



ANEXO 5. TABLAS DE ANALISIS DE LA CUBIERTA



Table: Base Reactions, Part 1 of 3

Table: Base Reactions, Part 1 of 3

OutputCase	CaseType	StepType	GlobalFX KN	GlobalFY KN	GlobalFZ KN	GlobalMX KN-m	GlobalMY KN-m	GlobalMZ KN-m
envolvente	Combination	Max	1.315E-14	1.202E-15	47.080	5.392E-06	72.5386	9.191E-07
envolvente	Combination	Min	-8.026	-6.766E-20	-10.978	-1.257E-06	-314.2902	-1.509E-16

Table: Base Reactions, Part 2 of 3

Table: Base Reactions, Part 2 of 3

OutputCase	StepType	GlobalX M	GlobalY m	GlobalZ m	XCentroidF X m	YCentroidF X m	ZCentroidF X m	XCentroidF Y m
envolvente	Max	0.00000	0.00000	0.00000	1.687E+16	-0.62748	233.78918	-114770849
envolvente	Min	0.00000	0.00000	0.00000	3.416E+15	-3.09917	47.33446	-361510813

Table: Base Reactions, Part 3 of 3

Table: Base Reactions, Part 3 of 3

OutputCase	StepType	YCentroidF Y M	ZCentroidF Y m	XCentroidF Z m	YCentroidF Z m	ZCentroidFZ m
envolvente	Max	4.787E-07	-1.590E-06	7.251E+15	4.123E-07	100.47219
envolvente	Min	1.935E-07	-5.009E-06	9.25069	-1.33189	1.282E-13

Table: Element Forces - Frames, Part 1 of 2

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
2	0.00000	Envolvente	Combination	Max	14.465	0.000	0.000	0.0000
2	1.00116	Envolvente	Combination	Max	14.465	0.000	0.000	0.0000
2	2.00231	Envolvente	Combination	Max	14.465	0.000	0.000	0.0000
2	0.00000	Envolvente	Combination	Min	-3.373	0.000	0.000	0.0000
2	1.00116	Envolvente	Combination	Min	-3.373	0.000	0.000	0.0000
2	2.00231	Envolvente	Combination	Min	-3.373	0.000	0.000	0.0000
3	0.00000	Envolvente	Combination	Max	15.141	0.059	2.504E-17	2.264E-19
3	0.90260	Envolvente	Combination	Max	15.141	0.059	2.504E-17	2.264E-19
3	0.90260	Envolvente	Combination	Max	15.105	0.263	4.877E-17	2.069E-19
3	0.92919	Envolvente	Combination	Max	15.105	0.263	4.877E-17	2.069E-19
3	1.85837	Envolvente	Combination	Max	15.105	0.263	4.877E-17	2.069E-19
3	0.00000	Envolvente	Combination	Min	-64.092	-0.258	-6.021E-18	-5.267E-20
3	0.90260	Envolvente	Combination	Min	-64.092	-0.258	-6.021E-18	-5.267E-20
3	0.90260	Envolvente	Combination	Min	-64.315	-0.060	-1.139E-17	-4.785E-20
3	0.92919	Envolvente	Combination	Min	-64.315	-0.060	-1.139E-17	-4.785E-20
3	1.85837	Envolvente	Combination	Min	-64.315	-0.060	-1.139E-17	-4.785E-20
4	0.00000	Envolvente	Combination	Max	2.152	0.000	0.000	0.0000
4	1.03089	Envolvente	Combination	Max	2.152	0.000	0.000	0.0000
4	2.06178	Envolvente	Combination	Max	2.152	0.000	0.000	0.0000
4	0.00000	Envolvente	Combination	Min	-9.468	0.000	0.000	0.0000
4	1.03089	Envolvente	Combination	Min	-9.468	0.000	0.000	0.0000



Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
4	2.06178	Envolvente	Combination	Min	-9.468	0.000	0.000	0.0000
5	0.00000	Envolvente	Combination	Max	7.444	0.000	0.000	1.275E-20
5	0.98423	Envolvente	Combination	Max	7.444	0.000	0.000	1.275E-20
5	1.96845	Envolvente	Combination	Max	7.444	0.000	0.000	1.275E-20
5	0.00000	Envolvente	Combination	Min	-1.692	0.000	0.000	0.0000
5	0.98423	Envolvente	Combination	Min	-1.692	0.000	0.000	0.0000
5	1.96845	Envolvente	Combination	Min	-1.692	0.000	0.000	0.0000
6	0.00000	Envolvente	Combination	Max	1.978	0.000	0.000	1.264E-20
6	0.69103	Envolvente	Combination	Max	1.978	0.000	0.000	1.264E-20
6	1.38207	Envolvente	Combination	Max	1.978	0.000	0.000	1.264E-20
6	0.00000	Envolvente	Combination	Min	-8.700	0.000	0.000	0.0000
6	0.69103	Envolvente	Combination	Min	-8.700	0.000	0.000	0.0000
6	1.38207	Envolvente	Combination	Min	-8.700	0.000	0.000	0.0000
7	0.00000	Envolvente	Combination	Max	5.859	0.000	0.000	0.0000
7	0.60572	Envolvente	Combination	Max	5.859	0.000	0.000	0.0000
7	1.21145	Envolvente	Combination	Max	5.859	0.000	0.000	0.0000
7	0.00000	Envolvente	Combination	Min	-1.332	0.000	0.000	-1.030E-20
7	0.60572	Envolvente	Combination	Min	-1.332	0.000	0.000	-1.030E-20
7	1.21145	Envolvente	Combination	Min	-1.332	0.000	0.000	-1.030E-20
8	0.00000	Envolvente	Combination	Max	1.732	0.000	0.000	1.395E-20
8	0.44872	Envolvente	Combination	Max	1.732	0.000	0.000	1.395E-20
8	0.89745	Envolvente	Combination	Max	1.732	0.000	0.000	1.395E-20
8	0.00000	Envolvente	Combination	Min	-7.623	0.000	0.000	0.0000
8	0.44872	envolvente	Combination	Min	-7.623	0.000	0.000	0.0000
8	0.89745	envolvente	Combination	Min	-7.623	0.000	0.000	0.0000
9	0.00000	envolvente	Combination	Max	6.992	0.000	0.000	2.052E-19
9	0.53083	envolvente	Combination	Max	6.992	0.000	0.000	2.052E-19
9	1.06166	envolvente	Combination	Max	6.992	0.000	0.000	2.052E-19
9	0.00000	envolvente	Combination	Min	-1.582	0.000	0.000	-4.771E-20
9	0.53083	envolvente	Combination	Min	-1.582	0.000	0.000	-4.771E-20
9	1.06166	envolvente	Combination	Min	-1.582	0.000	0.000	-4.771E-20
10	0.00000	envolvente	Combination	Max	-1.308	0.000	0.000	0.0000
10	0.13088	envolvente	Combination	Max	-1.308	0.000	0.000	0.0000
10	0.26176	envolvente	Combination	Max	-1.308	0.000	0.000	0.0000
10	0.00000	envolvente	Combination	Min	-3.876	0.000	0.000	0.0000
10	0.13088	envolvente	Combination	Min	-3.876	0.000	0.000	0.0000
10	0.26176	envolvente	Combination	Min	-3.876	0.000	0.000	0.0000
12	0.00000	envolvente	Combination	Max	12.255	7.776E-03	9.697E-18	0.0000
12	0.75093	envolvente	Combination	Max	12.255	7.776E-03	9.697E-18	0.0000
12	1.50185	envolvente	Combination	Max	12.255	7.776E-03	9.697E-18	0.0000
12	0.00000	envolvente	Combination	Min	-52.123	-0.034	-2.293E-18	0.0000
12	0.75093	envolvente	Combination	Min	-52.123	-0.034	-2.293E-18	0.0000
12	1.50185	envolvente	Combination	Min	-52.123	-0.034	-2.293E-18	0.0000
14	0.00000	envolvente	Combination	Max	2.152	0.000	0.000	0.0000
14	1.03089	envolvente	Combination	Max	2.152	0.000	0.000	0.0000
14	2.06178	envolvente	Combination	Max	2.152	0.000	0.000	0.0000
14	0.00000	envolvente	Combination	Min	-8.990	0.000	0.000	0.0000
14	1.03089	envolvente	Combination	Min	-8.990	0.000	0.000	0.0000
14	2.06178	envolvente	Combination	Min	-8.990	0.000	0.000	0.0000
15	0.00000	envolvente	Combination	Max	7.067	0.000	0.000	1.277E-20
15	0.98423	envolvente	Combination	Max	7.067	0.000	0.000	1.277E-20
15	1.96845	envolvente	Combination	Max	7.067	0.000	0.000	1.277E-20
15	0.00000	envolvente	Combination	Min	-1.692	0.000	0.000	0.0000
15	0.98423	envolvente	Combination	Min	-1.692	0.000	0.000	0.0000



Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
15	1.96845	envolvente	Combination	Min	-1.692	0.000	0.000	0.0000
16	0.00000	envolvente	Combination	Max	1.978	0.000	0.000	1.263E-20
16	0.69103	envolvente	Combination	Max	1.978	0.000	0.000	1.263E-20
16	1.38207	envolvente	Combination	Max	1.978	0.000	0.000	1.263E-20
16	0.00000	envolvente	Combination	Min	-8.262	0.000	0.000	0.0000
16	0.69103	envolvente	Combination	Min	-8.262	0.000	0.000	0.0000
16	1.38207	envolvente	Combination	Min	-8.262	0.000	0.000	0.0000
17	0.00000	envolvente	Combination	Max	5.570	0.000	0.000	0.0000
17	0.60572	envolvente	Combination	Max	5.570	0.000	0.000	0.0000
17	1.21145	envolvente	Combination	Max	5.570	0.000	0.000	0.0000
17	0.00000	envolvente	Combination	Min	-1.333	0.000	0.000	-1.062E-20
17	0.60572	envolvente	Combination	Min	-1.333	0.000	0.000	-1.062E-20
17	1.21145	envolvente	Combination	Min	-1.333	0.000	0.000	-1.062E-20
18	0.00000	envolvente	Combination	Max	1.732	0.000	0.000	1.319E-20
18	0.44872	envolvente	Combination	Max	1.732	0.000	0.000	1.319E-20
18	0.89745	envolvente	Combination	Max	1.732	0.000	0.000	1.319E-20
18	0.00000	envolvente	Combination	Min	-7.234	0.000	0.000	0.0000
18	0.44872	envolvente	Combination	Min	-7.234	0.000	0.000	0.0000
18	0.89745	envolvente	Combination	Min	-7.234	0.000	0.000	0.0000
19	0.00000	envolvente	Combination	Max	6.549	0.000	0.000	2.056E-19
19	0.53083	envolvente	Combination	Max	6.549	0.000	0.000	2.056E-19
19	1.06166	envolvente	Combination	Max	6.549	0.000	0.000	2.056E-19
19	0.00000	envolvente	Combination	Min	-1.579	0.000	0.000	-4.790E-20
19	0.53083	envolvente	Combination	Min	-1.579	0.000	0.000	-4.790E-20
19	1.06166	envolvente	Combination	Min	-1.579	0.000	0.000	-4.790E-20
20	0.00000	envolvente	Combination	Max	0.871	0.000	0.000	0.0000
20	0.13088	envolvente	Combination	Max	0.871	0.000	0.000	0.0000
20	0.26176	envolvente	Combination	Max	0.871	0.000	0.000	0.0000
20	0.00000	envolvente	Combination	Min	-3.623	0.000	0.000	0.0000
20	0.13088	envolvente	Combination	Min	-3.623	0.000	0.000	0.0000
20	0.26176	envolvente	Combination	Min	-3.623	0.000	0.000	0.0000
21	0.00000	envolvente	Combination	Max	9.959	8.969E-03	4.848E-18	2.974E-20
21	1.10130	envolvente	Combination	Max	9.959	8.969E-03	4.848E-18	2.974E-20
21	2.20260	envolvente	Combination	Max	9.959	8.969E-03	4.848E-18	2.974E-20
21	0.00000	envolvente	Combination	Min	-42.408	-2.059E-03	-1.136E-18	0.0000
21	1.10130	envolvente	Combination	Min	-42.408	-2.059E-03	-1.136E-18	0.0000
21	2.20260	envolvente	Combination	Min	-42.408	-2.059E-03	-1.136E-18	0.0000
22	0.00000	envolvente	Combination	Max	7.546	0.013	9.580E-18	0.0000
22	0.67076	envolvente	Combination	Max	7.546	0.013	9.580E-18	0.0000
22	1.34152	envolvente	Combination	Max	7.546	0.013	9.580E-18	0.0000
22	0.00000	envolvente	Combination	Min	-32.171	-3.015E-03	-2.247E-18	0.0000
22	0.67076	envolvente	Combination	Min	-32.171	-3.015E-03	-2.247E-18	0.0000
22	1.34152	envolvente	Combination	Min	-32.171	-3.015E-03	-2.247E-18	0.0000
23	0.00000	envolvente	Combination	Max	7.546	2.998E-03	9.681E-18	0.0000
23	0.67076	envolvente	Combination	Max	7.546	2.998E-03	9.681E-18	0.0000
23	1.34152	envolvente	Combination	Max	7.546	2.998E-03	9.681E-18	0.0000
23	0.00000	envolvente	Combination	Min	-32.552	-0.013	-2.246E-18	0.0000
23	0.67076	envolvente	Combination	Min	-32.552	-0.013	-2.246E-18	0.0000
23	1.34152	envolvente	Combination	Min	-32.552	-0.013	-2.246E-18	0.0000
24	0.00000	envolvente	Combination	Max	9.959	2.103E-03	4.916E-18	2.976E-20
24	1.10130	envolvente	Combination	Max	9.959	2.103E-03	4.916E-18	2.976E-20
24	2.20260	envolvente	Combination	Max	9.959	2.103E-03	4.916E-18	2.976E-20
24	0.00000	envolvente	Combination	Min	-43.015	-9.076E-03	-1.138E-18	0.0000
24	1.10130	envolvente	Combination	Min	-43.015	-9.076E-03	-1.138E-18	0.0000



Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
24	2.20260	envolvente	Combination	Min	-43.015	-9.076E-03	-1.138E-18	0.0000
25	0.00000	envolvente	Combination	Max	12.255	0.035	9.847E-18	0.0000
25	0.75093	envolvente	Combination	Max	12.255	0.035	9.847E-18	0.0000
25	1.50185	envolvente	Combination	Max	12.255	0.035	9.847E-18	0.0000
25	0.00000	envolvente	Combination	Min	-52.989	-8.049E-03	-2.279E-18	0.0000
25	0.75093	envolvente	Combination	Min	-52.989	-8.049E-03	-2.279E-18	0.0000
25	1.50185	envolvente	Combination	Min	-52.989	-8.049E-03	-2.279E-18	0.0000
26	0.00000	envolvente	Combination	Max	15.102	0.062	4.936E-17	2.067E-19
26	0.47789	envolvente	Combination	Max	15.102	0.062	4.936E-17	2.067E-19
26	0.95577	envolvente	Combination	Max	15.102	0.062	4.936E-17	2.067E-19
26	0.00000	envolvente	Combination	Min	-65.220	-0.265	-1.144E-17	-4.822E-20
26	0.47789	envolvente	Combination	Min	-65.220	-0.265	-1.144E-17	-4.822E-20
26	0.95577	envolvente	Combination	Min	-65.220	-0.265	-1.144E-17	-4.822E-20
27	0.00000	envolvente	Combination	Max	15.139	0.259	2.601E-17	2.273E-19
27	0.45130	envolvente	Combination	Max	15.139	0.259	2.601E-17	2.273E-19
27	0.90260	envolvente	Combination	Max	15.139	0.259	2.601E-17	2.273E-19
27	0.00000	envolvente	Combination	Min	-65.760	-0.060	-5.951E-18	-5.289E-20
27	0.45130	envolvente	Combination	Min	-65.760	-0.060	-5.951E-18	-5.289E-20
27	0.90260	envolvente	Combination	Min	-65.760	-0.060	-5.951E-18	-5.289E-20
28	0.00000	envolvente	Combination	Max	15.436	0.044	2.346E-18	1.937E-19
28	0.43191	envolvente	Combination	Max	15.436	0.044	2.346E-18	1.937E-19
28	0.86381	envolvente	Combination	Max	15.436	0.044	2.346E-18	1.937E-19
28	0.00000	envolvente	Combination	Min	-3.405	-0.184	-1.064E-17	-4.477E-20
28	0.43191	envolvente	Combination	Min	-3.405	-0.184	-1.064E-17	-4.477E-20
28	0.86381	envolvente	Combination	Min	-3.405	-0.184	-1.064E-17	-4.477E-20
29	0.00000	envolvente	Combination	Max	9.412	0.114	3.994E-19	1.645E-19
29	0.40808	envolvente	Combination	Max	9.412	0.114	3.994E-19	1.645E-19
29	0.81615	envolvente	Combination	Max	9.412	0.114	3.994E-19	1.645E-19
29	1.22423	envolvente	Combination	Max	9.412	0.114	3.994E-19	1.645E-19
29	1.63230	envolvente	Combination	Max	9.412	0.114	3.994E-19	1.645E-19
29	0.00000	envolvente	Combination	Min	-2.042	-0.027	-1.841E-18	-3.841E-20
29	0.40808	envolvente	Combination	Min	-2.042	-0.027	-1.841E-18	-3.841E-20
29	0.81615	envolvente	Combination	Min	-2.042	-0.027	-1.841E-18	-3.841E-20
29	1.22423	envolvente	Combination	Min	-2.042	-0.027	-1.841E-18	-3.841E-20
29	1.63230	envolvente	Combination	Min	-2.042	-0.027	-1.841E-18	-3.841E-20
30	0.00000	envolvente	Combination	Max	0.657	5.198E-03	7.680E-20	0.0000
30	0.42494	envolvente	Combination	Max	0.657	5.198E-03	7.680E-20	0.0000
30	0.84987	envolvente	Combination	Max	0.657	5.198E-03	7.680E-20	0.0000
30	1.27481	envolvente	Combination	Max	0.657	5.198E-03	7.680E-20	0.0000
30	1.69974	envolvente	Combination	Max	0.657	5.198E-03	7.680E-20	0.0000
30	0.00000	envolvente	Combination	Min	-0.426	-0.022	-1.185E-19	0.0000
30	0.42494	envolvente	Combination	Min	-0.426	-0.022	-1.185E-19	0.0000
30	0.84987	envolvente	Combination	Min	-0.426	-0.022	-1.185E-19	0.0000
30	1.27481	envolvente	Combination	Min	-0.426	-0.022	-1.185E-19	0.0000
30	1.69974	envolvente	Combination	Min	-0.426	-0.022	-1.185E-19	0.0000
31	0.00000	envolvente	Combination	Max	2.506	0.012	9.524E-19	1.278E-20
31	0.48236	envolvente	Combination	Max	2.506	0.012	9.524E-19	1.278E-20
31	0.96471	envolvente	Combination	Max	2.506	0.012	9.524E-19	1.278E-20
31	1.44707	envolvente	Combination	Max	2.506	0.012	9.524E-19	1.278E-20
31	1.92942	envolvente	Combination	Max	2.506	0.012	9.524E-19	1.278E-20
31	2.41178	envolvente	Combination	Max	2.506	0.012	9.524E-19	1.278E-20
31	0.00000	envolvente	Combination	Min	-10.599	-2.698E-03	-2.252E-19	0.0000
31	0.48236	envolvente	Combination	Min	-10.599	-2.698E-03	-2.252E-19	0.0000
31	0.96471	envolvente	Combination	Min	-10.599	-2.698E-03	-2.252E-19	0.0000



Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
31	1.44707	envolvente	Combination	Min	-10.599	-2.698E-03	-2.252E-19	0.0000
31	1.92942	envolvente	Combination	Min	-10.599	-2.698E-03	-2.252E-19	0.0000
31	2.41178	envolvente	Combination	Min	-10.599	-2.698E-03	-2.252E-19	0.0000
32	0.00000	envolvente	Combination	Max	2.506	2.696E-03	9.792E-19	1.280E-20
32	0.48236	envolvente	Combination	Max	2.506	2.696E-03	9.792E-19	1.280E-20
32	0.96471	envolvente	Combination	Max	2.506	2.696E-03	9.792E-19	1.280E-20
32	1.44707	envolvente	Combination	Max	2.506	2.696E-03	9.792E-19	1.280E-20
32	1.92942	envolvente	Combination	Max	2.506	2.696E-03	9.792E-19	1.280E-20
32	2.41178	envolvente	Combination	Max	2.506	2.696E-03	9.792E-19	1.280E-20
32	0.00000	envolvente	Combination	Min	-10.897	-0.012	-2.252E-19	0.0000
32	0.48236	envolvente	Combination	Min	-10.897	-0.012	-2.252E-19	0.0000
32	0.96471	envolvente	Combination	Min	-10.897	-0.012	-2.252E-19	0.0000
32	1.44707	envolvente	Combination	Min	-10.897	-0.012	-2.252E-19	0.0000
32	1.92942	envolvente	Combination	Min	-10.897	-0.012	-2.252E-19	0.0000
32	2.41178	envolvente	Combination	Min	-10.897	-0.012	-2.252E-19	0.0000
33	0.00000	envolvente	Combination	Max	0.134	0.022	1.789E-19	0.0000
33	0.42494	envolvente	Combination	Max	0.134	0.022	1.789E-19	0.0000
33	0.84987	envolvente	Combination	Max	0.134	0.022	1.789E-19	0.0000
33	1.27481	envolvente	Combination	Max	0.134	0.022	1.789E-19	0.0000
33	1.69974	envolvente	Combination	Max	0.134	0.022	1.789E-19	0.0000
33	0.00000	envolvente	Combination	Min	-0.991	-5.179E-03	-2.427E-20	0.0000
33	0.42494	envolvente	Combination	Min	-0.991	-5.179E-03	-2.427E-20	0.0000
33	0.84987	envolvente	Combination	Min	-0.991	-5.179E-03	-2.427E-20	0.0000
33	1.27481	envolvente	Combination	Min	-0.991	-5.179E-03	-2.427E-20	0.0000
33	1.69974	envolvente	Combination	Min	-0.991	-5.179E-03	-2.427E-20	0.0000
34	0.00000	envolvente	Combination	Max	8.105	0.027	3.995E-19	1.643E-19
34	0.40808	envolvente	Combination	Max	8.105	0.027	3.995E-19	1.643E-19
34	0.81615	envolvente	Combination	Max	8.105	0.027	3.995E-19	1.643E-19
34	1.22423	envolvente	Combination	Max	8.105	0.027	3.995E-19	1.643E-19
34	1.63230	envolvente	Combination	Max	8.105	0.027	3.995E-19	1.643E-19
34	0.00000	envolvente	Combination	Min	-2.042	-0.114	-1.586E-18	-3.833E-20
34	0.40808	envolvente	Combination	Min	-2.042	-0.114	-1.586E-18	-3.833E-20
34	0.81615	envolvente	Combination	Min	-2.042	-0.114	-1.586E-18	-3.833E-20
34	1.22423	envolvente	Combination	Min	-2.042	-0.114	-1.586E-18	-3.833E-20
34	1.63230	envolvente	Combination	Min	-2.042	-0.114	-1.586E-18	-3.833E-20
35	0.00000	envolvente	Combination	Max	13.748	0.184	2.345E-18	1.938E-19
35	0.43191	envolvente	Combination	Max	13.748	0.184	2.345E-18	1.938E-19
35	0.86381	envolvente	Combination	Max	13.748	0.184	2.345E-18	1.938E-19
35	0.00000	envolvente	Combination	Min	-3.402	-0.043	-9.474E-18	-4.518E-20
35	0.43191	envolvente	Combination	Min	-3.402	-0.043	-9.474E-18	-4.518E-20
35	0.86381	envolvente	Combination	Min	-3.402	-0.043	-9.474E-18	-4.518E-20

Table: Element Forces - Frames, Part 2 of 2

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
2	0.00000	envolvente	Max	0.0000	0.0000	2-1	0.00000
2	1.00116	envolvente	Max	0.0000	0.0000	2-1	1.00116
2	2.00231	envolvente	Max	0.0000	0.0000	2-1	2.00231
2	0.00000	envolvente	Min	0.0000	0.0000	2-1	0.00000
2	1.00116	envolvente	Min	0.0000	0.0000	2-1	1.00116



Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
2	2.00231	envolvente	Min	0.0000	0.0000	2-1	2.00231
3	0.00000	envolvente	Max	1.703E-17	0.0016	3-1	0.00000
3	0.90260	envolvente	Max	1.383E-18	0.2240	3-1	0.90260
3	0.90260	envolvente	Max	2.855E-17	0.2240	3-2	0.00000
3	0.92919	envolvente	Max	2.725E-17	0.2170	3-2	0.02659
3	1.85837	envolvente	Max	4.229E-18	0.0061	3-2	0.95577
3	0.00000	envolvente	Min	-4.051E-18	-0.0088	3-1	0.00000
3	0.90260	envolvente	Min	-5.568E-18	-0.0516	3-1	0.90260
3	0.90260	envolvente	Min	-6.653E-18	-0.0516	3-2	0.00000
3	0.92919	envolvente	Min	-6.350E-18	-0.0500	3-2	0.02659
3	1.85837	envolvente	Min	-1.807E-17	-0.0273	3-2	0.95577
4	0.00000	envolvente	Max	0.0000	0.0000	4-1	0.00000
4	1.03089	envolvente	Max	0.0000	0.0000	4-1	1.03089
4	2.06178	envolvente	Max	0.0000	0.0000	4-1	2.06178
4	0.00000	envolvente	Min	0.0000	0.0000	4-1	0.00000
4	1.03089	envolvente	Min	0.0000	0.0000	4-1	1.03089
4	2.06178	envolvente	Min	0.0000	0.0000	4-1	2.06178
5	0.00000	envolvente	Max	0.0000	0.0000	5-1	0.00000
5	0.98423	envolvente	Max	0.0000	0.0000	5-1	0.98423
5	1.96845	envolvente	Max	0.0000	0.0000	5-1	1.96845
5	0.00000	envolvente	Min	0.0000	0.0000	5-1	0.00000
5	0.98423	envolvente	Min	0.0000	0.0000	5-1	0.98423
5	1.96845	envolvente	Min	0.0000	0.0000	5-1	1.96845
6	0.00000	envolvente	Max	0.0000	0.0000	6-1	0.00000
6	0.69103	envolvente	Max	0.0000	0.0000	6-1	0.69103
6	1.38207	envolvente	Max	0.0000	0.0000	6-1	1.38207
6	0.00000	envolvente	Min	0.0000	0.0000	6-1	0.00000
6	0.69103	envolvente	Min	0.0000	0.0000	6-1	0.69103
6	1.38207	envolvente	Min	0.0000	0.0000	6-1	1.38207
7	0.00000	envolvente	Max	0.0000	0.0000	7-1	0.00000
7	0.60572	envolvente	Max	0.0000	0.0000	7-1	0.60572
7	1.21145	envolvente	Max	0.0000	0.0000	7-1	1.21145
7	0.00000	envolvente	Min	0.0000	0.0000	7-1	0.00000
7	0.60572	envolvente	Min	0.0000	0.0000	7-1	0.60572
7	1.21145	envolvente	Min	0.0000	0.0000	7-1	1.21145
8	0.00000	envolvente	Max	0.0000	0.0000	8-1	0.00000
8	0.44872	envolvente	Max	0.0000	0.0000	8-1	0.44872
8	0.89745	envolvente	Max	0.0000	0.0000	8-1	0.89745
8	0.00000	envolvente	Min	0.0000	0.0000	8-1	0.00000
8	0.44872	envolvente	Min	0.0000	0.0000	8-1	0.44872
8	0.89745	envolvente	Min	0.0000	0.0000	8-1	0.89745
9	0.00000	envolvente	Max	0.0000	0.0000	9-1	0.00000
9	0.53083	envolvente	Max	0.0000	0.0000	9-1	0.53083
9	1.06166	envolvente	Max	0.0000	0.0000	9-1	1.06166
9	0.00000	envolvente	Min	0.0000	0.0000	9-1	0.00000
9	0.53083	envolvente	Min	0.0000	0.0000	9-1	0.53083
9	1.06166	envolvente	Min	0.0000	0.0000	9-1	1.06166
10	0.00000	envolvente	Max	0.0000	0.0000	10-1	0.00000
10	0.13088	envolvente	Max	0.0000	0.0000	10-1	0.13088
10	0.26176	envolvente	Max	0.0000	0.0000	10-1	0.26176
10	0.00000	envolvente	Min	0.0000	0.0000	10-1	0.00000



Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
10	0.13088	envolvente	Min	0.0000	0.0000	10-1	0.13088
10	0.26176	envolvente	Min	0.0000	0.0000	10-1	0.26176
12	0.00000	envolvente	Max	7.195E-18	0.0061	12-1	0.00000
12	0.75093	envolvente	Max	1.597E-20	2.997E-04	12-1	0.75093
12	1.50185	envolvente	Max	1.738E-18	0.0240	12-1	1.50185
12	0.00000	envolvente	Min	-1.706E-18	-0.0273	12-1	0.00000
12	0.75093	envolvente	Min	-8.630E-20	-0.0016	12-1	0.75093
12	1.50185	envolvente	Min	-7.368E-18	-0.0055	12-1	1.50185
14	0.00000	envolvente	Max	0.0000	0.0000	14-1	0.00000
14	1.03089	envolvente	Max	0.0000	0.0000	14-1	1.03089
14	2.06178	envolvente	Max	0.0000	0.0000	14-1	2.06178
14	0.00000	envolvente	Min	0.0000	0.0000	14-1	0.00000
14	1.03089	envolvente	Min	0.0000	0.0000	14-1	1.03089
14	2.06178	envolvente	Min	0.0000	0.0000	14-1	2.06178
15	0.00000	envolvente	Max	0.0000	0.0000	15-1	0.00000
15	0.98423	envolvente	Max	0.0000	0.0000	15-1	0.98423
15	1.96845	envolvente	Max	0.0000	0.0000	15-1	1.96845
15	0.00000	envolvente	Min	0.0000	0.0000	15-1	0.00000
15	0.98423	envolvente	Min	0.0000	0.0000	15-1	0.98423
15	1.96845	envolvente	Min	0.0000	0.0000	15-1	1.96845
16	0.00000	envolvente	Max	0.0000	0.0000	16-1	0.00000
16	0.69103	envolvente	Max	0.0000	0.0000	16-1	0.69103
16	1.38207	envolvente	Max	0.0000	0.0000	16-1	1.38207
16	0.00000	envolvente	Min	0.0000	0.0000	16-1	0.00000
16	0.69103	envolvente	Min	0.0000	0.0000	16-1	0.69103
16	1.38207	envolvente	Min	0.0000	0.0000	16-1	1.38207
17	0.00000	envolvente	Max	0.0000	0.0000	17-1	0.00000
17	0.60572	envolvente	Max	0.0000	0.0000	17-1	0.60572
17	1.21145	envolvente	Max	0.0000	0.0000	17-1	1.21145
17	0.00000	envolvente	Min	0.0000	0.0000	17-1	0.00000
17	0.60572	envolvente	Min	0.0000	0.0000	17-1	0.60572
17	1.21145	envolvente	Min	0.0000	0.0000	17-1	1.21145
18	0.00000	envolvente	Max	0.0000	0.0000	18-1	0.00000
18	0.44872	envolvente	Max	0.0000	0.0000	18-1	0.44872
18	0.89745	envolvente	Max	0.0000	0.0000	18-1	0.89745
18	0.00000	envolvente	Min	0.0000	0.0000	18-1	0.00000
18	0.44872	envolvente	Min	0.0000	0.0000	18-1	0.44872
18	0.89745	envolvente	Min	0.0000	0.0000	18-1	0.89745
19	0.00000	envolvente	Max	0.0000	0.0000	19-1	0.00000
19	0.53083	envolvente	Max	0.0000	0.0000	19-1	0.53083
19	1.06166	envolvente	Max	0.0000	0.0000	19-1	1.06166
19	0.00000	envolvente	Min	0.0000	0.0000	19-1	0.00000
19	0.53083	envolvente	Min	0.0000	0.0000	19-1	0.53083
19	1.06166	envolvente	Min	0.0000	0.0000	19-1	1.06166
20	0.00000	envolvente	Max	0.0000	0.0000	20-1	0.00000
20	0.13088	envolvente	Max	0.0000	0.0000	20-1	0.13088
20	0.26176	envolvente	Max	0.0000	0.0000	20-1	0.26176
20	0.00000	envolvente	Min	0.0000	0.0000	20-1	0.00000
20	0.13088	envolvente	Min	0.0000	0.0000	20-1	0.13088
20	0.26176	envolvente	Min	0.0000	0.0000	20-1	0.26176
21	0.00000	envolvente	Max	6.092E-18	0.0240	21-1	0.00000



Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
21	1.10130	envolvente	Max	7.531E-19	0.0141	21-1	1.10130
21	2.20260	envolvente	Max	1.077E-18	0.0043	21-1	2.20260
21	0.00000	envolvente	Min	-1.425E-18	-0.0055	21-1	0.00000
21	1.10130	envolvente	Min	-1.743E-19	-0.0033	21-1	1.10130
21	2.20260	envolvente	Min	-4.586E-18	-0.0010	21-1	2.20260
22	0.00000	envolvente	Max	6.192E-18	0.0043	22-1	0.00000
22	0.67076	envolvente	Max	5.422E-20	0.0010	22-1	0.67076
22	1.34152	envolvente	Max	1.561E-18	0.0030	22-1	1.34152
22	0.00000	envolvente	Min	-1.453E-18	-0.0010	22-1	0.00000
22	0.67076	envolvente	Min	-2.332E-19	-0.0044	22-1	0.67076
22	1.34152	envolvente	Min	-6.659E-18	-0.0130	22-1	1.34152
23	0.00000	envolvente	Max	6.729E-18	0.0030	23-1	0.00000
23	0.67076	envolvente	Max	2.360E-19	0.0010	23-1	0.67076
23	1.34152	envolvente	Max	1.452E-18	0.0042	23-1	1.34152
23	0.00000	envolvente	Min	-1.561E-18	-0.0130	23-1	0.00000
23	0.67076	envolvente	Min	-5.484E-20	-0.0044	23-1	0.67076
23	1.34152	envolvente	Min	-6.257E-18	-9.817E-04	23-1	1.34152
24	0.00000	envolvente	Max	4.661E-18	0.0042	24-1	0.00000
24	1.10130	envolvente	Max	1.757E-19	0.0141	24-1	1.10130
24	2.20260	envolvente	Max	1.429E-18	0.0241	24-1	2.20260
24	0.00000	envolvente	Min	-1.078E-18	-9.817E-04	24-1	0.00000
24	1.10130	envolvente	Min	-7.536E-19	-0.0033	24-1	1.10130
24	2.20260	envolvente	Min	-6.168E-18	-0.0056	24-1	2.20260
25	0.00000	envolvente	Max	7.505E-18	0.0241	25-1	0.00000
25	0.75093	envolvente	Max	1.104E-19	4.307E-04	25-1	0.75093
25	1.50185	envolvente	Max	1.688E-18	0.0065	25-1	1.50185
25	0.00000	envolvente	Min	-1.734E-18	-0.0056	25-1	0.00000
25	0.75093	envolvente	Min	-2.294E-20	-0.0021	25-1	0.75093
25	1.50185	envolvente	Min	-7.284E-18	-0.0283	25-1	1.50185
26	0.00000	envolvente	Max	1.835E-17	0.0065	26-1	0.00000
26	0.47789	envolvente	Max	1.221E-18	0.0982	26-1	0.47789
26	0.95577	envolvente	Max	6.689E-18	0.2248	26-1	0.95577
26	0.00000	envolvente	Min	-4.246E-18	-0.0283	26-1	0.00000
26	0.47789	envolvente	Min	-5.234E-18	-0.0229	26-1	0.47789
26	0.95577	envolvente	Min	-2.882E-17	-0.0523	26-1	0.95577
27	0.00000	envolvente	Max	5.981E-18	0.2248	27-1	0.00000
27	0.45130	envolvente	Max	1.339E-18	0.1080	27-1	0.45130
27	0.90260	envolvente	Max	4.025E-18	0.0020	27-1	0.90260
27	0.00000	envolvente	Min	-1.346E-18	-0.0523	27-1	0.00000
27	0.45130	envolvente	Min	-5.756E-18	-0.0251	27-1	0.45130
27	0.90260	envolvente	Min	-1.749E-17	-0.0087	27-1	0.90260
28	0.00000	envolvente	Max	1.013E-18	0.0088	28-1	0.00000
28	0.43191	envolvente	Max	0.0000	0.0881	28-1	0.43191
28	0.86381	envolvente	Max	4.594E-18	0.1675	28-1	0.86381
28	0.00000	envolvente	Min	-4.594E-18	-0.0016	28-1	0.00000
28	0.43191	envolvente	Min	0.0000	-0.0204	28-1	0.43191
28	0.86381	envolvente	Min	-1.013E-18	-0.0392	28-1	0.86381
29	0.00000	envolvente	Max	3.259E-19	0.1675	29-1	0.00000
29	0.40808	envolvente	Max	1.630E-19	0.1212	29-1	0.40808
29	0.81615	envolvente	Max	0.0000	0.0748	29-1	0.81615
29	1.22423	envolvente	Max	7.513E-19	0.0285	29-1	1.22423



Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
29	1.63230	envolvente	Max	1.503E-18	0.0042	29-1	1.63230
29	0.00000	envolvente	Min	-1.503E-18	-0.0392	29-1	0.00000
29	0.40808	envolvente	Min	-7.513E-19	-0.0283	29-1	0.40808
29	0.81615	envolvente	Min	0.0000	-0.0175	29-1	0.81615
29	1.22423	envolvente	Min	-1.630E-19	-0.0066	29-1	1.22423
29	1.63230	envolvente	Min	-3.259E-19	-0.0178	29-1	1.63230
30	0.00000	envolvente	Max	6.527E-20	0.0042	30-1	0.00000
30	0.42494	envolvente	Max	3.263E-20	0.0020	30-1	0.42494
30	0.84987	envolvente	Max	0.0000	9.691E-04	30-1	0.84987
30	1.27481	envolvente	Max	5.036E-20	0.0104	30-1	1.27481
30	1.69974	envolvente	Max	1.007E-19	0.0197	30-1	1.69974
30	0.00000	envolvente	Min	-1.007E-19	-0.0178	30-1	0.00000
30	0.42494	envolvente	Min	-5.036E-20	-0.0084	30-1	0.42494
30	0.84987	envolvente	Min	0.0000	-1.953E-04	30-1	0.84987
30	1.27481	envolvente	Min	-3.263E-20	-0.0024	30-1	1.27481
30	1.69974	envolvente	Min	-6.527E-20	-0.0046	30-1	1.69974
31	0.00000	envolvente	Max	1.149E-18	0.0197	31-1	0.00000
31	0.48236	envolvente	Max	6.891E-19	0.0142	31-1	0.48236
31	0.96471	envolvente	Max	2.297E-19	0.0086	31-1	0.96471
31	1.44707	envolvente	Max	5.432E-20	0.0030	31-1	1.44707
31	1.92942	envolvente	Max	1.629E-19	5.932E-04	31-1	1.92942
31	2.41178	envolvente	Max	2.716E-19	0.0019	31-1	2.41178
31	0.00000	envolvente	Min	-2.716E-19	-0.0046	31-1	0.00000
31	0.48236	envolvente	Min	-1.629E-19	-0.0033	31-1	0.48236
31	0.96471	envolvente	Min	-5.432E-20	-0.0020	31-1	0.96471
31	1.44707	envolvente	Min	-2.297E-19	-7.084E-04	31-1	1.44707
31	1.92942	envolvente	Min	-6.891E-19	-0.0025	31-1	1.92942
31	2.41178	envolvente	Min	-1.149E-18	-0.0081	31-1	2.41178
32	0.00000	envolvente	Max	1.181E-18	0.0019	32-1	0.00000
32	0.48236	envolvente	Max	7.085E-19	5.943E-04	32-1	0.48236
32	0.96471	envolvente	Max	2.362E-19	0.0030	32-1	0.96471
32	1.44707	envolvente	Max	5.432E-20	0.0086	32-1	1.44707
32	1.92942	envolvente	Max	1.629E-19	0.0142	32-1	1.92942
32	2.41178	envolvente	Max	2.716E-19	0.0198	32-1	2.41178
32	0.00000	envolvente	Min	-2.716E-19	-0.0081	32-1	0.00000
32	0.48236	envolvente	Min	-1.629E-19	-0.0025	32-1	0.48236
32	0.96471	envolvente	Min	-5.432E-20	-7.062E-04	32-1	0.96471
32	1.44707	envolvente	Min	-2.362E-19	-0.0020	32-1	1.44707
32	1.92942	envolvente	Min	-7.085E-19	-0.0033	32-1	1.92942
32	2.41178	envolvente	Min	-1.181E-18	-0.0046	32-1	2.41178
33	0.00000	envolvente	Max	1.520E-19	0.0198	33-1	0.00000
33	0.42494	envolvente	Max	7.601E-20	0.0103	33-1	0.42494
33	0.84987	envolvente	Max	0.0000	7.963E-04	33-1	0.84987
33	1.27481	envolvente	Max	1.031E-20	0.0020	33-1	1.27481
33	1.69974	envolvente	Max	2.062E-20	0.0042	33-1	1.69974
33	0.00000	envolvente	Min	-2.062E-20	-0.0046	33-1	0.00000
33	0.42494	envolvente	Min	-1.031E-20	-0.0024	33-1	0.42494
33	0.84987	envolvente	Min	0.0000	-2.060E-04	33-1	0.84987
33	1.27481	envolvente	Min	-7.601E-20	-0.0087	33-1	1.27481
33	1.69974	envolvente	Min	-1.520E-19	-0.0182	33-1	1.69974
34	0.00000	envolvente	Max	3.260E-19	0.0042	34-1	0.00000



Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
34	0.40808	envolvente	Max	1.630E-19	0.0283	34-1	0.40808
34	0.81615	envolvente	Max	0.0000	0.0747	34-1	0.81615
34	1.22423	envolvente	Max	6.470E-19	0.1212	34-1	1.22423
34	1.63230	envolvente	Max	1.294E-18	0.1677	34-1	1.63230
34	0.00000	envolvente	Min	-1.294E-18	-0.0182	34-1	0.00000
34	0.40808	envolvente	Min	-6.470E-19	-0.0066	34-1	0.40808
34	0.81615	envolvente	Min	0.0000	-0.0174	34-1	0.81615
34	1.22423	envolvente	Min	-1.630E-19	-0.0283	34-1	1.22423
34	1.63230	envolvente	Min	-3.260E-19	-0.0391	34-1	1.63230
35	0.00000	envolvente	Max	1.013E-18	0.1677	35-1	0.00000
35	0.43191	envolvente	Max	0.0000	0.0882	35-1	0.43191
35	0.86381	envolvente	Max	4.092E-18	0.0087	35-1	0.86381
35	0.00000	envolvente	Min	-4.092E-18	-0.0391	35-1	0.00000
35	0.43191	envolvente	Min	0.0000	-0.0206	35-1	0.43191
35	0.86381	envolvente	Min	-1.013E-18	-0.0020	35-1	0.86381

Table: Element Joint Forces - Frames, Part 1 of 2

Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
2	2	envolvente	Combination	Max	4.107E-13	0.000	3.373	0.0000
2	3	envolvente	Combination	Max	9.576E-14	0.000	14.465	0.0000
2	2	envolvente	Combination	Min	-9.576E-14	0.000	-14.465	0.0000
2	3	envolvente	Combination	Min	-4.107E-13	0.000	-3.373	0.0000
3	1	envolvente	Combination	Max	61.263	2.653E-15	18.834	1.512E-18
3	10	envolvente	Combination	Max	14.473	1.123E-14	4.447	9.836E-18
3	1	envolvente	Combination	Min	-14.473	-1.123E-14	-4.447	-6.765E-18
3	10	envolvente	Combination	Min	-61.263	-2.653E-15	-18.834	-4.254E-17
3	10	envolvente	Combination	Max	61.628	2.647E-15	18.400	3.267E-17
3	8	envolvente	Combination	Max	14.473	1.127E-14	4.323	5.303E-20
3	10	envolvente	Combination	Min	-14.473	-1.127E-14	-4.323	-7.510E-18
3	8	envolvente	Combination	Min	-61.628	-2.647E-15	-18.400	-1.006E-19
4	2	envolvente	Combination	Max	1.340	1.083E-15	7.408	0.0000
4	4	envolvente	Combination	Max	5.896	2.461E-16	1.684	0.0000
4	2	envolvente	Combination	Min	-5.896	-2.461E-16	-1.684	0.0000
4	4	envolvente	Combination	Min	-1.340	-1.083E-15	-7.408	0.0000
5	4	envolvente	Combination	Max	4.265	1.781E-16	6.101	0.0000
5	5	envolvente	Combination	Max	0.969	7.835E-16	1.387	0.0000
5	4	envolvente	Combination	Min	-0.969	-7.835E-16	-1.387	0.0000
5	5	envolvente	Combination	Min	-4.265	-1.781E-16	-6.101	0.0000
6	5	envolvente	Combination	Max	1.402	1.133E-15	6.134	0.0000
6	6	envolvente	Combination	Max	6.169	2.576E-16	1.395	0.0000
6	5	envolvente	Combination	Min	-6.169	-2.576E-16	-1.395	0.0000
6	6	envolvente	Combination	Min	-1.402	-1.133E-15	-6.134	0.0000
7	6	envolvente	Combination	Max	3.481	1.454E-16	4.713	0.0000
7	7	envolvente	Combination	Max	0.791	6.394E-16	1.072	0.0000
7	6	envolvente	Combination	Min	-0.791	-6.394E-16	-1.072	0.0000
7	7	envolvente	Combination	Min	-3.481	-1.454E-16	-4.713	0.0000



Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
8	7	envolvente	Combination	Max	1.385	1.120E-15	4.578	1.116E-20
8	8	envolvente	Combination	Max	6.095	2.543E-16	1.040	0.0000
8	7	envolvente	Combination	Min	-6.095	-2.543E-16	-1.040	0.0000
8	8	envolvente	Combination	Min	-1.385	-1.120E-15	-4.578	-1.116E-20
9	8	envolvente	Combination	Max	6.024	2.504E-16	3.549	1.768E-19
9	9	envolvente	Combination	Max	1.363	1.107E-15	0.803	4.110E-20
9	8	envolvente	Combination	Min	-1.363	-1.107E-15	-0.803	-4.110E-20
9	9	envolvente	Combination	Min	-6.024	-2.504E-16	-3.549	-1.768E-19
10	9	envolvente	Combination	Max	0.000	0.000	3.876	0.0000
10	10	envolvente	Combination	Max	0.000	0.000	-1.308	0.0000
10	9	envolvente	Combination	Min	0.000	0.000	1.308	0.0000
10	10	envolvente	Combination	Min	0.000	0.000	-3.876	0.0000
12	8	envolvente	Combination	Max	49.873	2.152E-15	15.149	1.622E-18
12	6	envolvente	Combination	Max	11.726	9.152E-15	3.561	1.522E-18
12	8	envolvente	Combination	Min	-11.726	-9.152E-15	-3.561	-7.090E-18
12	6	envolvente	Combination	Min	-49.873	-2.152E-15	-15.149	-6.551E-18
14	2	envolvente	Combination	Max	5.598	2.461E-16	7.034	0.0000
14	12	envolvente	Combination	Max	1.340	1.028E-15	1.684	0.0000
14	2	envolvente	Combination	Min	-1.340	-1.028E-15	-1.684	0.0000
14	12	envolvente	Combination	Min	-5.598	-2.461E-16	-7.034	0.0000
15	12	envolvente	Combination	Max	0.969	7.438E-16	5.792	0.0000
15	13	envolvente	Combination	Max	4.049	1.781E-16	1.387	0.0000
15	12	envolvente	Combination	Min	-4.049	-1.781E-16	-1.387	0.0000
15	13	envolvente	Combination	Min	-0.969	-7.438E-16	-5.792	0.0000
16	13	envolvente	Combination	Max	5.859	2.576E-16	5.826	0.0000
16	14	envolvente	Combination	Max	1.402	1.076E-15	1.394	0.0000
16	13	envolvente	Combination	Min	-1.402	-1.076E-15	-1.394	0.0000
16	14	envolvente	Combination	Min	-5.859	-2.576E-16	-5.826	0.0000
17	14	envolvente	Combination	Max	0.792	6.079E-16	4.481	0.0000
17	15	envolvente	Combination	Max	3.309	1.454E-16	1.072	0.0000
17	14	envolvente	Combination	Min	-3.309	-1.454E-16	-1.072	0.0000
17	15	envolvente	Combination	Min	-0.792	-6.079E-16	-4.481	0.0000
18	15	envolvente	Combination	Max	5.785	2.544E-16	4.344	0.0000
18	16	envolvente	Combination	Max	1.385	1.063E-15	1.040	1.055E-20
18	15	envolvente	Combination	Min	-1.385	-1.063E-15	-1.040	-1.055E-20
18	16	envolvente	Combination	Min	-5.785	-2.544E-16	-4.344	0.0000
19	16	envolvente	Combination	Max	1.360	1.036E-15	3.325	4.126E-20
19	17	envolvente	Combination	Max	5.643	2.498E-16	0.801	1.771E-19
19	16	envolvente	Combination	Min	-5.643	-2.498E-16	-0.801	-1.771E-19
19	17	envolvente	Combination	Min	-1.360	-1.036E-15	-3.325	-4.126E-20
20	17	envolvente	Combination	Max	0.000	0.000	3.623	0.0000
20	18	envolvente	Combination	Max	0.000	0.000	0.871	0.0000
20	17	envolvente	Combination	Min	0.000	0.000	-0.871	0.0000
20	18	envolvente	Combination	Min	0.000	0.000	-3.623	0.0000
21	6	envolvente	Combination	Max	40.588	1.750E-15	12.290	2.616E-18
21	4	envolvente	Combination	Max	9.532	7.451E-15	2.886	4.903E-19
21	6	envolvente	Combination	Min	-9.532	-7.451E-15	-2.886	-5.975E-19
21	4	envolvente	Combination	Min	-40.588	-1.750E-15	-12.290	-2.084E-18
22	4	envolvente	Combination	Max	30.792	1.324E-15	9.317	2.347E-19
22	3	envolvente	Combination	Max	7.222	5.647E-15	2.185	4.504E-19
22	4	envolvente	Combination	Min	-7.222	-5.647E-15	-2.185	-1.005E-18
22	3	envolvente	Combination	Min	-30.792	-1.324E-15	-9.317	-1.037E-19
23	3	envolvente	Combination	Max	31.157	1.324E-15	2.185	1.037E-19
23	12	envolvente	Combination	Max	7.222	5.714E-15	9.428	1.043E-18



Table: Element Joint Forces - Frames, Part 1 of 2

Frame	Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m
23	3	envolvente	Combination	Min	-7.222	-5.714E-15	-9.428	-4.297E-19
23	12	envolvente	Combination	Min	-31.157	-1.324E-15	-2.185	-2.386E-19
24	12	envolvente	Combination	Max	41.169	1.750E-15	2.886	2.086E-18
24	14	envolvente	Combination	Max	9.532	7.557E-15	12.466	6.100E-19
24	12	envolvente	Combination	Min	-9.532	-7.557E-15	-12.466	-4.863E-19
24	14	envolvente	Combination	Min	-41.169	-1.750E-15	-2.886	-2.617E-18
25	14	envolvente	Combination	Max	50.702	2.152E-15	3.562	6.615E-18
25	16	envolvente	Combination	Max	11.726	9.304E-15	15.401	7.304E-18
25	14	envolvente	Combination	Min	-11.726	-9.304E-15	-15.401	-1.535E-18
25	16	envolvente	Combination	Min	-50.702	-2.152E-15	-3.562	-1.678E-18
26	16	envolvente	Combination	Max	62.494	2.647E-15	4.321	0.0000
26	18	envolvente	Combination	Max	14.471	1.143E-14	18.661	7.625E-18
26	16	envolvente	Combination	Min	-14.471	-1.143E-14	-18.661	-1.109E-19
26	18	envolvente	Combination	Min	-62.494	-2.647E-15	-4.321	-3.273E-17
27	18	envolvente	Combination	Max	62.859	2.652E-15	4.448	4.281E-17
27	11	envolvente	Combination	Max	14.471	1.152E-14	19.318	6.886E-18
27	18	envolvente	Combination	Min	-14.471	-1.152E-14	-19.318	-9.951E-18
27	11	envolvente	Combination	Min	-62.859	-2.652E-15	-4.448	-1.592E-18
28	1	envolvente	Combination	Max	3.405	2.825E-15	0.184	1.415E-18
28	9	envolvente	Combination	Max	15.436	6.231E-16	0.044	7.151E-18
28	1	envolvente	Combination	Min	-15.436	-6.231E-16	-0.044	-2.425E-19
28	9	envolvente	Combination	Min	-3.405	-2.825E-15	-0.184	-3.057E-17
29	9	envolvente	Combination	Max	2.042	1.727E-15	0.027	3.060E-17
29	7	envolvente	Combination	Max	9.412	3.746E-16	0.114	3.436E-18
29	9	envolvente	Combination	Min	-9.412	-3.746E-16	-0.114	-7.157E-18
29	7	envolvente	Combination	Min	-2.042	-1.727E-15	-0.027	-8.141E-19
30	7	envolvente	Combination	Max	0.426	1.205E-16	0.022	7.761E-19
30	5	envolvente	Combination	Max	0.657	7.809E-17	5.198E-03	8.470E-19
30	7	envolvente	Combination	Min	-0.657	-7.809E-17	-5.198E-03	-3.273E-18
30	5	envolvente	Combination	Min	-0.426	-1.205E-16	-0.022	-3.625E-18
31	5	envolvente	Combination	Max	10.599	4.602E-16	2.698E-03	3.614E-18
31	2	envolvente	Combination	Max	2.506	1.946E-15	0.012	1.504E-18
31	5	envolvente	Combination	Min	-2.506	-1.946E-15	-0.012	-8.444E-19
31	2	envolvente	Combination	Min	-10.599	-4.602E-16	-2.698E-03	-3.510E-19
32	2	envolvente	Combination	Max	10.897	4.602E-16	0.012	3.510E-19
32	13	envolvente	Combination	Max	2.506	2.001E-15	2.696E-03	8.434E-19
32	2	envolvente	Combination	Min	-2.506	-2.001E-15	-2.696E-03	-1.504E-18
32	13	envolvente	Combination	Min	-10.897	-4.602E-16	-0.012	-3.619E-18
33	13	envolvente	Combination	Max	0.991	2.467E-17	5.179E-03	3.630E-18
33	15	envolvente	Combination	Max	0.134	1.819E-16	0.022	3.341E-18
33	13	envolvente	Combination	Min	-0.134	-1.819E-16	-0.022	-8.459E-19
33	15	envolvente	Combination	Min	-0.991	-2.467E-17	-5.179E-03	-7.711E-19
34	15	envolvente	Combination	Max	2.042	1.487E-15	0.114	8.090E-19
34	17	envolvente	Combination	Max	8.105	3.747E-16	0.027	7.139E-18
34	15	envolvente	Combination	Min	-8.105	-3.747E-16	-0.027	-3.503E-18
34	17	envolvente	Combination	Min	-2.042	-1.487E-15	-0.114	-3.063E-17
35	17	envolvente	Combination	Max	3.402	2.516E-15	0.043	3.060E-17
35	11	envolvente	Combination	Max	13.748	6.226E-16	0.184	3.284E-19
35	17	envolvente	Combination	Min	-13.748	-6.226E-16	-0.184	-7.132E-18
35	11	envolvente	Combination	Min	-3.402	-2.516E-15	-0.043	-1.402E-18



Table: Element Joint Forces - Frames, Part 2 of 2

Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
2	2	envolvente	Max	0.0000	0.0000	2-1
2	3	envolvente	Max	0.0000	0.0000	2-1
2	2	envolvente	Min	0.0000	0.0000	2-1
2	3	envolvente	Min	0.0000	0.0000	2-1
3	1	envolvente	Max	0.0016	1.624E-17	3-1
3	10	envolvente	Max	0.0516	5.394E-18	3-1
3	1	envolvente	Min	-0.0088	-3.861E-18	3-1
3	10	envolvente	Min	-0.2240	-1.339E-18	3-1
3	10	envolvente	Max	0.2240	2.726E-17	3-2
3	8	envolvente	Max	0.0273	1.735E-17	3-2
3	10	envolvente	Min	-0.0516	-6.353E-18	3-2
3	8	envolvente	Min	-0.0061	-4.061E-18	3-2
4	2	envolvente	Max	0.0000	0.0000	4-1
4	4	envolvente	Max	0.0000	0.0000	4-1
4	2	envolvente	Min	0.0000	0.0000	4-1
4	4	envolvente	Min	0.0000	0.0000	4-1
5	4	envolvente	Max	0.0000	1.045E-20	5-1
5	5	envolvente	Max	0.0000	0.0000	5-1
5	4	envolvente	Min	0.0000	0.0000	5-1
5	5	envolvente	Min	0.0000	-1.045E-20	5-1
6	5	envolvente	Max	0.0000	0.0000	6-1
6	6	envolvente	Max	0.0000	0.0000	6-1
6	5	envolvente	Min	0.0000	0.0000	6-1
6	6	envolvente	Min	0.0000	0.0000	6-1
7	6	envolvente	Max	0.0000	0.0000	7-1
7	7	envolvente	Max	0.0000	0.0000	7-1
7	6	envolvente	Min	0.0000	0.0000	7-1
7	7	envolvente	Min	0.0000	0.0000	7-1
8	7	envolvente	Max	0.0000	0.0000	8-1
8	8	envolvente	Max	0.0000	0.0000	8-1
8	7	envolvente	Min	0.0000	0.0000	8-1
8	8	envolvente	Min	0.0000	0.0000	8-1
9	8	envolvente	Max	0.0000	1.042E-19	9-1
9	9	envolvente	Max	0.0000	2.422E-20	9-1
9	8	envolvente	Min	0.0000	-2.422E-20	9-1
9	9	envolvente	Min	0.0000	-1.042E-19	9-1
10	9	envolvente	Max	0.0000	0.0000	10-1
10	10	envolvente	Max	0.0000	0.0000	10-1
10	9	envolvente	Min	0.0000	0.0000	10-1
10	10	envolvente	Min	0.0000	0.0000	10-1
12	8	envolvente	Max	0.0061	6.887E-18	12-1
12	6	envolvente	Max	0.0055	7.050E-18	12-1
12	8	envolvente	Min	-0.0273	-1.633E-18	12-1
12	6	envolvente	Min	-0.0240	-1.663E-18	12-1
14	2	envolvente	Max	0.0000	0.0000	14-1
14	12	envolvente	Max	0.0000	0.0000	14-1
14	2	envolvente	Min	0.0000	0.0000	14-1
14	12	envolvente	Min	0.0000	0.0000	14-1
15	12	envolvente	Max	0.0000	1.046E-20	15-1
15	13	envolvente	Max	0.0000	0.0000	15-1



Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
15	12	envolvente	Min	0.0000	0.0000	15-1
15	13	envolvente	Min	0.0000	-1.046E-20	15-1
16	13	envolvente	Max	0.0000	0.0000	16-1
16	14	envolvente	Max	0.0000	0.0000	16-1
16	13	envolvente	Min	0.0000	0.0000	16-1
16	14	envolvente	Min	0.0000	0.0000	16-1
17	14	envolvente	Max	0.0000	0.0000	17-1
17	15	envolvente	Max	0.0000	0.0000	17-1
17	14	envolvente	Min	0.0000	0.0000	17-1
17	15	envolvente	Min	0.0000	0.0000	17-1
18	15	envolvente	Max	0.0000	0.0000	18-1
18	16	envolvente	Max	0.0000	0.0000	18-1
18	15	envolvente	Min	0.0000	0.0000	18-1
18	16	envolvente	Min	0.0000	0.0000	18-1
19	16	envolvente	Max	0.0000	1.044E-19	19-1
19	17	envolvente	Max	0.0000	2.431E-20	19-1
19	16	envolvente	Min	0.0000	-2.431E-20	19-1
19	17	envolvente	Min	0.0000	-1.044E-19	19-1
20	17	envolvente	Max	0.0000	0.0000	20-1
20	18	envolvente	Max	0.0000	0.0000	20-1
20	17	envolvente	Min	0.0000	0.0000	20-1
20	18	envolvente	Min	0.0000	0.0000	20-1
21	6	envolvente	Max	0.0240	5.822E-18	21-1
21	4	envolvente	Max	0.0010	4.398E-18	21-1
21	6	envolvente	Min	-0.0055	-1.362E-18	21-1
21	4	envolvente	Min	-0.0043	-1.033E-18	21-1
22	4	envolvente	Max	0.0043	5.929E-18	22-1
22	3	envolvente	Max	0.0130	6.370E-18	22-1
22	4	envolvente	Min	-0.0010	-1.391E-18	22-1
22	3	envolvente	Min	-0.0030	-1.494E-18	22-1
23	3	envolvente	Max	0.0030	6.438E-18	23-1
23	12	envolvente	Max	9.817E-04	5.991E-18	23-1
23	3	envolvente	Min	-0.0130	-1.494E-18	23-1
23	12	envolvente	Min	-0.0042	-1.390E-18	23-1
24	12	envolvente	Max	0.0042	4.469E-18	24-1
24	14	envolvente	Max	0.0056	5.894E-18	24-1
24	12	envolvente	Min	-9.817E-04	-1.034E-18	24-1
24	14	envolvente	Min	-0.0241	-1.366E-18	24-1
25	14	envolvente	Max	0.0241	7.181E-18	25-1
25	16	envolvente	Max	0.0283	6.972E-18	25-1
25	14	envolvente	Min	-0.0056	-1.659E-18	25-1
25	16	envolvente	Min	-0.0065	-1.616E-18	25-1
26	16	envolvente	Max	0.0065	1.763E-17	26-1
26	18	envolvente	Max	0.0523	2.752E-17	26-1
26	16	envolvente	Min	-0.0283	-4.078E-18	26-1
26	18	envolvente	Min	-0.2248	-6.387E-18	26-1
27	18	envolvente	Max	0.2248	5.789E-18	27-1
27	11	envolvente	Max	0.0087	1.667E-17	27-1
27	18	envolvente	Min	-0.0523	-1.304E-18	27-1
27	11	envolvente	Min	-0.0020	-3.837E-18	27-1
28	1	envolvente	Max	0.0088	1.013E-18	28-1



Table: Element Joint Forces - Frames, Part 2 of 2

Frame	Joint	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem
28	9	envolvente	Max	0.0392	1.013E-18	28-1
28	1	envolvente	Min	-0.0016	-4.594E-18	28-1
28	9	envolvente	Min	-0.1675	-4.594E-18	28-1
29	9	envolvente	Max	0.1675	3.259E-19	29-1
29	7	envolvente	Max	0.0178	3.259E-19	29-1
29	9	envolvente	Min	-0.0392	-1.503E-18	29-1
29	7	envolvente	Min	-0.0042	-1.503E-18	29-1
30	7	envolvente	Max	0.0042	6.527E-20	30-1
30	5	envolvente	Max	0.0046	6.527E-20	30-1
30	7	envolvente	Min	-0.0178	-1.007E-19	30-1
30	5	envolvente	Min	-0.0197	-1.007E-19	30-1
31	5	envolvente	Max	0.0197	1.149E-18	31-1
31	2	envolvente	Max	0.0081	1.149E-18	31-1
31	5	envolvente	Min	-0.0046	-2.716E-19	31-1
31	2	envolvente	Min	-0.0019	-2.716E-19	31-1
32	2	envolvente	Max	0.0019	1.181E-18	32-1
32	13	envolvente	Max	0.0046	1.181E-18	32-1
32	2	envolvente	Min	-0.0081	-2.716E-19	32-1
32	13	envolvente	Min	-0.0198	-2.716E-19	32-1
33	13	envolvente	Max	0.0198	1.520E-19	33-1
33	15	envolvente	Max	0.0182	1.520E-19	33-1
33	13	envolvente	Min	-0.0046	-2.062E-20	33-1
33	15	envolvente	Min	-0.0042	-2.062E-20	33-1
34	15	envolvente	Max	0.0042	3.260E-19	34-1
34	17	envolvente	Max	0.0391	3.260E-19	34-1
34	15	envolvente	Min	-0.0182	-1.294E-18	34-1
34	17	envolvente	Min	-0.1677	-1.294E-18	34-1
35	17	envolvente	Max	0.1677	1.013E-18	35-1
35	11	envolvente	Max	0.0020	1.013E-18	35-1
35	17	envolvente	Min	-0.0391	-4.092E-18	35-1
35	11	envolvente	Min	-0.0087	-4.092E-18	35-1

Table: Joint Displacements, Part 1 of 2

Table: Joint Displacements, Part 1 of 2

Joint	OutputCase	CaseType	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
1	envolvente	Combination	Max	0.000000	0.000000	0.000000	0.000000	0.009847
1	envolvente	Combination	Min	0.000000	0.000000	0.000000	0.000000	-0.002290
2	envolvente	Combination	Max	0.000062	0.000000	0.003039	0.000000	6.647E-08
2	envolvente	Combination	Min	-5.176E-09	0.000000	-0.013032	0.000000	-7.635E-06
3	envolvente	Combination	Max	0.000063	0.000000	0.002965	0.000000	1.322E-07
3	envolvente	Combination	Min	3.893E-17	0.000000	-0.012715	0.000000	-0.000011
4	envolvente	Combination	Max	0.000573	0.000000	0.003000	0.000000	0.000063
4	envolvente	Combination	Min	-0.000126	0.000000	-0.012874	0.000000	-0.000276
5	envolvente	Combination	Max	0.000311	0.000000	0.003003	0.000000	0.000642
5	envolvente	Combination	Min	-0.000066	0.000000	-0.012887	0.000000	-0.000151
6	envolvente	Combination	Max	0.001377	0.000000	0.002795	0.000000	0.001158
6	envolvente	Combination	Min	-0.000315	0.000000	-0.012001	0.000000	-0.000269
7	envolvente	Combination	Max	0.000314	0.000000	0.002635	0.000000	0.000718



Table: Joint Displacements, Part 1 of 2

Joint	OutputCase	CaseType	StepType	U1	U2	U3	R1	R2
				m	m	m	Radians	Radians
7	envolvente	Combination	Min	-0.000069	0.000000	-0.011313	0.000000	-0.000166
8	envolvente	Combination	Max	0.001588	0.000000	0.002268	0.000000	0.001046
8	envolvente	Combination	Min	-0.000366	0.000000	-0.009742	0.000000	-0.000248
9	envolvente	Combination	Max	0.000146	0.000000	0.001738	0.000000	0.006342
9	envolvente	Combination	Min	-0.000032	0.000000	-0.007455	0.000000	-0.001480
10	envolvente	Combination	Max	0.001601	0.000000	0.001734	0.000000	0.005375
10	envolvente	Combination	Min	-0.000369	0.000000	-0.007466	0.000000	-0.001249
11	envolvente	Combination	Max	0.000000	0.000000	0.000000	0.000000	0.002295
11	envolvente	Combination	Min	0.000000	0.000000	0.000000	0.000000	-0.009837
12	envolvente	Combination	Max	0.000126	0.000000	0.003000	0.000000	0.000268
12	envolvente	Combination	Min	-0.000512	0.000000	-0.012860	0.000000	-0.000063
13	envolvente	Combination	Max	0.000066	0.000000	0.003003	0.000000	0.000151
13	envolvente	Combination	Min	-0.000256	0.000000	-0.012867	0.000000	-0.000651
14	envolvente	Combination	Max	0.000315	0.000000	0.002795	0.000000	0.000271
14	envolvente	Combination	Min	-0.001325	0.000000	-0.011969	0.000000	-0.001166
15	envolvente	Combination	Max	0.000069	0.000000	0.002635	0.000000	0.000167
15	envolvente	Combination	Min	-0.000275	0.000000	-0.011285	0.000000	-0.000713
16	envolvente	Combination	Max	0.000366	0.000000	0.002267	0.000000	0.000241
16	envolvente	Combination	Min	-0.001550	0.000000	-0.009706	0.000000	-0.001023
17	envolvente	Combination	Max	0.000032	0.000000	0.001737	0.000000	0.001477
17	envolvente	Combination	Min	-0.000130	0.000000	-0.007447	0.000000	-0.006330
18	envolvente	Combination	Max	0.000371	0.000000	0.001740	0.000000	0.001250
18	envolvente	Combination	Min	-0.001581	0.000000	-0.007457	0.000000	-0.005347

Table: Joint Displacements, Part 2 of 2

Table: Joint Displacements, Part 2 of 2

Joint	OutputCase	StepType	R3
			Radians
1	envolvente	Max	0.000000
1	envolvente	Min	0.000000
2	envolvente	Max	0.000000
2	envolvente	Min	0.000000
3	envolvente	Max	0.000000
3	envolvente	Min	0.000000
4	envolvente	Max	0.000000
4	envolvente	Min	0.000000
5	envolvente	Max	0.000000
5	envolvente	Min	0.000000
6	envolvente	Max	0.000000
6	envolvente	Min	0.000000
7	envolvente	Max	0.000000
7	envolvente	Min	0.000000
8	envolvente	Max	0.000000
8	envolvente	Min	0.000000
9	envolvente	Max	0.000000
9	envolvente	Min	0.000000
10	envolvente	Max	0.000000
10	envolvente	Min	0.000000
11	envolvente	Max	0.000000
11	envolvente	Min	0.000000



Table: Joint Displacements, Part 2 of 2

Joint	OutputCase	StepType	R3 Radians
12	envolvente	Max	0.000000
12	envolvente	Min	0.000000
13	envolvente	Max	0.000000
13	envolvente	Min	0.000000
14	envolvente	Max	0.000000
14	envolvente	Min	0.000000
15	envolvente	Max	0.000000
15	envolvente	Min	0.000000
16	envolvente	Max	0.000000
16	envolvente	Min	0.000000
17	envolvente	Max	0.000000
17	envolvente	Min	0.000000
18	envolvente	Max	0.000000
18	envolvente	Min	0.000000

Table: Joint Reactions, Part 1 of 2

Table: Joint Reactions, Part 1 of 2

Joint	OutputCase	CaseType	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
1	envolvente	Combination	Max	45.462	2.030E-15	23.298	0.0000	0.0000
1	envolvente	Combination	Min	-11.069	-8.404E-15	-5.489	0.0000	0.0000
11	envolvente	Combination	Max	11.069	9.005E-15	23.782	0.0000	0.0000
11	envolvente	Combination	Min	-49.475	-2.030E-15	-5.489	0.0000	0.0000

Table: Joint Reactions, Part 2 of 2

Table: Joint Reactions, Part 2 of 2

Joint	OutputCase	StepType	M3 KN-m
1	envolvente	Max	0.0000
1	envolvente	Min	0.0000
11	envolvente	Max	0.0000
11	envolvente	Min	0.0000