

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
R1a	DEAD	LinStatic			0	47,925	815,169	0	0	0
R1a	MODAL	LinModal	Mode	1	0	-104,248	19,381	0	0	0
R1a	MODAL	LinModal	Mode	2	0	326,313	128,557	0	0	0
R1a	MODAL	LinModal	Mode	3	0	11591,597	141,367	0	0	0
R1a	MODAL	LinModal	Mode	4	0	-1389,104	-1219,063	0	0	0
R1a	MODAL	LinModal	Mode	5	0	-35,955	-7155,633	0	0	0
R1a	MODAL	LinModal	Mode	6	0	154,691	-5011,487	0	0	0
R1a	MODAL	LinModal	Mode	7	0	14648,237	1901,595	0	0	0
R1a	MODAL	LinModal	Mode	8	0	-112,008	8565,916	0	0	0
R1a	MODAL	LinModal	Mode	9	0	3726,773	-7359,242	0	0	0
R1a	MODAL	LinModal	Mode	10	0	-4,962	1184,786	0	0	0
R1a	MODAL	LinModal	Mode	11	0	-1022,294	3936,642	0	0	0
R1a	MODAL	LinModal	Mode	12	0	12954,687	-272,022	0	0	0
R1a	Pre esforco	LinStatic			0	-783,144	120,126	0	0	0
R1a	Sobrecarga Uniforme	LinMoving	Max		0	40,202	172,266	0	0	0
R1a	Sobrecarga Uniforme	LinMoving	Min		0	-33,731	-23,201	0	0	0
R1a	Sobrecarga Linear	LinMoving	Max		0	21,696	278,881	0	0	0
R1a	Sobrecarga Linear	LinMoving	Min		0	-14,839	-18,585	0	0	0
R1a	VT	LinMoving	Max		0	56,864	505,719	0	0	0
R1a	VT	LinMoving	Min		0	-37,959	-64,055	0	0	0
R1a	RCP	LinStatic			0	9,555	120,549	0	0	0
R1a	VDT+10	LinStatic			0	2,237	167,781	0	0	0
R1a	VDT-5	LinStatic			0	-1,118	-83,89	0	0	0
R1a	Sismo 1	LinRespSpec	Max		0	2165,251	36,959	0	0	0
R1a	Sismo 2	LinRespSpec	Max		0	1358,403	25,336	0	0	0
R1a	SC D Passeio	LinMoving	Max		0	14,545	36,62	0	0	0
R1a	SC D Passeio	LinMoving	Min		0	-12,356	-12,627	0	0	0
R1a	SC P Passeio	LinMoving	Max		0	2,745	24,142	0	0	0
R1a	SC P Passeio	LinMoving	Min		0	-1,758	-5,278	0	0	0
R1a	VUT	LinStatic			0	-490,273	2,979	0	0	0
R1a	Retracao	LinStatic			0	-644,641	0,2	0	0	0
R1a	VUT-	LinStatic			0	490,273	-2,979	0	0	0
R1a	Mqp Descompressão	Combination	Max		0	-718,282	1084,699	0	0	0
R1a	Mqp Descompressão	Combination	Min		0	-746,763	900,762	0	0	0
R1a	Mfreq SC	Combination	Max		0	-1486,138	1309,559	0	0	0
R1a	Mfreq SC	Combination	Min		0	-1542,092	1006,148	0	0	0
R1a	Mfreq temperaturas	Combination	Max		0	-1599,034	1242,567	0	0	0
R1a	Mfreq temperaturas	Combination	Min		0	-1628,186	1002,777	0	0	0
R1a	Comb Fundamental	Combination	Max		0	-764,062	2313,458	0	0	0
R1a	Comb Fundamental	Combination	Min		0	-973,135	1232,294	0	0	0
R1a	Comb Fund. SC Esf Trans	Combination	Max		0	-1910,138	2460,29	0	0	0
R1a	Comb Fund. SC Esf Trans	Combination	Min		0	-2354,155	1343,088	0	0	0
R1a	Comb Fund Sismo 1	Combination	Max		0	898,274	1083,763	0	0	0

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
R1a	Comb Fund Sismo 1	Combination	Min		0	-2994,243	1028,125	0	0	0
R1a	Comb Fund Sismo 2	Combination	Max		0	293,138	1075,046	0	0	0
R1a	Comb Fund Sismo 2	Combination	Min		0	-2389,107	1036,842	0	0	0
R1a	Comb fund Temp esf trans	Combination	Max		0	-2248,826	2243,157	0	0	0
R1a	Comb fund Temp esf trans	Combination	Min		0	-2612,434	1341,653	0	0	0
R1a	comb rara	Combination	Max		0	-754,735	1527,017	0	0	0
R1a	comb rara	Combination	Min		0	-893,782	831,408	0	0	0
R1a	comb deformação	Combination	Max		0	-1423,112	1228,85	0	0	0
R1a	comb deformação	Combination	Min		0	-1686,536	1008,875	0	0	0
R1b	DEAD	LinStatic			0	-122,458	873,979	0	0	0
R1b	MODAL	LinModal	Mode	1	0	186,718	228,866	0	0	0
R1b	MODAL	LinModal	Mode	2	0	-885,695	-1882,51	0	0	0
R1b	MODAL	LinModal	Mode	3	0	-19938,082	-574,084	0	0	0
R1b	MODAL	LinModal	Mode	4	0	2193,935	-2171,276	0	0	0
R1b	MODAL	LinModal	Mode	5	0	-28,689	-5291,274	0	0	0
R1b	MODAL	LinModal	Mode	6	0	-258,777	-5214,614	0	0	0
R1b	MODAL	LinModal	Mode	7	0	-44571,182	-3506,752	0	0	0
R1b	MODAL	LinModal	Mode	8	0	-325,2	-11929,182	0	0	0
R1b	MODAL	LinModal	Mode	9	0	-11542,443	13991,303	0	0	0
R1b	MODAL	LinModal	Mode	10	0	-193,853	-7807,983	0	0	0
R1b	MODAL	LinModal	Mode	11	0	3181,181	-1811,908	0	0	0
R1b	MODAL	LinModal	Mode	12	0	-76469,714	292,241	0	0	0
R1b	Pre esforco	LinStatic			0	1003,694	-32,639	0	0	0
R1b	Sobrecarga Uniforme	LinMoving	Max		0	61,19	293,196	0	0	0
R1b	Sobrecarga Uniforme	LinMoving	Min		0	-75,626	-83,228	0	0	0
R1b	Sobrecarga Linear	LinMoving	Max		0	32,099	203,188	0	0	0
R1b	Sobrecarga Linear	LinMoving	Min		0	-42,842	-50,404	0	0	0
R1b	VT	LinMoving	Max		0	79,682	508,748	0	0	0
R1b	VT	LinMoving	Min		0	-112,706	-96,566	0	0	0
R1b	RCP	LinStatic			0	-24,438	128,076	0	0	0
R1b	VDT+10	LinStatic			0	-7,997	0,006235	0	0	0
R1b	VDT-5	LinStatic			0	3,998	-0,003117	0	0	0
R1b	Sismo 1	LinRespSpec	Max		0	3741,389	198,562	0	0	0
R1b	Sismo 2	LinRespSpec	Max		0	2346,087	182,697	0	0	0
R1b	SC D Passeio	LinMoving	Max		0	21,031	47,615	0	0	0
R1b	SC D Passeio	LinMoving	Min		0	-27,45	-27,397	0	0	0
R1b	SC P Passeio	LinMoving	Max		0	3,414	26,926	0	0	0
R1b	SC P Passeio	LinMoving	Min		0	-5,502	-7,728	0	0	0
R1b	VUT	LinStatic			0	602,899	8,762	0	0	0
R1b	Retracao	LinStatic			0	782,85	-17,206	0	0	0
R1b	VUT-	LinStatic			0	-602,899	-8,762	0	0	0
R1b	Mqp Descompressão	Combination	Max		0	840,887	1096,28	0	0	0
R1b	Mqp Descompressão	Combination	Min		0	785,241	955,272	0	0	0
R1b	Mfreq SC	Combination	Max		0	1867,445	1172,441	0	0	0
R1b	Mfreq SC	Combination	Min		0	1759,751	890,427	0	0	0

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
R1b	Mfreq temperaturas	Combination	Max		0	1965,961	1065,395	0	0	0
R1b	Mfreq temperaturas	Combination	Min		0	1907,915	924,384	0	0	0
R1b	Comb Fundamental	Combination	Max		0	1129,011	2293,279	0	0	0
R1b	Comb Fundamental	Combination	Min		0	727,856	1235,729	0	0	0
R1b	Comb Fund. SC Esf Trans	Combination	Max		0	2876,053	2271,79	0	0	0
R1b	Comb Fund. SC Esf Trans	Combination	Min		0	2173,79	1204,448	0	0	0
R1b	Comb Fund Sismo 1	Combination	Max		0	4445,69	1118,338	0	0	0
R1b	Comb Fund Sismo 1	Combination	Min		0	-1949,245	803,289	0	0	0
R1b	Comb Fund Sismo 2	Combination	Max		0	3399,213	1106,439	0	0	0
R1b	Comb Fund Sismo 2	Combination	Min		0	-902,768	815,188	0	0	0
R1b	Comb fund Temp esf trans	Combination	Max		0	3171,598	1950,651	0	0	0
R1b	Comb fund Temp esf trans	Combination	Min		0	2618,282	1306,32	0	0	0
R1b	comb rara	Combination	Max		0	1053,723	1533,233	0	0	0
R1b	comb rara	Combination	Min		0	787,487	828,201	0	0	0
R1b	comb deformação	Combination	Max		0	2045,32	1066,905	0	0	0
R1b	comb deformação	Combination	Min		0	1688,565	916,105	0	0	0
R2a	DEAD	LinStatic			0	122,458	873,984	0	0	0
R2a	MODAL	LinModal	Mode	1	0	186,717	-228,805	0	0	0
R2a	MODAL	LinModal	Mode	2	0	795,151	-1877,231	0	0	0
R2a	MODAL	LinModal	Mode	3	0	-19943,364	582,692	0	0	0
R2a	MODAL	LinModal	Mode	4	0	2192,231	2168,635	0	0	0
R2a	MODAL	LinModal	Mode	5	0	-23,325	-4262,566	0	0	0
R2a	MODAL	LinModal	Mode	6	0	-268,814	6100,705	0	0	0
R2a	MODAL	LinModal	Mode	7	0	44530,337	-3550,805	0	0	0
R2a	MODAL	LinModal	Mode	8	0	96,934	12023,535	0	0	0
R2a	MODAL	LinModal	Mode	9	0	11534,283	13738,313	0	0	0
R2a	MODAL	LinModal	Mode	10	0	-375,521	7671,085	0	0	0
R2a	MODAL	LinModal	Mode	11	0	-3164,167	-2173,213	0	0	0
R2a	MODAL	LinModal	Mode	12	0	-76415,637	-285,628	0	0	0
R2a	Pre esforco	LinStatic			0	-1003,693	-32,645	0	0	0
R2a	Sobrecarga Uniforme	LinMoving	Max		0	75,611	293,149	0	0	0
R2a	Sobrecarga Uniforme	LinMoving	Min		0	-61,195	-83,195	0	0	0
R2a	Sobrecarga Linear	LinMoving	Max		0	42,842	203,188	0	0	0
R2a	Sobrecarga Linear	LinMoving	Min		0	-32,1	-50,404	0	0	0
R2a	VT	LinMoving	Max		0	112,708	508,518	0	0	0
R2a	VT	LinMoving	Min		0	-79,682	-96,564	0	0	0
R2a	RCP	LinStatic			0	24,438	128,077	0	0	0
R2a	VDT+10	LinStatic			0	7,997	0,006324	0	0	0
R2a	VDT-5	LinStatic			0	-3,999	-0,003162	0	0	0
R2a	Sismo 1	LinRespSpec	Max		0	3741,617	198,525	0	0	0
R2a	Sismo 2	LinRespSpec	Max		0	2346,231	182,655	0	0	0

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
R2a	SC D Passeio	LinMoving	Max		0	27,446	47,621	0	0	0
R2a	SC D Passeio	LinMoving	Min		0	-21,032	-27,408	0	0	0
R2a	SC P Passeio	LinMoving	Max		0	5,502	26,926	0	0	0
R2a	SC P Passeio	LinMoving	Min		0	-3,414	-7,714	0	0	0
R2a	VUT	LinStatic			0	-602,899	8,762	0	0	0
R2a	Retraçao	LinStatic			0	-782,85	-17,206	0	0	0
R2a	VUT-	LinStatic			0	602,899	-8,762	0	0	0
R2a	Mqp Descompressão	Combination	Max		0	-785,245	1096,278	0	0	0
R2a	Mqp Descompressão	Combination	Min		0	-840,889	955,282	0	0	0
R2a	Mfreq SC	Combination	Max		0	-1759,758	1172,424	0	0	0
R2a	Mfreq SC	Combination	Min		0	-1867,447	890,436	0	0	0
R2a	Mfreq temperaturas	Combination	Max		0	-1907,918	1065,387	0	0	0
R2a	Mfreq temperaturas	Combination	Min		0	-1965,961	924,389	0	0	0
R2a	Comb Fundamental	Combination	Max		0	-727,885	2293,225	0	0	0
R2a	Comb Fundamental	Combination	Min		0	-1129,02	1235,772	0	0	0
R2a	Comb Fund. SC Esf Trans	Combination	Max		0	-2173,817	2271,73	0	0	0
R2a	Comb Fund. SC Esf Trans	Combination	Min		0	-2876,061	1204,484	0	0	0
R2a	Comb Fund Sismo 1	Combination	Max		0	1949,416	1118,31	0	0	0
R2a	Comb Fund Sismo 1	Combination	Min		0	-4445,86	803,318	0	0	0
R2a	Comb Fund Sismo 2	Combination	Max		0	902,876	1106,408	0	0	0
R2a	Comb Fund Sismo 2	Combination	Min		0	-3399,321	815,22	0	0	0
R2a	Comb fund Temp esf trans	Combination	Max		0	-2618,298	1950,617	0	0	0
R2a	Comb fund Temp esf trans	Combination	Min		0	-3171,603	1306,343	0	0	0
R2a	comb rara	Combination	Max		0	-787,506	1533,197	0	0	0
R2a	comb rara	Combination	Min		0	-1053,73	828,229	0	0	0
R2a	comb deformação	Combination	Max		0	-1688,569	1066,897	0	0	0
R2a	comb deformação	Combination	Min		0	-2045,32	916,109	0	0	0
R2b	DEAD	LinStatic			0	-47,924	815,166	0	0	0
R2b	MODAL	LinModal	Mode	1	0	-104,252	-19,371	0	0	0
R2b	MODAL	LinModal	Mode	2	0	-273,754	128,477	0	0	0
R2b	MODAL	LinModal	Mode	3	0	11595,237	-142,075	0	0	0
R2b	MODAL	LinModal	Mode	4	0	-1388,932	1214,33	0	0	0
R2b	MODAL	LinModal	Mode	5	0	66,369	-6130,166	0	0	0
R2b	MODAL	LinModal	Mode	6	0	148,503	6262,783	0	0	0
R2b	MODAL	LinModal	Mode	7	0	-14638,13	1952,758	0	0	0
R2b	MODAL	LinModal	Mode	8	0	-249,951	-8687,819	0	0	0
R2b	MODAL	LinModal	Mode	9	0	-3722,51	-7241,725	0	0	0
R2b	MODAL	LinModal	Mode	10	0	53,579	-975,632	0	0	0
R2b	MODAL	LinModal	Mode	11	0	1020,411	3976,191	0	0	0
R2b	MODAL	LinModal	Mode	12	0	12952,894	271,999	0	0	0

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
R2b	Pre esforco	LinStatic			0	783,143	120,129	0	0	0
R2b	Sobrecarga Uniforme	LinMoving	Max		0	33,733	172,383	0	0	0
R2b	Sobrecarga Uniforme	LinMoving	Min		0	-40,193	-23,183	0	0	0
R2b	Sobrecarga Linear	LinMoving	Max		0	14,839	278,881	0	0	0
R2b	Sobrecarga Linear	LinMoving	Min		0	-21,696	-18,585	0	0	0
R2b	VT	LinMoving	Max		0	37,959	505,719	0	0	0
R2b	VT	LinMoving	Min		0	-56,865	-64,054	0	0	0
R2b	RCP	LinStatic			0	-9,555	120,549	0	0	0
R2b	VDT+10	LinStatic			0	-2,237	167,78	0	0	0
R2b	VDT-5	LinStatic			0	1,118	-83,89	0	0	0
R2b	Sismo 1	LinRespSpec	Max		0	2165,67	36,977	0	0	0
R2b	Sismo 2	LinRespSpec	Max		0	1358,665	25,344	0	0	0
R2b	SC D Passeio	LinMoving	Max		0	12,357	36,639	0	0	0
R2b	SC D Passeio	LinMoving	Min		0	-14,544	-12,618	0	0	0
R2b	SC P Passeio	LinMoving	Max		0	1,758	24,138	0	0	0
R2b	SC P Passeio	LinMoving	Min		0	-2,745	-5,278	0	0	0
R2b	VUT	LinStatic			0	490,273	2,979	0	0	0
R2b	Retracao	LinStatic			0	644,641	0,2	0	0	0
R2b	VUT-	LinStatic			0	-490,273	-2,979	0	0	0
R2b	Mqp Descompressão	Combination	Max		0	746,764	1084,724	0	0	0
R2b	Mqp Descompressão	Combination	Min		0	718,286	900,764	0	0	0
R2b	Mfreq SC	Combination	Max		0	1542,094	1309,559	0	0	0
R2b	Mfreq SC	Combination	Min		0	1486,142	1006,148	0	0	0
R2b	Mfreq temperaturas	Combination	Max		0	1628,186	1242,567	0	0	0
R2b	Mfreq temperaturas	Combination	Min		0	1599,036	1002,777	0	0	0
R2b	Comb Fundamental	Combination	Max		0	973,142	2313,453	0	0	0
R2b	Comb Fundamental	Combination	Min		0	764,08	1232,289	0	0	0
R2b	Comb Fund. SC Esf Trans	Combination	Max		0	2354,16	2460,288	0	0	0
R2b	Comb Fund. SC Esf Trans	Combination	Min		0	1910,155	1343,086	0	0	0
R2b	Comb Fund Sismo 1	Combination	Max		0	2994,557	1083,776	0	0	0
R2b	Comb Fund Sismo 1	Combination	Min		0	-898,588	1028,111	0	0	0
R2b	Comb Fund Sismo 2	Combination	Max		0	2389,303	1075,051	0	0	0
R2b	Comb Fund Sismo 2	Combination	Min		0	-293,335	1036,836	0	0	0
R2b	Comb fund Temp esf trans	Combination	Max		0	2612,438	2243,28	0	0	0
R2b	Comb fund Temp esf trans	Combination	Min		0	2248,836	1341,674	0	0	0
R2b	comb rara	Combination	Max		0	893,786	1527,013	0	0	0
R2b	comb rara	Combination	Min		0	754,747	831,405	0	0	0
R2b	comb deformação	Combination	Max		0	1686,536	1228,878	0	0	0

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
R2b	comb deformação	Combination	Min		0	1423,115	1008,88	0	0	0
RP1a	DEAD	LinStatic			36,166	56,758	2680,808	-157,5221	105,6634	-0,6586
RP1a	MODAL	LinModal	Mode	1	1192,7	-28,034	203,394	60,9648	5576,9058	4,0523
RP1a	MODAL	LinModal	Mode	2	478,56	360,026	601,419	-993,6892	1401,7379	-3,892
RP1a	MODAL	LinModal	Mode	3	255,86	-824,319	1568,001	4205,6137	999,4055	-307,8884
RP1a	MODAL	LinModal	Mode	4	988,97	569,676	4349,224	-1876,5097	2947,6147	40,2914
RP1a	MODAL	LinModal	Mode	5	1180,3	-123,467	-15576,232	362,5427	3466,4469	1,5468
RP1a	MODAL	LinModal	Mode	6	783,94	-79,22	-15510,768	252,0529	2374,6873	-3,3169
RP1a	MODAL	LinModal	Mode	7	32,228	-1081,262	1202,633	6012,452	174,6561	-126,358
RP1a	MODAL	LinModal	Mode	8	-96,8	1523,056	3683,064	-4478,8543	-255,6187	12,8957
RP1a	MODAL	LinModal	Mode	9	302,03	-1787,471	5124,712	5973,0009	912,912	-31,7061
RP1a	MODAL	LinModal	Mode	10	-643,1	331,002	-15466,333	-964,3895	-1920,4274	2,2012
RP1a	MODAL	LinModal	Mode	11	1145,5	876,505	27480,903	-2757,0107	3355,1606	8,4457
RP1a	MODAL	LinModal	Mode	12	-118,9	-1498,229	1418,501	7314,0303	-572,6624	313,0741
RP1a	Pre esforco	LinStatic			-96,71	-52,308	124,037	166,3331	-431,6905	-0,9726
RP1a	Sobrecarga Uniforme	LinMoving	Max		30,225	19,991	467,669	78,6433	90,089	0,8368
RP1a	Sobrecarga Uniforme	LinMoving	Min		-21,48	-27,283	-59,52	-56,1122	-65,0484	-0,9807
RP1a	Sobrecarga Linear	LinMoving	Max		12,085	10,713	239,157	57,5277	39,6037	0,3787
RP1a	Sobrecarga Linear	LinMoving	Min		-12,58	-20,4	-94,2	-28,8795	-30,9912	-0,5002
RP1a	VT	LinMoving	Max		29,94	23,36	537,857	139,7864	78,4087	1,0218
RP1a	VT	LinMoving	Min		-28,64	-49,574	-203,278	-59,7773	-65,415	-1,2915
RP1a	RCP	LinStatic			7,434	11,344	473,036	-31,4881	21,7207	-0,131
RP1a	VDT+10	LinStatic			19,935	3,735	-195,097	-10,4332	58,4246	-0,0031
RP1a	VDT-5	LinStatic			-9,968	-1,868	97,548	5,2166	-29,2123	0,0016
RP1a	Sismo 1	LinRespSpec	Max		858,65	155,61	330,487	787,575	4012,902	57,5367
RP1a	Sismo 2	LinRespSpec	Max		881,43	98,864	238,601	494,7887	4120,6708	36,1387
RP1a	SC D Passeio	LinMoving	Max		6,642	10,559	115,511	6,8564	20,8842	0,3315
RP1a	SC D Passeio	LinMoving	Min		-5,474	-2,443	-23,536	-30,2667	-17,4812	-0,3418
RP1a	SC P Passeio	LinMoving	Max		1,923	2,489	24,866	3,4829	5,7231	0,0518
RP1a	SC P Passeio	LinMoving	Min		-1,729	-1,235	-5,464	-7,2629	-5,0671	-0,0608
RP1a	VUT	LinStatic			74,863	-22,8	22,464	108,8038	350,425	0,5417
RP1a	Retracao	LinStatic			-73,2	-5,548	-4,74	33,1266	-343,6334	-2,071
RP1a	VUT-	LinStatic			-74,86	22,8	-22,464	-108,8038	-350,425	-0,5417
RP1a	Mqp Descompressão	Combination	Max		8,627	65,088	3349,575	-93,072	-63,479	-2,3882
RP1a	Mqp Descompressão	Combination	Min		-18,04	45,129	3061,863	-149,4241	-142,5896	-3,0635
RP1a	Mfreq SC	Combination	Max		-78,29	21,033	3638,08	101,8666	-465,0542	-3,0514
RP1a	Mfreq SC	Combination	Min		-122,7	-17,204	3140,04	-6,1427	-596,9843	-4,4007
RP1a	Mfreq temperaturas	Combination	Max		-69,12	8,967	3497,615	96,0652	-413,3996	-3,2522
RP1a	Mfreq temperaturas	Combination	Min		-101,8	-12,112	3146,169	36,5831	-510,0376	-3,9285
RP1a	Comb Fundamental	Combination	Max		46,965	159,088	6044,955	-14,5892	-45,9265	-1,9689
RP1a	Comb Fundamental	Combination	Min		-112,7	16,962	4243,151	-416,103	-520,946	-7,0277
RP1a	Comb Fund. SC Esf Trans	Combination	Max		27,306	91,491	6214,018	282,9339	-119,0655	-2,3568

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
RP1a	Comb Fund. SC Esf Trans	Combination	Min		-161,3	-66,327	4375,003	-168,4798	-723,5922	-7,7073
RP1a	Comb Fund Sismo 1	Combination	Max		590,88	132,502	3525,747	601,1308	2705,3701	41,3903
RP1a	Comb Fund Sismo 1	Combination	Min		-770,3	-106,46	3025,276	-613,3583	-3657,6163	-46,9858
RP1a	Comb Fund Sismo 2	Combination	Max		607,96	89,942	3456,832	381,5411	2786,1967	25,3418
RP1a	Comb Fund Sismo 2	Combination	Min		-787,4	-63,901	3094,19	-393,7686	-3738,4429	-30,9372
RP1a	Comb fund Temp esf trans	Combination	Max		54,813	55,295	5792,623	265,5297	35,8981	-2,959
RP1a	Comb fund Temp esf trans	Combination	Min		-98,68	-51,051	4416,809	-40,3024	-462,7522	-6,2906
RP1a	comb rara	Combination	Max		66,748	94,285	4031,447	44,1541	138,7523	-1,0419
RP1a	comb rara	Combination	Min		-36,68	0,095	2859,509	-221,9568	-169,1636	-4,414
RP1a	comb deformação	Combination	Max		-78,41	18,011	3498,42	106,5278	-452,0005	-3,2636
RP1a	comb deformação	Combination	Min		-134,1	-17,64	3173,496	0,2757	-660,6182	-4,2307
RP1b	DEAD	LinStatic			156,34	103,544	3246,423	-294,1575	459,1546	0,5179
RP1b	MODAL	LinModal	Mode	1	1212,8	-33,29	-139,312	69,5366	5639,1732	1,2127
RP1b	MODAL	LinModal	Mode	2	816,31	470,306	6110,452	-1313,7769	2396,4335	3,4823
RP1b	MODAL	LinModal	Mode	3	-74,38	-1125,447	-1455,8	5855,4389	-375,8573	-248,9801
RP1b	MODAL	LinModal	Mode	4	-68,12	1418,385	-2602,53	-4469,1641	-104,615	37,2381
RP1b	MODAL	LinModal	Mode	5	56,038	110,235	-2828,095	-321,5442	164,3784	0,1228
RP1b	MODAL	LinModal	Mode	6	637,57	-317,343	2166,656	961,9051	1937,8982	-4,8471
RP1b	MODAL	LinModal	Mode	7	312,45	-1286,768	-6063,787	6579,7306	1081,8852	224,4564
RP1b	MODAL	LinModal	Mode	8	1425,8	566,41	-8263,74	-1729,6473	4242,1145	20,7687
RP1b	MODAL	LinModal	Mode	9	-1040	-669,825	17589,467	2691,462	-3009,9674	57,0685
RP1b	MODAL	LinModal	Mode	10	-846,1	4,615	-34877,951	-20,5846	-2512,0686	5,2564
RP1b	MODAL	LinModal	Mode	11	-677,7	1575,368	-8203,985	-4796,6536	-2006,3198	-12,5814
RP1b	MODAL	LinModal	Mode	12	223,54	-415,062	-466,473	1953,3211	1069,508	769,4669
RP1b	Pre esforco	LinStatic			-195,3	-95,768	-242,772	287,9561	-672,0973	1,2811
RP1b	Sobrecarga Uniforme	LinMoving	Max		48,36	41,712	603,119	24,4547	149,2477	0,642
RP1b	Sobrecarga Uniforme	LinMoving	Min		-20,03	-9,164	-42,695	-118,4642	-66,3998	-0,6125
RP1b	Sobrecarga Linear	LinMoving	Max		27,239	23,547	270,541	13,1349	81,4071	0,378
RP1b	Sobrecarga Linear	LinMoving	Min		-9,247	-5,323	-19,745	-64,3195	-38,3478	-0,2585
RP1b	VT	LinMoving	Max		50,971	56,941	562,477	31,158	154,1812	0,9829
RP1b	VT	LinMoving	Min		-22,88	-13,111	-66,537	-156,5204	-65,0556	-0,6607
RP1b	RCP	LinStatic			31,306	20,643	590,539	-58,6444	91,9437	0,1034
RP1b	VDT+10	LinStatic			9,49	5,964	27,31	-16,965	27,7906	0,047
RP1b	VDT-5	LinStatic			-4,745	-2,982	-13,655	8,4825	-13,8953	-0,0235
RP1b	Sismo 1	LinRespSpec	Max		871,8	212,583	287,41	1096,6959	4053,7478	46,5954
RP1b	Sismo 2	LinRespSpec	Max		895,77	134,574	197,653	688,3832	4165,1514	29,2021
RP1b	SC D Passeio	LinMoving	Max		10,867	6,65	126,346	22,9334	34,1886	0,2527
RP1b	SC D Passeio	LinMoving	Min		-4,975	-8,37	-19,525	-17,5524	-16,8766	-0,2144
RP1b	SC P Passeio	LinMoving	Max		2,921	2,13	28,822	7,1059	8,7545	0,0467
RP1b	SC P Passeio	LinMoving	Min		-1,829	-2,519	-5,489	-5,7224	-5,3753	-0,032
RP1b	VUT	LinStatic			48,965	-2,418	-34,206	4,6093	230,8005	2,2689
RP1b	Retraçao	LinStatic			-46,64	-3,647	21,746	25,4016	-222,3445	0,7929
RP1b	VUT-	LinStatic			-48,97	2,418	34,206	-4,6093	-230,8005	-2,2689
RP1b	Mqp Descompressão	Combination	Max		175,83	135,986	4056,64	-311,3681	459,2999	2,3635

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
RP1b	Mq Descompressão	Combination	Min		147,42	114,349	3827,956	-371,1741	369,5006	1,8707
RP1b	Mfreq SC	Combination	Max		-2,157	54,599	4013,869	-11,3074	-159,8287	3,8992
RP1b	Mfreq SC	Combination	Min		-54,71	14,009	3568,791	-123,2852	-326,9215	2,9347
RP1b	Mfreq temperaturas	Combination	Max		-7,759	40,927	3812,489	-20,7936	-161,0792	4,1078
RP1b	Mfreq temperaturas	Combination	Min		-39,02	17,501	3575,612	-85,6892	-259,2156	3,6009
RP1b	Comb Fundamental	Combination	Max		349,74	294,041	7312,649	-392,6817	915,4075	4,0727
RP1b	Comb Fundamental	Combination	Min		155,86	143,842	5652,824	-806,8729	298,1888	0,4719
RP1b	Comb Fund. SC Esf Trans	Combination	Max		218,06	205,673	7063,369	-42,986	518,2404	7,6521
RP1b	Comb Fund. SC Esf Trans	Combination	Min		-34,41	26,744	5330,713	-543,564	-300,6075	3,6669
RP1b	Comb Fund Sismo 1	Combination	Max		646,21	187,856	3831,493	783,0778	2919,3119	37,6418
RP1b	Comb Fund Sismo 1	Combination	Min		-708,1	-134,665	3378,632	-887,3676	-3383,6543	-33,0441
RP1b	Comb Fund Sismo 2	Combination	Max		664,19	129,349	3764,175	476,8433	3002,8646	24,5969
RP1b	Comb Fund Sismo 2	Combination	Min		-726,1	-76,159	3445,95	-581,1331	-3467,2069	-19,9991
RP1b	Comb fund Temp esf trans	Combination	Max		201,25	164,656	6459,229	-71,4446	514,489	8,278
RP1b	Comb fund Temp esf trans	Combination	Min		12,669	37,218	5351,176	-430,7757	-97,4899	5,6654
RP1b	comb rara	Combination	Max		256,7	194,222	4855,266	-260,3314	722,8929	3,8449
RP1b	comb rara	Combination	Min		128,86	94,984	3752,812	-533,9141	315,5823	1,4514
RP1b	comb deformação	Combination	Max		0,079	49,794	3838,145	34,1792	-145,5877	3,9009
RP1b	comb deformação	Combination	Min		-86,92	-0,573	3536,63	-112,0136	-437,0161	3,0237
RP2a	DEAD	LinStatic			-156,3	-103,544	3246,416	294,1591	-459,1486	0,5178
RP2a	MODAL	LinModal	Mode	1	1212,8	-33,285	139,237	69,5215	5639,1922	-1,2128
RP2a	MODAL	LinModal	Mode	2	-816,3	-474,774	6113,6	1338,4611	-2396,8668	4,6081
RP2a	MODAL	LinModal	Mode	3	-70,56	-1123,457	1427,581	5850,3592	-364,7036	249,0186
RP2a	MODAL	LinModal	Mode	4	-66,4	1419,154	2590,684	-4471,4092	-99,5513	-37,2657
RP2a	MODAL	LinModal	Mode	5	57,693	-169,659	-3181,546	502,233	181,449	1,0911
RP2a	MODAL	LinModal	Mode	6	638,65	-290,45	-1583,946	883,4001	1939,9653	4,6892
RP2a	MODAL	LinModal	Mode	7	-320,5	1282,698	-6102,743	-6565,3306	-1106,1694	224,8054
RP2a	MODAL	LinModal	Mode	8	1438,3	585,571	8455,761	-1812,4591	4277,3248	-18,6804
RP2a	MODAL	LinModal	Mode	9	1019	660,779	17483,378	-2663,3693	2948,7479	57,4171
RP2a	MODAL	LinModal	Mode	10	-815,6	-73,233	34529,126	218,0281	-2421,5109	-6,0181
RP2a	MODAL	LinModal	Mode	11	728,46	-1570,508	-10125,145	4782,1917	2156,9588	-12,3749
RP2a	MODAL	LinModal	Mode	12	223,74	-412,949	478,583	1942,9516	1071,5045	-771,5509
RP2a	Pre esforco	LinStatic			195,28	95,769	-242,764	-287,9574	672,0905	1,281
RP2a	Sobrecarga Uniforme	LinMoving	Max		20,023	9,155	603,06	118,4324	66,396	0,6422
RP2a	Sobrecarga Uniforme	LinMoving	Min		-48,35	-41,7	-42,696	-24,4311	-149,216	-0,6136
RP2a	Sobrecarga Linear	LinMoving	Max		9,247	5,323	270,54	64,321	38,3477	0,378
RP2a	Sobrecarga Linear	LinMoving	Min		-27,24	-23,547	-19,745	-13,1347	-81,7882	-0,2574
RP2a	VT	LinMoving	Max		22,84	13,11	562,197	156,4869	65,0557	0,9833
RP2a	VT	LinMoving	Min		-50,95	-56,928	-66,425	-31,1572	-154,1798	-0,6599
RP2a	RCP	LinStatic			-31,31	-20,643	590,537	58,6447	-91,9425	0,1034

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
RP2a	VDT+10	LinStatic			-9,49	-5,964	27,31	16,965	-27,7905	0,047
RP2a	VDT-5	LinStatic			4,745	2,982	-13,655	-8,4825	13,8953	-0,0235
RP2a	Sismo 1	LinRespSpec	Max		871,81	212,613	287,326	1096,8744	4053,7603	46,6067
RP2a	Sismo 2	LinRespSpec	Max		895,78	134,593	197,593	688,4959	4165,1648	29,2092
RP2a	SC D Passeio	LinMoving	Max		4,974	8,369	126,336	17,5535	16,8799	0,2527
RP2a	SC D Passeio	LinMoving	Min		-10,86	-6,648	-19,528	-22,9372	-34,1863	-0,2142
RP2a	SC P Passeio	LinMoving	Max		1,829	2,517	28,822	5,7221	5,3753	0,0467
RP2a	SC P Passeio	LinMoving	Min		-2,918	-2,13	-5,489	-7,09	-8,7767	-0,032
RP2a	VUT	LinStatic			-48,97	2,418	-34,206	-4,6096	-230,8005	2,2688
RP2a	Retracao	LinStatic			46,637	3,647	21,746	-25,4016	222,3444	0,7928
RP2a	VUT-	LinStatic			48,965	-2,418	34,206	4,6096	230,8005	-2,2688
RP2a	Mqp Descompressão	Combination	Max		-147,4	-114,351	4056,618	371,1702	-369,4935	2,3633
RP2a	Mqp Descompressão	Combination	Min		-175,8	-135,984	3827,948	311,374	-459,362	1,8705
RP2a	Mfreq SC	Combination	Max		54,711	-14,013	4013,842	123,2742	326,9218	3,8989
RP2a	Mfreq SC	Combination	Min		2,164	-54,594	3568,79	11,316	159,6904	2,9345
RP2a	Mfreq temperaturas	Combination	Max		39,018	-17,503	3812,475	85,6839	259,216	4,1075
RP2a	Mfreq temperaturas	Combination	Min		7,763	-40,924	3575,612	20,7981	161,0103	3,6006
RP2a	Comb Fundamental	Combination	Max		-155,9	-143,856	7312,533	806,8322	-298,1788	4,0726
RP2a	Comb Fundamental	Combination	Min		-349,7	-294,022	5652,807	392,7147	-915,9171	0,472
RP2a	Comb Fund. SC Esf Trans	Combination	Max		34,404	-26,758	7063,261	543,5219	300,6094	7,6517
RP2a	Comb Fund. SC Esf Trans	Combination	Min		-218	-205,655	5330,705	43,0171	-518,7561	3,6668
RP2a	Comb Fund Sismo 1	Combination	Max		708,13	134,688	3831,43	887,5021	3383,6641	37,6501
RP2a	Comb Fund Sismo 1	Combination	Min		-646,2	-187,879	3378,695	-783,211	-2919,3208	-33,0528
RP2a	Comb Fund Sismo 2	Combination	Max		726,11	76,173	3764,13	581,2182	3467,2175	24,6019
RP2a	Comb Fund Sismo 2	Combination	Min		-664,2	-129,364	3445,995	-476,9272	-3002,8742	-20,0046
RP2a	Comb fund Temp esf trans	Combination	Max		-12,68	-37,226	6459,161	430,751	97,492	8,2775
RP2a	Comb fund Temp esf trans	Combination	Min		-201,2	-164,645	5351,17	71,4636	-514,7964	5,6652
RP2a	comb rara	Combination	Max		-128,9	-94,993	4855,188	533,8869	-315,5756	3,8447
RP2a	comb rara	Combination	Min		-256,7	-194,21	3752,801	260,3532	-723,2326	1,4514
RP2a	comb deformação	Combination	Max		86,918	0,571	3838,131	112,0085	437,0151	3,9005
RP2a	comb deformação	Combination	Min		-0,074	-49,792	3536,631	-34,1749	145,5194	3,0235
RP2b	DEAD	LinStatic			-36,17	-56,757	2680,809	157,5206	-105,6775	-0,6585
RP2b	MODAL	LinModal	Mode	1	1192,7	-28,034	-203,388	60,964	5576,9391	-4,0524
RP2b	MODAL	LinModal	Mode	2	-476,6	-363,569	592,404	1012,1863	-1394,7814	-2,4969
RP2b	MODAL	LinModal	Mode	3	258,11	-822,778	-1570,943	4201,7313	1006,0462	307,9441
RP2b	MODAL	LinModal	Mode	4	988,5	570,809	-4363,443	-1879,7856	2946,2043	-40,2946
RP2b	MODAL	LinModal	Mode	5	-1018	103,068	-12468,977	-298,6769	-2977,1596	2,2129
RP2b	MODAL	LinModal	Mode	6	987,92	-98,677	18115,989	309,4594	2972,5332	3,0004
RP2b	MODAL	LinModal	Mode	7	-30,96	1072,459	1228,452	-5985,6331	-170,8472	-125,8308
RP2b	MODAL	LinModal	Mode	8	-101,8	1555,582	-3669,784	-4601,0862	-271,2204	-14,085
RP2b	MODAL	LinModal	Mode	9	-302,1	1765,152	5187,659	-5907,0968	-913,5496	-31,3964

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
RP2b	MODAL	LinModal	Mode	10	-695,7	286,591	16749,907	-823,3149	-2074,2178	-1,7254
RP2b	MODAL	LinModal	Mode	11	-1106	-887,102	26492,143	2787,4672	-3236,7239	8,4653
RP2b	MODAL	LinModal	Mode	12	-119,8	-1500,107	-1418,353	7323,5077	-576,1541	-314,8436
RP2b	Pre esforco	LinStatic			96,71	52,307	124,036	-166,3312	431,7057	-0,9727
RP2b	Sobrecarga Uniforme	LinMoving	Max		21,457	27,288	467,513	56,1087	65,0126	0,8355
RP2b	Sobrecarga Uniforme	LinMoving	Min		-30,22	-19,991	-59,561	-78,6503	-90,0732	-0,9808
RP2b	Sobrecarga Linear	LinMoving	Max		12,528	20,4	239,157	28,8774	30,9913	0,3808
RP2b	Sobrecarga Linear	LinMoving	Min		-12,09	-10,712	-94,2	-57,528	-39,6048	-0,5002
RP2b	VT	LinMoving	Max		28,496	49,574	537,86	59,7759	65,0852	1,023
RP2b	VT	LinMoving	Min		-29,94	-23,359	-203,278	-139,7865	-78,5638	-1,291
RP2b	RCP	LinStatic			-7,435	-11,344	473,036	31,4878	-21,7235	-0,131
RP2b	VDT+10	LinStatic			-19,94	-3,735	-195,097	10,4333	-58,4249	-0,0031
RP2b	VDT-5	LinStatic			9,968	1,868	97,548	-5,2166	29,2125	0,0016
RP2b	Sismo 1	LinRespSpec	Max		858,66	155,631	330,536	787,7052	4012,9277	57,5446
RP2b	Sismo 2	LinRespSpec	Max		881,44	98,877	238,624	494,871	4120,6959	36,1435
RP2b	SC D Passeio	LinMoving	Max		5,472	2,442	115,484	30,2625	17,4902	0,3313
RP2b	SC D Passeio	LinMoving	Min		-6,642	-10,558	-23,547	-6,8538	-20,8971	-0,3417
RP2b	SC P Passeio	LinMoving	Max		1,729	1,235	24,866	7,263	5,0671	0,0518
RP2b	SC P Passeio	LinMoving	Min		-1,923	-2,489	-5,464	-3,4829	-5,7234	-0,0608
RP2b	VUT	LinStatic			-74,86	22,8	22,464	-108,8037	-350,4249	0,5417
RP2b	Retraçao	LinStatic			73,204	5,548	-4,74	-33,1265	343,6334	-2,071
RP2b	VUT-	LinStatic			74,863	-22,8	-22,464	108,8037	350,4249	-0,5417
RP2b	Mqp Descompressão	Combination	Max		18,022	-45,128	3349,54	149,4205	142,5675	-2,388
RP2b	Mqp Descompressão	Combination	Min		-8,629	-65,087	3061,854	93,0693	63,4624	-3,0635
RP2b	Mfreq SC	Combination	Max		122,62	17,205	3638,006	6,1389	596,972	-3,0512
RP2b	Mfreq SC	Combination	Min		78,292	-21,032	3140,04	-101,8683	465,0531	-4,4007
RP2b	Mfreq temperaturas	Combination	Max		101,75	12,113	3497,578	-36,5848	510,0307	-3,2521
RP2b	Mfreq temperaturas	Combination	Min		69,121	-8,967	3146,169	-96,0659	413,3982	-3,9285
RP2b	Comb Fundamental	Combination	Max		112,56	-16,955	6044,682	416,0856	520,8809	-1,968
RP2b	Comb Fundamental	Combination	Min		-46,96	-159,085	4243,154	14,5796	45,9033	-7,0277
RP2b	Comb Fund. SC Esf Trans	Combination	Max		161,23	66,333	6213,742	168,4642	723,5454	-2,3558
RP2b	Comb Fund. SC Esf Trans	Combination	Min		-27,3	-91,489	4375,003	-282,9412	119,0561	-7,7074
RP2b	Comb Fund Sismo 1	Combination	Max		770,31	106,476	3525,783	613,4561	3657,6339	41,3962
RP2b	Comb Fund Sismo 1	Combination	Min		-590,9	-132,518	3025,238	-601,2282	-2705,391	-46,9916
RP2b	Comb Fund Sismo 2	Combination	Max		787,39	63,911	3456,849	393,8304	3738,46	25,3454
RP2b	Comb Fund Sismo 2	Combination	Min		-608	-89,952	3094,172	-381,6026	-2786,2171	-30,9409
RP2b	Comb fund Temp esf trans	Combination	Max		98,62	51,055	5792,458	40,2928	462,7215	-2,9584
RP2b	Comb fund Temp esf trans	Combination	Min		-54,81	-55,294	4416,763	-265,5341	-35,9087	-6,2906
RP2b	comb rara	Combination	Max		36,609	-0,09	4031,265	221,9452	169,1202	-1,0413

TABLE: Joint Reactions

Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
RP2b	comb rara	Combination	Min		-66,74	-94,284	2859,511	-44,1604	-138,7678	-4,414
RP2b	comb deformacao	Combination	Max		134,07	17,641	3498,382	-0,2776	660,6144	-3,2634
RP2b	comb deformacao	Combination	Min		78,41	-18,011	3173,486	-106,5281	451,9976	-4,2307