

NO.	LOAD NAME	Q-Z(T) 36	M-Y(T,M) 47	Q-Z(T) 47	M-Y(T,M) 47	Q-Z(T) 47	M-Y(T,M) 47	Q-Z(T) 58	M-Y(T,M) 58	Q-Z(T) 58	M-Y(T,M) 58
1		-3.028	-17.789	4.251	-17.777	4.254	-0.794				
2		-18.532	-115.977	30.167	-115.897	30.167	-2.396				
3	HAI (+)	5.116	2.155	24.975	2.154	10.046	1.650				
4	HAR (-)	-16.445	-47.375	-1.342	-47.346	-0.897	-32.851				
5	(L=6) (+)	5.406	3.333	25.460	3.333	25.461	39.791				
6	(L=11) (+)	-17.663	-74.978	-1.795	-74.931	-1.798	-32.897				
7	(L=16) (-)	0.485	0.000	12.549	0.000	12.554	23.457				
8	(L=21) (+)	-11.524	-32.494	-0.140	-32.473	-0.142	-26.021				
9	(L=26) (+)	0.556	0.000	9.418	0.000	9.425	16.716				
10	HB1 (+)	-8.087	-31.386	-0.367	-31.365	-0.368	-16.266				
11	HB2 (-)	0.562	0.000	8.885	0.000	8.895	16.475				
12	T(L=6) + HB1 (+)	-8.168	-36.684	-0.562	-36.658	-0.562	-15.936				
13	T(L=11) + HB1 (+)	0.562	0.000	9.303	0.000	9.306	16.475				
14	T(L=16) + HB1 (+)	-8.732	-35.846	-0.562	-35.820	-0.562	-15.948				
15	T(L=21) + HB1 (+)	0.562	0.000	8.928	0.000	8.930	16.475				
16	T(L=26) + HB1 (+)	-8.564	-34.071	-0.562	-34.059	-0.562	-15.936				
17	HB1 (+)	-5.383	-25.937	13.495	-25.920	1.927	-16.936				
18	HB2 (-)	-4.898	-40.125	13.063	-40.099	11.635	-1.931				
19	T(L=6) + HB1 (+)	-4.898	-25.937	26.044	-25.920	14.482	6.522				
20	T(L=11) + HB1 (+)	-16.907	-58.431	13.355	-58.393	1.786	-42.957				
21	T(L=16) + HB1 (+)	-4.827	-25.937	22.912	-25.920	11.352	-0.250				
22	T(L=21) + HB1 (+)	-13.470	-57.323	13.128	-57.285	1.560	-33.202				
23	T(L=26) + HB1 (+)	-4.621	-25.937	22.380	-25.920	10.822	-0.461				
24	HB1 (+)	-13.551	-62.621	12.933	-62.578	1.365	-32.872				
25	HB2 (-)	-4.821	-25.937	22.798	-25.920	11.234	-0.461				
26	T(L=6) + HB2 (+)	-14.115	-61.784	12.933	-61.741	1.365	-32.884				
27	T(L=11) + HB2 (+)	-4.821	-25.937	22.423	-25.920	10.857	-0.661				
28	T(L=16) + HB2 (+)	-13.747	-50.008	12.933	-49.975	1.365	-32.872				
29	T(L=21) + HB2 (+)	-5.675	-40.125	25.612	-40.099	24.190	21.506				
30	T(L=26) + HB2 (+)	-17.684	-72.619	12.923	-72.572	11.494	-27.972				
31	HB1 (+)	-5.604	-40.125	22.481	-40.099	21.060	14.765				
32	HB2 (-)	-14.247	-71.511	12.696	-71.464	11.268	-18.217				
33	T(L=6) + HB2 (+)	-5.598	-40.125	21.948	-40.099	20.530	14.524				
34	T(L=11) + HB2 (+)	-14.328	-76.809	12.501	-76.757	11.073	-17.887				
35	T(L=16) + HB2 (+)	-5.598	-40.125	22.366	-40.099	20.942	14.524				
36	T(L=21) + HB2 (+)	-14.893	-75.972	12.501	-75.920	11.073	-17.899				
37	T(L=26) + HB2 (+)	-5.598	-40.125	21.991	-40.099	20.565	14.524				
38		-14.524	-64.196	12.501	-64.154	11.073	-17.887				

** UHURU BRIDGE **

NO.	LOAD NAME	M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)	
		58	69	58	69	69	80	69	80	80	69
1		-0.794	3.032	10.491	-1.810	10.481	0.098	8.091			
2		-2.396	18.532	56.870	-6.897	56.816	5.543	55.535			
3	HA1	1.650	3.730	2.558	0.897	2.557	2.417	1.279			
4	HA2	-32.851	-0.897	-22.562	-3.730	-22.535	-0.274	-11.269			
5	(L=6)	39.791	17.662	70.590	12.801	70.526	15.667	60.114			
6	(L=11)	-32.897	-5.413	-28.592	-12.598	-28.588	-7.137	-12.642			
7	(L=16)	23.457	10.882	61.214	2.941	61.154	4.835	38.820			
8	(L=21)	-26.021	-0.684	-21.241	-9.920	-21.214	-7.500	-10.609			
9	(L=26)	16.716	7.979	41.031	2.462	40.992	4.050	26.998			
10	HB1	-16.266	-1.015	-14.470	-8.895	-14.452	-5.921	-7.227			
11	HB2	16.475	7.766	41.031	2.791	40.992	4.096	26.881			
12	T(L=6) + HB1	-15.936	-1.447	-13.707	-9.030	-13.691	-5.850	-6.847			
13	T(L=11) + HB1	16.475	8.406	41.031	3.169	40.992	4.067	26.881			
14	T(L=16) + HB1	-15.948	-1.595	-13.707	-8.825	-13.691	-6.095	-6.847			
15	T(L=21) + HB1	16.475	7.721	41.031	3.169	40.992	3.901	26.881			
16	T(L=26) + HB1	-15.936	-1.603	-13.707	-7.977	-13.691	-6.095	-6.847			
17	T(L=6) + HB2	-15.936	1.937	-7.951	-1.927	-7.939	0.851	-3.970			
18	T(L=11) + HB2	-1.951	4.732	4.021	2.170	4.014	6.473	18.098			
19	T(L=16) + HB2	12.809	6.522	33.263	1.014	33.215	5.687	34.850			
20	T(L=21) + HB2	-42.957	1.243	-29.192	-11.847	-29.153	-6.649	-14.579			
21	T(L=26) + HB2	-0.220	9.907	33.080	0.534	33.053	4.902	23.028			
22	T(L=6) + HB1	-33.202	0.913	-22.420	-10.823	-22.391	-5.070	-11.198			
23	T(L=11) + HB1	-0.461	9.693	33.080	0.864	33.053	4.948	22.910			
24	T(L=16) + HB1	-32.872	0.481	-21.658	-10.958	-21.630	-4.999	-10.817			
25	T(L=21) + HB1	-0.461	10.333	33.080	1.241	33.053	4.919	22.910			
26	T(L=26) + HB1	-32.884	0.332	-21.658	-10.753	-21.630	-5.244	-10.817			
27	T(L=6) + HB2	-0.461	9.648	33.080	1.241	33.053	4.752	22.910			
28	T(L=11) + HB2	-32.872	0.324	-21.658	-9.904	-21.630	-5.244	-10.817			
29	T(L=16) + HB2	21.506	15.614	65.235	5.112	65.168	11.308	56.919			
30	T(L=21) + HB2	-27.972	4.048	-17.220	-7.749	-17.201	-1.027	7.489			
31	T(L=26) + HB2	14.765	12.712	45.051	4.632	45.005	10.524	45.096			
32	T(L=6) + HB1	-18.217	3.718	-10.449	-6.725	-10.439	0.552	10.871			
33	T(L=11) + HB1	14.524	12.499	45.051	4.962	45.005	10.569	44.979			
34	T(L=16) + HB1	-17.887	3.266	-9.686	-6.860	-9.677	0.623	11.252			
35	T(L=21) + HB1	14.524	13.138	45.051	5.339	45.005	10.540	44.979			
36	T(L=26) + HB1	-17.899	3.138	-9.686	-6.655	-9.677	0.378	11.252			
37	T(L=6) + HB2	14.524	12.453	45.051	5.339	45.005	10.374	44.979			
38	T(L=11) + HB2	-17.887	3.129	-9.686	-5.806	-9.677	0.378	11.252			

** UHURU BRIDGE **

NO.	LOAD NAME	Q-Z(T) 80 - 69	M-Y(T,M) 80 - 91	Q-Z(T) 80 - 91	M-Y(T,M) 91 - 80	Q-Z(T) 91 - 80	M-Y(T,M) 4 - 15	Q-Z(T) 4 - 15
1		1.124	8.091	-1.124	0.003	2.346	-0.002	2.172
2		6.092	55.535	-6.092	0.018	17.727	-0.019	17.665
3	HA1 (+)	0.274	1.279	2.417	0.000	0.274	0.001	20.650
4	HA2 (+)	-2.417	-11.269	-0.274	-0.004	-2.417	-0.022	-0.814
5	(L=6) (+)	11.281	60.114	8.052	0.019	19.624	0.004	19.371
6	(L=11) (+)	-8.052	-12.642	-11.281	-0.005	-2.711	-0.020	-2.481
7	(L=16) (+)	8.218	38.820	2.275	0.013	9.259	0.003	3.887
8	(L=21) (+)	-2.275	-10.609	-8.218	-0.003	-2.275	-0.006	-1.630
9	(L=26) (+)	5.790	26.998	1.609	0.009	6.590	0.002	2.413
10	HB1 (+)	-2.412	-7.227	-5.790	-0.002	-1.550	-0.004	-1.094
11	HB2 (-)	5.765	26.881	1.667	0.009	6.452	0.002	2.413
12	T(L=6) + HB1 (+)	-1.667	-6.847	-5.765	-0.002	-1.468	-0.004	-1.032
13	T(L=11) + HB1 (+)	5.765	26.881	1.776	0.009	6.452	0.002	2.413
14	T(L=16) + HB1 (+)	-1.776	-6.847	-5.765	-0.002	-1.468	-0.004	-1.032
15	T(L=21) + HB1 (+)	5.765	26.881	1.942	0.009	7.418	0.004	2.413
16	T(L=26) + HB1 (+)	-1.942	-6.847	-5.765	-0.002	-1.468	-0.004	-1.032
17	T(L=6) + HB2 (-)	0.851	-3.970	0.851	-0.001	-0.851	-0.010	9.114
18	T(L=11) + HB2 (-)	0.430	18.098	-0.430	0.006	7.331	-0.008	7.336
19	T(L=16) + HB2 (-)	-3.127	-14.579	-7.266	0.011	8.408	-0.008	13.001
20	T(L=21) + HB2 (-)	4.938	23.028	2.461	-0.005	-3.127	-0.016	7.485
21	T(L=26) + HB2 (-)	-3.264	-11.198	-4.938	0.008	5.739	-0.008	11.528
22	T(L=6) + HB1 (+)	4.913	22.910	2.518	-0.004	-2.401	-0.014	8.020
23	T(L=11) + HB1 (+)	-2.518	-10.817	-4.913	0.008	5.601	-0.009	11.527
24	T(L=16) + HB1 (+)	4.913	22.910	2.627	-0.004	-2.320	-0.014	8.082
25	T(L=21) + HB1 (+)	-2.627	-10.817	-4.913	0.008	5.677	-0.009	11.527
26	T(L=26) + HB1 (+)	4.913	22.910	2.793	-0.004	-2.320	-0.014	8.082
27	T(L=6) + HB2 (-)	-2.793	-10.817	-4.913	0.019	16.590	-0.005	5.706
28	T(L=11) + HB2 (-)	8.648	56.919	1.845	0.002	5.056	-0.014	9.749
29	T(L=16) + HB2 (-)	-1.845	-7.489	-8.648	0.015	13.922	-0.006	9.749
30	T(L=21) + HB2 (-)	6.220	45.096	1.179	0.015	13.922	-0.006	9.749
31	T(L=26) + HB2 (-)	-1.982	-10.871	-6.220	0.003	5.781	-0.012	6.241
32	T(L=6) + HB1 (+)	6.194	44.979	1.237	0.015	13.783	-0.006	9.748
33	T(L=11) + HB1 (+)	-1.237	-11.232	-6.194	0.004	5.863	-0.012	6.303
34	T(L=16) + HB1 (+)	6.194	44.979	1.346	0.015	13.783	-0.006	9.748
35	T(L=21) + HB1 (+)	-1.346	-11.252	-6.194	0.004	5.863	-0.012	6.303
36	T(L=26) + HB1 (+)	6.194	44.979	1.512	0.015	14.750	-0.006	9.748
37	T(L=6) + HB2 (-)	-1.512	-11.252	-6.194	0.004	5.863	-0.012	6.303

NO.	LOAD NAME	M-Y(T,M) 15 - 4	Q-Z(T) 15 - 4	M-Y(T,M) 15 - 26	Q-Z(T) 15 - 26	M-Y(T,M) 26 - 15	Q-Z(T) 26 - 15	M-Y(T,M) 26 - 37
1		7.273	-0.949	7.273	0.949	8.849	0.273	8.841
2		55.210	-6.029	55.210	6.029	56.197	5.606	56.140
3	HA1	62.359	6.825	62.359	11.582	71.288	15.155	71.217
4	HA2	-3.795	-11.582	-3.795	-6.825	-13.338	-7.198	-13.340
5	(L=6)	58.546	7.953	58.546	10.957	67.171	15.647	67.105
6	(L=11)	-11.561	-10.957	-11.561	-7.953	-26.679	-6.805	-26.657
7	(L=16)	18.112	1.630	18.112	3.887	36.230	1.630	36.200
8	(L=21)	17.596	-3.887	17.596	-1.630	-15.194	-4.654	-15.177
9	(L=26)	11.243	1.094	11.243	2.413	22.495	1.094	22.477
10	HB1	-5.099	-2.413	-5.099	-1.094	-10.200	-3.571	-10.190
11	HB2	11.243	1.032	11.243	2.413	22.490	1.032	22.472
12	T(L=6) + HB1	-4.812	-2.413	-4.812	-1.032	-9.625	-3.571	-9.615
13	T(L=11) + HB1	11.243	-2.413	11.243	-1.032	22.490	-3.571	22.472
14	T(L=16) + HB1	29.503	-3.547	29.503	-1.032	69.293	-3.587	69.223
15	T(L=21) + HB1	23.150	-2.600	23.150	-2.600	46.230	-4.507	46.203
16	T(L=26) + HB1	47.615	-1.917	47.615	-0.263	99.223	-0.263	99.223
17	T(L=6) + HB2	21.907	7.434	21.907	1.917	17.870	0.263	17.845
18	T(L=11) + HB2	40.746	-2.453	40.746	-0.263	89.223	-0.263	89.223
19	T(L=16) + HB2	24.403	-5.960	24.403	-2.453	55.558	5.485	55.499
20	T(L=21) + HB2	40.746	-2.515	40.746	-0.820	22.863	0.820	22.832
21	T(L=26) + HB2	24.691	-5.960	24.691	-2.515	55.553	5.424	55.494
22		40.746	-2.515	40.746	-0.820	23.438	0.820	23.407
23		24.691	-6.486	24.691	-2.515	60.460	6.137	60.403
24		15.554	-6.486	15.554	-0.970	9.037	-0.147	9.026
25		34.395	-1.505	34.395	0.970	46.725	5.602	46.680
26		18.050	-5.013	18.050	-1.505	14.030	0.936	14.013
27		34.393	-1.567	34.393	5.012	46.720	5.540	46.675
28		18.338	-5.012	18.338	-1.567	14.605	0.936	14.588
29		34.393	-1.567	34.393	5.012	46.720	5.540	46.675
30		18.338	-5.012	18.338	-1.567	14.605	0.936	14.588
31		34.393	-1.567	34.393	5.012	46.720	5.540	46.675
32		18.338	-5.012	18.338	-1.567	14.605	0.936	14.588
33		34.393	-1.567	34.393	5.012	46.720	5.540	46.675
34		18.338	-5.012	18.338	-1.567	14.605	0.936	14.588
35		34.393	-1.567	34.393	5.012	46.720	5.540	46.675
36		18.338	-5.012	18.338	-1.567	14.605	0.936	14.588

NO.	LOAD NAME	Q-Z (T) 26 - 37	M-Y (T,M) 37 - 26	Q-Z (T) 37 - 26	M-Y (T,M) 37 - 48	Q-Z (T) 37 - 48	M-Y (T,M) 48 - 37	Q-Z (T) 48 - 37
1		-1,416	-0,608	2,638	-0,608	-2,638	-15,757	3,861
2		-6,725	-2,332	18,361	-2,332	-18,361	-115,044	29,996
3	HA1 (+)	13,235	39,908	16,055	39,908	5,216	2,343	24,654
4	HA2 (-)	-10,646	-4,997	-5,216	-4,997	-16,055	-46,982	-1,585
5	(L=6) (+)	13,046	38,080	17,447	38,080	5,552	5,653	25,315
6	(L=11) (+)	-12,571	-31,257	-5,552	-31,257	-17,447	-74,441	-1,888
7	(L=16) (+)	0,504	11,555	5,287	11,555	0,504	0,000	5,287
8	(L=21) (+)	-6,477	-14,162	-0,504	-14,162	-5,287	-13,165	-0,504
9	(L=26) (+)	0,460	7,018	3,374	7,018	0,460	0,000	3,374
10	HB1 (+)	-4,924	-8,566	-0,460	-8,566	-3,374	-11,457	-0,460
11	HB2 (-)	0,574	6,840	3,500	6,840	0,574	0,000	3,500
12	T(L=6) + HB1 (+)	-5,181	-8,530	-0,574	-8,530	-3,500	-16,548	-0,574
13	T(L=11) + HB1 (+)	-5,515	-8,530	0,574	-8,530	0,574	0,000	3,803
14	T(L=16) + HB1 (+)	0,574	6,840	3,605	6,840	0,574	0,000	3,605
15	T(L=21) + HB1 (+)	-5,206	-8,530	-0,574	-8,530	-3,605	-11,030	-0,574
16	T(L=26) + HB1 (+)	1,624	16,563	6,314	16,563	6,314	-25,848	11,881
17	T(L=6) + HB2 (-)	2,128	3,258	6,861	3,258	-6,861	-39,763	17,597
18	T(L=11) + HB2 (-)	-4,853	28,118	11,601	28,118	-5,811	-25,848	17,168
19	T(L=16) + HB2 (-)	2,084	2,401	5,811	2,401	-11,601	-39,013	11,378
20	T(L=21) + HB2 (-)	-3,500	7,998	9,689	7,998	-5,854	-25,848	15,256
21	T(L=26) + HB2 (-)	2,198	23,403	9,814	23,403	-9,689	-37,305	11,421
22	T(L=6) + HB2 (-)	-3,557	-8,034	5,740	-8,034	-5,740	-25,848	15,381
23	T(L=11) + HB2 (-)	2,198	23,403	10,117	23,403	-9,814	-42,396	11,308
24	T(L=16) + HB2 (-)	-3,890	8,034	5,740	8,034	-5,740	-25,848	15,684
25	T(L=21) + HB2 (-)	2,198	23,403	9,919	23,403	-10,117	-43,711	11,308
26	T(L=26) + HB2 (-)	-3,582	8,034	5,740	8,034	-5,740	-25,848	15,486
27	T(L=6) + HB2 (+)	0,750	14,813	12,147	14,813	-6,357	-39,763	16,883
28	T(L=11) + HB2 (+)	-6,230	-10,904	6,357	-10,904	-12,147	-32,928	11,093
29	T(L=16) + HB2 (+)	0,706	10,276	10,235	10,276	-6,401	-39,763	14,971
30	T(L=21) + HB2 (+)	-4,678	-5,306	6,401	-5,306	-10,235	-51,220	11,137
31	T(L=26) + HB2 (+)	0,820	10,098	10,361	10,098	-6,287	-39,763	15,097
32	T(L=6) + HB2 (+)	-4,935	-5,272	6,287	-5,272	-10,361	-56,311	11,023
33	T(L=11) + HB2 (+)	0,820	10,098	10,663	10,098	-6,287	-39,763	15,399
34	T(L=16) + HB2 (+)	-5,268	-5,272	6,287	-5,272	-10,663	-57,627	11,023
35	T(L=21) + HB2 (+)	0,820	10,098	10,466	10,098	-6,287	-39,763	15,202
36	T(L=26) + HB2 (+)	-4,960	-5,272	6,287	-5,272	-10,466	-50,794	11,023

NO.	LOAD NAME	M-Y(T,M) 48 - 59	Q-Z(T) 48 - 59	M-Y(T,M) 59 - 48	Q-Z(T) 59 - 48	M-Y(T,M) 59 - 70	Q-Z(T) 59 - 70	M-Y(T,M) 70 - 59
1		-15.746	3.859	-0.604	-2.637	-0.604	2.637	8.838
2		-114.966	29.964	-2.404	-18.528	-2.404	18.528	55.914
3	HA1	2.342	10.204	1.407	0.940	1.407	3.916	2.329
4	HA2	-46.953	-0.940	-30.952	-3.916	-30.952	-0.940	-20.019
5	(L=6)	3.651	25.300	37.896	5.559	37.896	17.431	66.857
6	(L=11)	-74.415	-1.903	-31.133	-11.497	-31.133	-5.559	-26.620
7	(L=16)	0.000	5.288	11.497	0.507	11.497	5.288	36.148
8	(L=21)	-13.155	-0.507	-14.080	-5.288	-14.080	-0.507	-15.099
9	(L=26)	0.000	3.375	6.983	0.462	6.983	3.375	22.451
10	HB1	-11.449	-0.462	-8.514	-3.375	-8.514	-0.462	-10.144
11	HB2	0.000	5.504	6.807	0.577	6.807	3.504	22.440
12	T(L=6) + HB1	-16.536	-0.577	-8.481	-3.504	-8.481	-0.577	-9.578
13	T(L=11) + HB1	0.000	3.807	6.807	0.577	6.807	3.807	22.440
14	T(L=16) + HB1	-17.850	-0.577	-8.481	-3.807	-8.481	-0.577	-9.578
15	T(L=21) + HB1	0.000	3.605	6.807	0.577	6.807	3.605	22.440
16	T(L=26) + HB1	-11.022	-0.577	-8.481	-3.605	-8.481	-0.577	-9.578
17	T(L=6) + HB2	-25.830	1.833	-17.284	-1.833	-17.284	1.833	-8.738
18	T(L=11) + HB2	39.737	10.078	37.996	5.342	37.996	5.342	10.067
19	T(L=16) + HB2	-25.830	7.121	-5.788	-1.326	-5.788	7.121	27.410
20	T(L=21) + HB2	-38.986	1.326	-31.364	-1.326	-31.364	1.326	-25.838
21	T(L=26) + HB2	-25.830	5.208	-10.302	-1.371	-10.302	5.208	13.713
		-37.279	1.371	-25.798	-5.208	-25.798	1.371	-18.882
		-25.850	5.257	-10.478	-1.257	-10.478	5.257	13.702
		-42.366	1.257	-25.765	-5.337	-25.765	1.257	-18.516
		-25.850	5.840	-10.478	-1.257	-10.478	5.840	13.702
		-43.681	1.257	-25.765	-5.640	-25.765	1.257	-18.516
		-25.830	5.436	-10.478	-1.257	-10.478	5.436	13.702
		-36.853	1.257	-25.765	-5.438	-25.765	1.257	-18.516
		-39.737	15.366	7.701	-4.834	7.701	10.650	46.216
		-52.692	9.550	-17.876	-10.630	-17.876	9.550	-5.032
		-39.737	15.433	3.187	-4.879	3.187	8.717	32.519
		-51.186	9.615	-12.310	-8.717	-12.310	9.615	-0.076
		-39.737	15.581	3.010	-4.765	3.010	8.845	32.508
		-56.273	9.501	-12.277	-8.845	-12.277	9.501	0.489
		-39.737	15.884	3.010	-4.765	3.010	9.148	32.508
		-57.587	9.501	-12.277	-9.148	-12.277	9.501	0.489
		-39.737	15.682	3.010	-4.765	3.010	8.946	32.508
		-50.759	9.501	-12.277	-8.946	-12.277	9.501	0.489

NO.	LOAD NAME	Q-ZC (T)		M-Y (T, M)		Q-ZC (T)		M-Y (T, M)		Q-ZC (T)	
		70 - 59	70 - 81	70 - 81	81 - 70	70 - 81	81 - 70	81 - 70	81 - 92	81 - 92	81 - 92
1		-1.414	8.830	0.276	7.266	0.947	7.266	0.947	7.266	-0.947	-0.947
2		-6.692	55.860	5.646	55.061	5.989	55.061	5.989	55.061	-5.989	-5.989
3	HA1	0.940	2.329	2.144	1.164	0.250	1.164	0.250	1.164	2.144	2.144
		-3.916	-19.995	-0.250	-9.999	-2.144	-9.999	-2.144	-9.999	-0.250	-0.250
4	HA2	13.061	66.797	15.657	58.329	10.906	58.329	10.906	58.329	7.956	7.956
		-12.349	-26.599	-6.766	-11.489	-7.956	-11.489	-7.956	-11.489	-10.906	-10.906
5	(L=6)	0.507	36.116	1.617	18.061	3.873	18.061	3.873	18.061	1.617	1.617
		-6.478	-15.083	-4.638	-7.543	-1.617	-7.543	-1.617	-7.543	-3.873	-3.873
6	(L=11)	0.462	22.432	1.087	11.218	2.405	11.218	2.405	11.218	1.087	1.087
		-5.106	-10.135	-3.646	-5.067	-1.087	-5.067	-1.087	-5.067	-2.405	-2.405
7	(L=16)	0.577	22.420	1.026	11.212	2.404	11.212	2.404	11.212	1.026	1.026
		-5.198	-9.568	-3.646	-4.785	-1.026	-4.785	-1.026	-4.785	-2.404	-2.404
8	(L=21)	0.577	22.420	1.026	11.212	2.404	11.212	2.404	11.212	1.026	1.026
		-5.537	-9.568	-3.646	-4.785	-1.026	-4.785	-1.026	-4.785	-2.404	-2.404
9	(L=26)	0.577	22.420	1.026	11.212	2.404	11.212	2.404	11.212	1.026	1.026
		-5.220	-9.568	-3.646	-4.785	-1.026	-4.785	-1.026	-4.785	-2.404	-2.404
10	HB1	-1.833	-8.725	0.936	-4.363	-0.936	-4.363	-0.936	-4.363	0.936	0.936
11	HB2	-0.606	10.057	3.658	16.070	1.078	16.070	1.078	16.070	-1.078	-1.078
12	T(L=6) + HB1	-1.326	27.591	2.555	13.698	2.937	13.698	2.937	13.698	-2.555	-2.555
		-8.312	-23.808	-3.702	-11.906	-2.553	-11.906	-2.553	-11.906	-2.937	-2.937
13	T(L=11) + HB1	-1.371	13.706	2.022	6.854	1.470	6.854	1.470	6.854	-2.022	-2.022
		-6.939	-18.658	-2.710	-9.431	-2.022	-9.431	-2.022	-9.431	-1.470	-1.470
14	T(L=16) + HB1	-1.257	13.695	1.962	6.849	1.469	6.849	1.469	6.849	-1.469	-1.469
		-7.031	-16.293	-2.710	-9.148	-1.462	-9.148	-1.462	-9.148	-1.469	-1.469
15	T(L=21) + HB1	-1.257	13.695	1.962	6.849	1.469	6.849	1.469	6.849	-1.462	-1.462
		-7.371	-18.293	-2.710	-9.148	-1.462	-9.148	-1.462	-9.148	-1.469	-1.469
16	T(L=26) + HB1	-1.257	13.695	1.962	6.849	1.469	6.849	1.469	6.849	-1.462	-1.462
		-7.054	-16.293	-2.710	-9.148	-1.462	-9.148	-1.462	-9.148	-1.469	-1.469
17	T(L=6) + HB2	-0.099	46.173	5.275	34.131	4.951	34.131	4.951	34.131	-0.539	-0.539
		-7.084	-5.028	-0.980	-8.527	-0.539	-8.527	-0.539	-8.527	4.951	4.951
18	T(L=11) + HB2	-0.144	32.488	4.744	27.287	3.484	27.287	3.484	27.287	-0.009	-0.009
		-5.712	-0.076	0.012	11.002	-0.009	11.002	-0.009	11.002	3.484	3.484
19	T(L=16) + HB2	-0.029	32.477	4.684	27.282	3.482	27.282	3.482	27.282	-0.052	-0.052
		-5.804	0.489	0.012	11.285	0.052	11.285	0.052	11.285	-3.482	-3.482
20	T(L=21) + HB2	-0.029	32.477	4.684	27.282	3.482	27.282	3.482	27.282	-0.052	-0.052
		-6.143	0.489	0.012	11.285	0.052	11.285	0.052	11.285	-3.482	-3.482
21	T(L=26) + HB2	-0.029	32.477	4.684	27.282	3.482	27.282	3.482	27.282	-0.052	-0.052
		-5.826	0.489	0.012	11.285	0.052	11.285	0.052	11.285	-3.482	-3.482

NO.	LOAD NAME	M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)	
		92	81	92	81	5	16	16	5	16	27
1		0.002	2.169	-0.003	2.130	0.002	2.130	-0.003	2.130	7.299	7.299
2		0.018	17.925	-0.019	17.563	0.018	17.563	-0.019	17.563	54.736	54.736
3	HA1	0.000	0.250	0.001	0.250	0.000	0.250	0.001	0.250	62.257	62.257
4	HA2	-0.004	-2.144	-0.022	-0.743	-0.004	-0.743	-0.022	-0.743	-3.463	-3.463
5	(L=6)	0.019	19.326	0.004	19.509	0.019	19.509	0.004	19.509	58.201	58.201
6	(L=11)	-0.004	-2.464	-0.021	-2.340	-0.004	-2.340	-0.021	-2.340	-10.908	-10.908
7	(L=16)	0.006	5.873	0.002	1.614	0.006	1.614	0.002	1.614	7.521	7.521
8	(L=21)	-0.004	-1.617	-0.003	-0.970	-0.004	-0.970	-0.003	-0.970	-4.522	-4.522
9	(L=26)	0.004	2.405	0.001	1.000	0.004	1.000	0.001	1.000	4.658	4.658
10	HB1	-0.002	-1.087	-0.002	-0.636	-0.002	-0.636	-0.002	-0.636	-2.962	-2.962
11	HB2	0.004	2.404	0.001	0.997	0.004	0.997	0.001	0.997	4.648	4.648
12	T(L=6) + HB1	-0.002	-1.026	-0.002	-0.637	-0.002	-0.637	-0.002	-0.637	-2.967	-2.967
13	T(L=11) + HB1	0.004	2.404	0.001	0.997	0.004	0.997	0.001	0.997	4.648	4.648
14	T(L=16) + HB1	-0.001	-0.936	-0.009	-6.839	-0.001	-6.839	-0.009	-6.839	-25.398	-25.398
15	T(L=21) + HB1	0.005	5.812	0.007	5.290	0.005	5.290	0.007	5.290	19.149	19.149
16	T(L=26) + HB1	-0.004	-2.553	-0.012	-8.453	-0.004	-8.453	-0.012	-8.453	-32.919	-32.919
17	T(L=6) + HB2	0.002	1.470	0.008	7.838	0.002	7.838	0.008	7.838	20.876	20.876
18	T(L=11) + HB2	-0.003	-2.022	-0.011	-6.203	-0.003	-6.203	-0.011	-6.203	-30.056	-30.056
19	T(L=16) + HB2	0.002	1.469	0.008	7.836	0.002	7.836	0.008	7.836	22.436	22.436
20	T(L=21) + HB2	-0.003	-1.962	-0.011	-6.202	-0.003	-6.202	-0.011	-6.202	-30.046	-30.046
21	T(L=26) + HB2	0.002	1.469	0.008	7.836	0.002	7.836	0.008	7.836	22.431	22.431
		0.003	3.216	0.008	8.453	0.003	8.453	0.008	8.453	32.919	32.919
		0.009	8.216	0.006	6.289	0.009	6.289	0.006	6.289	23.807	23.807
		0.004	4.726	0.008	4.654	0.004	4.654	0.008	4.654	16.187	16.187
		0.009	8.217	0.006	6.287	0.009	6.287	0.006	6.287	23.798	23.798
		0.004	4.766	0.008	4.653	0.004	4.653	0.008	4.653	16.182	16.182
		0.009	8.217	0.006	6.287	0.009	6.287	0.006	6.287	23.798	23.798
		0.004	4.766	0.008	4.636	0.004	4.636	0.008	4.636	16.104	16.104
		0.009	8.217	0.006	6.287	0.009	6.287	0.006	6.287	23.798	23.798
		0.004	4.766	0.008	4.651	0.004	4.651	0.008	4.651	16.173	16.173

NO.	LOAD NAME	Q-Z (T)		M-Y (T, M)		Q-Z (T)		M-Y (T, M)		Q-Z (T)	
		16 - 27	27 - 10	27 - 16	27 - 38	27 - 38	27 - 38	38 - 27	38 - 27	38 - 27	38 - 27
1		1.002	9.344	0.125	9.335	-1.597	9.335	-0.739	9.335	2.724	2.724
2		5.927	55.241	5.710	55.185	-6.557	55.185	-2.510	55.185	18.194	18.194
3	HA1	11.567	71.350	15.110	71.284	-13.244	71.284	39.880	71.284	16.115	16.115
4	HA2	-6.790	-13.011	-7.203	-13.012	-10.708	-13.012	-4.758	-13.012	-5.214	-5.214
5	(L=6)	10.888	66.734	15.522	66.674	-13.119	66.674	37.821	66.674	17.552	17.552
6	(L=11)	-7.639	-25.475	-6.756	-25.475	-12.478	-25.475	-31.147	-25.475	-5.613	-5.613
7	(L=16)	1.614	15.046	0.970	15.028	0.651	15.028	5.550	15.028	2.130	2.130
8	(L=21)	-0.970	9.034	-1.925	9.034	-2.598	9.034	-6.271	9.034	-0.651	-0.651
9	(L=26)	1.000	9.318	0.636	9.307	0.527	9.307	3.374	9.307	1.353	1.353
10	H81	-0.636	-5.919	-1.481	-5.919	-1.974	-5.919	-3.803	-5.919	-0.527	-0.527
11	H82	0.997	9.298	0.637	9.287	0.653	9.287	3.300	9.287	1.369	1.369
12	T(L=6) + H81	-0.637	-5.935	-1.481	-5.929	-2.037	-5.929	-3.779	-5.929	-0.653	-0.653
13	T(L=11) + H81	-0.676	-6.091	-1.481	-6.085	-2.161	-6.085	-3.779	-6.085	-0.685	-0.685
14	T(L=16) + H81	0.997	9.298	0.639	9.287	0.647	9.287	3.300	9.287	1.409	1.409
15	T(L=21) + H81	-0.664	-5.954	-1.481	-5.948	-2.079	-5.948	-3.779	-5.948	-0.647	-0.647
16	T(L=26) + H81	3.928	37.854	-0.099	37.815	-2.522	37.815	14.066	37.815	6.483	6.483
17	T(L=6) + H82	3.675	27.297	0.616	27.272	-3.098	27.272	1.806	27.272	6.643	6.643
18	T(L=11) + H82	3.090	28.899	0.871	28.843	-1.871	28.843	19.616	28.843	8.613	8.613
19	T(L=16) + H82	3.060	28.781	-2.025	28.781	-5.120	28.781	7.795	28.781	5.832	5.832
20	T(L=21) + H82	3.425	47.172	0.536	47.122	-1.995	47.122	17.440	47.122	7.836	7.836
21	T(L=26) + H82	3.058	31.928	-1.580	31.897	-4.496	31.897	10.264	31.897	5.956	5.956
		3.424	47.152	0.537	47.103	-1.868	47.103	17.366	47.103	7.852	7.852
		3.058	31.919	-1.580	31.886	-4.559	31.886	10.287	31.886	5.830	5.830
		3.384	47.152	0.554	47.103	-1.836	47.103	17.366	47.103	7.951	7.951
		3.058	31.762	-1.580	31.730	-4.683	31.730	10.287	31.730	5.798	5.798
		3.397	47.152	0.539	47.103	-1.874	47.103	17.366	47.103	7.892	7.892
		4.542	31.900	-1.580	31.867	-4.601	31.867	10.287	31.867	5.836	5.836
		1.958	42.343	1.567	42.300	-2.447	42.300	7.356	42.300	8.773	8.773
		3.928	18.251	-1.309	18.237	-5.696	18.237	-4.465	18.237	5.992	5.992
		2.293	36.615	1.252	36.579	-2.572	36.579	5.179	36.579	7.996	7.996
		3.926	21.371	-0.865	21.353	-5.073	21.353	-1.997	21.353	6.116	6.116
		2.292	36.595	1.253	36.559	-2.445	36.559	5.105	36.559	8.012	8.012
		3.926	21.362	-0.865	21.343	-5.136	21.343	-1.973	21.343	5.990	5.990
		2.252	36.595	1.270	36.559	-2.413	36.559	5.105	36.559	8.111	8.111
		3.926	21.206	-0.865	21.187	-5.260	21.187	-1.973	21.187	5.958	5.958
		2.264	36.595	1.255	36.559	-2.451	36.559	5.105	36.559	8.052	8.052
			21.345	-0.865	21.324	-5.177	21.324	-1.973	21.324	5.996	5.996

NO.	LOAD NAME	M-Y(T,M) 38 - 49	Q-Z(T) 38 - 49	M-Y(T,M) 49 - 60	Q-Z(T) 49 - 60	M-Y(T,M) 60 - 49
1		-0.739	-2.724	-16.068	3.852	3.857
2		-2.510	-18.194	-114.456	29.830	-2.306
3	H A1	39.880	5.214	3.117	24.710	1.053
4	H A2	-4.758	-16.115	-47.407	-1.423	-31.027
5	(L=6)	37.821	5.613	4.821	25.416	37.722
6	(L=11)	-31.147	-17.537	-75.337	-1.988	-30.959
7	(L=16)	5.550	0.651	1.437	2.130	5.548
8	(L=21)	-6.271	-2.120	-4.918	-0.651	-6.232
9	(L=26)	3.374	0.527	1.244	1.353	1.364
10	H B1	-3.803	-1.353	-4.265	-0.527	-3.779
11	H B2	3.300	0.653	1.796	1.377	3.300
12	T(L=6) + H B1	-3.779	-1.369	-6.150	-0.653	-3.756
13	T(L=11) + H B1	3.300	0.685	1.939	1.477	3.300
14	T(L=16) + H B1	-3.779	-1.468	-6.633	-0.685	-3.756
15	T(L=21) + H B1	3.300	0.647	1.201	1.409	3.300
16	T(L=26) + H B1	-3.779	-1.409	-6.647	-0.647	-3.756
17	T(L=6) + H B2	14.066	-6.483	-22.634	9.261	1.336
18	T(L=11) + H B2	1.806	-6.643	-34.668	9.004	-16.387
19	T(L=16) + H B2	19.616	-5.832	-21.197	11.391	-5.040
20	T(L=21) + H B2	7.795	-8.613	-27.551	8.610	-10.839
21	T(L=26) + H B2	17.440	-5.956	-21.390	10.614	-22.619
22		10.264	-7.836	-26.898	8.734	-13.016
23		17.366	-5.830	-20.837	10.630	-20.166
24		10.287	-7.852	-28.784	8.608	-13.086
25		17.366	-5.798	-20.695	10.729	-20.142
26		10.287	-7.951	-29.266	8.576	-13.086
27		17.366	-5.836	-21.432	10.670	-20.142
28		10.287	-7.892	-26.773	8.614	-13.086
29		7.356	-5.992	-33.231	11.134	-20.142
30		-4.465	-8.773	-39.586	8.353	0.507
31		5.179	-6.116	-33.425	10.358	-1.273
32		-1.997	-7.996	-38.933	8.476	-1.669
33		5.105	-5.990	-32.872	10.373	-8.819
34		-1.973	-8.012	-40.819	8.351	-1.740
35		5.105	-5.958	-32.729	10.473	-8.796
36		-1.973	-6.111	-41.301	8.319	-1.740
37		5.105	-5.996	-33.467	10.413	-8.839
38		-1.973	-6.052	-38.808	8.357	-1.740
39						-8.796

** UHURU BRIDGE **

NO.	LOAD NAME	Q-Z(T) 60 - 49	M-Y(T,M) 60 - 71	Q-Z(T) 60 - 71	M-Y(T,M) 71 - 60	Q-Z(T) 71 - 60	M-Y(T,M) 71 - 82	Q-Z(T) 71 - 82
1		-2.729	-0.704	2.729	9.392	-1.602	9.384	0.121
2		-18.221	-2.306	18.221	55.515	-6.584	55.461	5.691
3	HA1	1.006	1.053	3.932	1.609	1.006	1.609	2.057
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
4	HA2	-3.932	-31.027	-1.006	-19.208	-3.932	-19.185	-0.173
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
5	(L=6)	5.616	37.722	17.568	66.843	13.117	66.782	15.516
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
6		-17.568	-30.959	-5.616	-25.449	-12.500	-25.429	-6.759
7		0.663	5.548	2.147	15.194	0.663	15.091	0.972
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
8	(L=11)	-2.147	-6.232	-0.663	-9.073	-2.618	-9.064	-1.931
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
9	(L=16)	0.536	3.371	1.364	9.337	0.536	9.349	0.636
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
10	(L=21)	-1.364	-3.779	-0.536	-5.941	-2.063	-5.935	-1.518
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
11	(L=26)	0.660	3.300	1.377	9.341	0.660	9.333	0.636
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
12	(L=31)	-1.377	-3.756	-0.660	-5.940	-2.067	-5.934	-1.518
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
13	(L=36)	0.692	3.300	1.477	9.341	0.692	9.333	0.653
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
14	(L=41)	-1.477	-3.756	-0.692	-6.093	-2.177	-6.088	-1.518
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
15	(L=46)	0.654	3.300	1.417	9.341	0.654	9.333	0.638
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
16	(L=51)	-1.417	-3.756	-0.654	-5.956	-2.097	-5.950	-1.518
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
17	(L=56)	1.356	-16.387	1.356	-10.156	-1.356	-10.142	1.088
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
18	(L=61)	-5.169	-5.040	5.169	13.555	-2.808	13.544	0.909
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
19	(L=66)	0.673	-10.839	3.483	4.947	-0.673	4.948	2.059
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
20	(L=71)	-3.483	-22.619	0.673	-19.229	-3.955	-19.207	-0.844
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
21	(L=76)	-0.800	-13.016	2.700	-0.800	-0.800	-0.794	1.724
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
22	(L=81)	2.700	-20.166	0.800	-16.097	-3.400	-16.078	-0.430
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
23	(L=86)	-0.676	-13.086	2.714	-0.815	-0.676	-0.809	1.724
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
24	(L=91)	-2.714	-20.142	0.676	-16.096	-3.403	-16.076	-0.431
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
25	(L=96)	0.645	-13.086	2.813	-0.815	-0.645	-0.809	1.740
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
26	(L=101)	-2.813	-20.142	0.645	-16.250	-3.513	-16.230	-0.431
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
27	(L=106)	0.682	-13.086	2.753	-0.815	-0.682	-0.809	1.726
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
28	(L=111)	-2.753	-20.142	0.682	-16.112	-3.433	-16.092	-0.431
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
29	(L=116)	4.506	0.507	7.316	28.659	2.145	28.634	1.881
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
30	(L=121)	-7.316	-11.273	4.506	4.482	-3.426	4.480	-1.022
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
31	(L=126)	-4.633	-11.669	6.533	22.912	-2.272	22.892	1.546
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
32	(L=131)	-6.533	-8.819	4.633	7.614	-4.871	7.609	-0.609
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
33	(L=136)	-4.509	-1.740	6.546	22.896	-2.148	22.877	1.545
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
34	(L=141)	-6.546	-6.796	4.509	7.615	-4.875	7.610	-0.609
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
35	(L=146)	-4.477	-1.740	6.646	22.896	-2.116	22.877	1.562
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
36	(L=151)	-8.646	-8.796	4.477	7.462	-4.985	7.456	-0.609
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
37	(L=156)	-4.515	-1.740	6.586	22.896	-2.154	22.877	1.547
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
38	(L=161)	-6.586	-8.796	4.515	7.599	-4.905	7.594	-0.609
		(+)	(+)	(+)	(+)	(+)	(+)	(+)

NO.	LOAD NAME	M-Y(T,M)		Q-ZC(T)		S-ZC(T)		M-Y(T,M)		Q-ZC(T)		M-Y(T,M)	
		82	71	82	71	82	71	93	82	93	82	93	82
1		7.321	1.006	7.321	1.006	-1.006	0.002	2.133	0.002	2.133	-0.005	0.001	0.001
2		54.866	5.946	54.866	5.946	-5.946	0.018	17.583	0.018	17.583	-0.019	0.001	0.001
3	HAT	0.805	0.173	0.805	0.173	2.057	0.000	0.173	0.000	0.173	0.001	0.001	0.001
4	HA2	-9.594	-2.057	-9.594	-2.057	-0.173	-0.019	-2.057	-0.019	-2.057	-0.022	0.003	0.003
5	(L=6)	58.323	10.902	58.323	10.902	7.828	0.019	19.311	0.019	19.311	-0.020	0.001	0.001
6	(L=11)	-10.922	-7.828	-10.922	-7.828	-10.902	-0.004	-2.342	-0.004	-2.342	-0.001	0.001	0.001
7	(L=16)	7.547	1.618	7.547	1.618	0.972	0.003	1.618	0.003	1.618	-0.001	0.001	0.001
8	(L=21)	-4.533	-0.972	-4.533	-0.972	-1.618	-0.002	-0.972	-0.002	-0.972	-0.001	0.001	0.001
9	(L=26)	4.675	1.002	4.675	1.002	0.636	0.002	1.002	0.002	1.002	-0.001	0.001	0.001
10	HB1	-2.968	-0.636	-2.968	-0.636	-1.002	-0.001	-0.636	-0.001	-0.636	-0.001	0.001	0.001
11	HB2	4.667	1.001	4.667	1.001	0.636	0.002	1.001	0.002	1.001	-0.001	0.001	0.001
12	T(L=6) + HB1	-2.067	-0.636	-2.067	-0.636	-1.001	-0.001	-0.636	-0.001	-0.636	-0.001	0.001	0.001
13	T(L=11) + HB1	4.667	1.001	4.667	1.001	0.633	0.002	1.001	0.002	1.001	-0.001	0.001	0.001
14	T(L=16) + HB1	-3.044	-0.653	-3.044	-0.653	-1.001	-0.001	-0.653	-0.001	-0.653	-0.001	0.001	0.001
15	T(L=21) + HB1	4.667	1.001	4.667	1.001	0.662	0.002	1.001	0.002	1.001	-0.001	0.001	0.001
16	T(L=26) + HB1	-2.976	-0.662	-2.976	-0.662	-1.001	-0.001	-0.658	-0.001	-0.658	-0.001	0.001	0.001
17	T(L=6) + HB2	-5.072	-1.088	-5.072	-1.088	1.088	-0.002	-1.088	-0.002	-1.088	-0.008	0.008	0.008
18	T(L=11) + HB2	12.278	1.452	12.278	1.452	-1.452	0.004	3.812	0.004	3.812	-0.005	0.005	0.005
19	T(L=16) + HB2	2.475	0.531	2.475	0.531	2.059	0.001	0.531	0.001	0.531	-0.006	0.006	0.006
20	T(L=21) + HB2	-9.605	-2.059	-9.605	-2.059	-0.531	-0.003	-2.059	-0.003	-2.059	-0.009	0.009	0.009
21	T(L=26) + HB2	-0.397	-0.085	-0.397	-0.085	1.724	-0.000	-0.085	-0.000	-0.085	-0.007	0.007	0.007
		-8.040	-1.724	-8.040	-1.724	0.085	0.003	-1.724	0.003	-1.724	-0.008	0.008	0.008
		-0.405	-0.087	-0.405	-0.087	1.724	-0.000	-0.087	-0.000	-0.087	-0.007	0.007	0.007
		-8.039	-1.724	-8.039	-1.724	0.087	0.003	-1.724	0.003	-1.724	-0.008	0.008	0.008
		-0.405	-0.087	-0.405	-0.087	1.741	-0.000	-0.087	-0.000	-0.087	-0.007	0.007	0.007
		-8.116	-1.741	-8.116	-1.741	0.087	0.003	-1.740	0.003	-1.740	-0.008	0.008	0.008
		-0.405	-0.087	-0.405	-0.087	1.750	-0.000	-0.087	-0.000	-0.087	-0.007	0.007	0.007
		-8.048	-1.750	-8.048	-1.750	0.087	0.003	-1.726	0.003	-1.726	-0.008	0.008	0.008
		19.825	3.070	19.825	3.070	-0.480	0.007	5.431	0.007	5.431	-0.004	0.004	0.004
		7.745	0.480	7.745	0.480	-3.070	0.003	2.841	0.003	2.841	-0.006	0.006	0.006
		16.953	2.455	16.953	2.455	-0.816	0.006	3.815	0.006	3.815	-0.005	0.005	0.005
		9.310	0.816	9.310	0.816	-2.455	0.003	3.176	0.003	3.176	-0.006	0.006	0.006
		16.946	2.453	16.946	2.453	-0.816	0.006	4.813	0.006	4.813	-0.005	0.005	0.005
		9.311	0.816	9.311	0.816	-2.453	0.003	3.176	0.003	3.176	-0.006	0.006	0.006
		16.946	2.453	16.946	2.453	-0.799	0.006	4.813	0.006	4.813	-0.005	0.005	0.005
		9.234	0.799	9.234	0.799	-2.453	0.003	3.160	0.003	3.160	-0.006	0.006	0.006
		16.946	2.453	16.946	2.453	-0.790	0.006	4.813	0.006	4.813	-0.005	0.005	0.005
		9.303	0.790	9.303	0.790	-2.453	0.003	3.174	0.003	3.174	-0.006	0.006	0.006

NO.	LOAD NAME	Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)	
		6	17	17	6	17	6	17	17	6	17	6	17
1		6.239	17.634	14.150	0.167	0.167	14.150	-0.167	14.150	5.996	5.996	5.996	5.996
2		17.634	55.068	55.068	-5.996	-5.996	55.068	5.996	55.068	11.682	11.682	11.682	11.682
3	HA1	(+)	62.851	62.851	-11.682	-11.682	62.851	11.682	62.851	15.289	15.289	15.289	15.289
4	HA2	(+)	19.360	58.622	58.622	7.816	7.816	10.967	10.967	15.493	15.493	15.493	15.493
5	(L=6)	(+)	2.346	-10.932	-10.932	-10.967	-10.967	-7.816	-7.816	-6.808	-6.808	-6.808	-6.808
6	(L=11)	(+)	0.587	2.737	2.737	0.750	0.750	0.587	0.587	0.851	0.851	0.851	0.851
7	(L=16)	(+)	0.376	0.496	0.496	0.496	0.496	0.376	0.376	3.508	3.508	3.508	3.508
8	(L=21)	(+)	0.496	-2.314	-2.314	-0.376	-0.376	-0.496	-0.496	-0.553	-0.553	-0.553	-0.553
9	(L=26)	(+)	0.385	1.794	1.794	0.519	0.519	0.385	0.385	3.588	3.588	3.588	3.588
10	HB1	(+)	0.519	-2.417	-2.417	-0.385	-0.385	-0.519	-0.519	-0.562	-0.562	-0.562	-0.562
11	HB2	(+)	0.385	1.794	1.794	0.556	0.556	0.385	0.385	3.588	3.588	3.588	3.588
12	T(L=6) + HB1	(+)	0.556	-2.590	-2.590	-0.385	-0.385	-0.556	-0.556	-5.181	-5.181	-5.181	-5.181
13	T(L=11) + HB1	(+)	0.385	1.794	1.794	0.498	0.498	0.385	0.385	3.588	3.588	3.588	3.588
14	T(L=16) + HB1	(+)	0.498	-2.321	-2.321	-0.385	-0.385	-0.498	-0.498	-4.642	-4.642	-4.642	-4.642
15	T(L=21) + HB1	(+)	3.889	22.016	22.016	-4.172	-4.172	2.950	2.950	38.892	38.892	38.892	38.892
16	T(L=26) + HB1	(+)	5.863	15.437	15.437	-2.950	-2.950	4.172	4.172	27.503	27.503	27.503	27.503
17	T(L=6) + HB2	(+)	4.526	24.753	24.753	-3.422	-3.422	4.759	4.759	44.366	44.366	44.366	44.366
18	T(L=11) + HB2	(+)	5.652	18.522	18.522	-4.759	-4.759	3.422	3.422	31.901	31.901	31.901	31.901
19	T(L=16) + HB2	(+)	4.779	23.770	23.770	-3.675	-3.675	4.548	4.548	42.400	42.400	42.400	42.400
20	T(L=21) + HB2	(+)	5.661	19.703	19.703	-4.548	-4.548	3.675	3.675	34.263	34.263	34.263	34.263
21	T(L=26) + HB2	(+)	4.757	23.810	23.810	-3.653	-3.653	4.556	4.556	42.480	42.480	42.480	42.480
		(-)	5.661	19.599	19.599	-4.556	-4.556	3.653	3.653	34.056	34.056	34.056	34.056
		(-)	4.720	23.810	23.810	-3.616	-3.616	4.556	4.556	42.480	42.480	42.480	42.480
		(-)	5.661	19.426	19.426	-4.556	-4.556	3.616	3.616	33.710	33.710	33.710	33.710
		(-)	4.778	23.810	23.810	-3.674	-3.674	4.556	4.556	42.480	42.480	42.480	42.480
		(-)	3.139	19.696	19.696	-4.556	-4.556	3.674	3.674	34.249	34.249	34.249	34.249
		(-)	4.265	18.674	18.674	-2.200	-2.200	3.537	3.537	32.977	32.977	32.977	32.977
		(-)	3.392	12.442	12.442	-3.537	-3.537	2.200	2.200	20.512	20.512	20.512	20.512
		(-)	4.273	17.691	17.691	-2.454	-2.454	3.326	3.326	31.011	31.011	31.011	31.011
		(-)	3.370	13.623	13.623	-2.454	-2.454	2.454	2.454	22.874	22.874	22.874	22.874
		(-)	4.273	17.730	17.730	-2.451	-2.451	3.335	3.335	31.091	31.091	31.091	31.091
		(-)	3.370	13.520	13.520	-3.335	-3.335	2.451	2.451	22.667	22.667	22.667	22.667
		(-)	4.273	17.730	17.730	-2.394	-2.394	3.335	3.335	31.091	31.091	31.091	31.091
		(-)	3.333	13.347	13.347	-3.335	-3.335	2.394	2.394	22.321	22.321	22.321	22.321
		(-)	4.273	17.730	17.730	-2.452	-2.452	3.335	3.335	31.091	31.091	31.091	31.091
		(-)	3.391	13.616	13.616	-3.335	-3.335	2.452	2.452	22.861	22.861	22.861	22.861

NO.	LOAD NAME	M-Y(T,M) 28 - 39	Q-Z(T) 28 - 39	M-Y(T,M) 39 - 28	Q-Z(T) 39 - 28	M-Y(T,M) 39 - 50	Q-Z(T) 39 - 50	M-Y(T,M) 50 - 39
1		-1.569	4.105	2.634	2.302	2.634	-2.302	-23.034
2		55.839	-6.053	-2.314	18.291	-2.314	-18.291	-114.726
3	HA1	72.143	13.288	39.868	16.248	39.868	5.261	3.601
4	HA2	-12.949	-10.865	-4.352	-5.261	-4.352	-16.248	-47.983
5	(L=6)	67.205	13.195	37.740	17.679	37.740	5.691	5.596
6	(L=11)	-25.329	-12.629	-50.937	-5.691	-50.937	-17.679	-75.947
7	(L=16)	5.470	1.108	3.030	0.742	3.030	0.914	2.912
8	(L=21)	-6.982	-0.897	-2.844	-0.914	-2.844	-0.742	-1.456
9	(L=26)	3.505	0.914	1.864	0.466	1.864	0.670	2.523
10	HB1	-4.623	-0.685	-1.721	-0.670	-1.721	-0.466	-1.267
11	HB2	3.585	1.095	1.869	0.466	1.869	0.851	3.654
12	T(L=6) + HB1	-4.631	-0.685	-1.701	-0.851	-1.701	-0.851	-1.829
13	T(L=11) + HB1	3.585	1.164	1.879	0.472	1.879	0.920	3.954
14	T(L=16) + HB1	-5.176	-0.710	-1.701	-0.920	-1.701	-0.472	-1.972
15	T(L=21) + HB1	3.585	0.936	1.836	0.470	1.836	0.779	2.441
16	T(L=26) + HB1	-4.637	-0.708	-1.701	-0.779	-1.701	-0.470	-1.219
17	T(L=6) + HB2	38.834	-4.684	12.248	6.258	12.248	-6.258	-19.505
18	T(L=11) + HB2	27.479	-4.715	1.113	6.124	1.113	-6.124	-29.629
19	T(L=16) + HB2	44.324	-3.575	15.278	7.000	15.278	-5.345	-16.594
20	T(L=21) + HB2	31.872	-5.581	9.405	5.345	9.405	-7.000	-20.961
21	T(L=26) + HB2	42.359	-3.770	14.112	6.725	14.112	-5.589	-16.982
22	T(L=6) + HB1	34.230	-5.369	10.527	5.589	10.527	-6.725	-20.773
23	T(L=11) + HB1	42.439	-3.589	14.118	6.725	14.118	-5.608	-15.851
24	T(L=16) + HB1	34.023	-5.369	10.547	5.408	10.547	-6.725	-21.534
25	T(L=21) + HB1	42.439	-3.520	14.128	6.731	14.128	-5.339	-15.551
26	T(L=26) + HB1	33.677	-5.594	10.547	5.339	10.547	-6.731	-21.477
27	T(L=6) + HB2	42.439	-3.747	14.085	6.729	14.085	-5.479	-17.064
28	T(L=11) + HB2	34.216	-5.392	10.547	5.479	10.547	-6.729	-20.724
29	T(L=16) + HB2	32.949	-3.607	4.143	6.866	4.143	-5.211	-26.717
30	T(L=21) + HB2	20.426	-5.613	-1.731	5.211	-1.731	-6.866	-31.085
31	T(L=26) + HB2	30.984	-3.801	2.977	6.590	2.977	-5.454	-27.106
32	T(L=6) + HB1	22.859	-5.600	-0.608	5.454	-0.608	-6.590	-30.896
33	T(L=11) + HB1	31.063	-3.620	2.982	6.590	2.982	-5.274	-25.975
34	T(L=16) + HB1	22.648	-5.600	-0.588	5.274	-0.588	-6.590	-31.457
35	T(L=21) + HB1	31.063	-3.551	2.992	6.596	2.992	-5.204	-25.675
36	T(L=26) + HB1	22.302	-5.425	-0.588	5.204	-0.588	-6.596	-31.600
37	T(L=6) + HB2	31.063	-3.779	2.949	6.594	2.949	-5.345	-27.188
38	T(L=11) + HB2	22.841	-5.423	-0.588	5.345	-0.588	-6.594	-30.847

** UHURU BRIDGE **

NO.	LOAD NAME	Q-ZC (T)		M-Y (CT, M)		Q-ZC (T)		M-Y (CT, M)		Q-ZC (T)	
		50	39	50	61	61	50	61	50	61	61
1		8.708		-23.020	8.706	2.639	-2.300	2.639	2.639	-2.300	2.300
2		29.929		-114.648	29.920	-2.274	-18.283	-2.274	-2.274	-18.283	18.283
3	HA1	24.827	(+)	3.599	10.274	0.962	1.054	0.962	0.962	1.054	3.960
4	HA2	-1.475	(-)	-47.954	-1.054	-31.276	-3.960	-31.276	-31.276	-3.960	-1.054
5	(L=6)	25.527	(+)	5.593	25.520	37.793	5.696	37.793	37.793	5.696	17.671
6	(L=11)	-2.072	(-)	-75.900	-2.072	-30.974	-17.671	-30.974	-30.974	-17.671	-5.696
7	(L=16)	0.914	(+)	-1.455	-0.914	3.041	0.911	3.041	3.041	0.911	0.745
8	(L=21)	0.466	(+)	2.521	0.469	-2.844	-0.745	-2.844	-2.844	-0.745	-0.911
9	(L=26)	-0.670	(-)	-1.266	-0.670	1.871	0.670	1.871	1.871	0.670	0.469
10	H61	0.466	(+)	3.651	0.469	-1.722	-0.469	-1.722	-1.722	-0.469	-0.670
11	H62	-0.851	(-)	-1.827	-0.851	1.878	0.851	1.878	1.878	0.851	0.469
12	T(L=6) + H61	0.472	(+)	-1.827	-0.851	-1.701	-0.469	-1.701	-1.701	-0.469	-0.851
13	T(L=11) + H61	0.920	(+)	3.951	0.919	1.888	0.919	1.888	1.888	0.919	0.474
14	T(L=16) + H61	0.470	(+)	-1.970	-0.919	-1.701	-0.474	-1.701	-1.701	-0.474	-0.919
15	T(L=21) + H61	-0.779	(-)	2.439	0.472	1.845	0.778	1.845	1.845	0.778	0.472
16	T(L=26) + H61	7.363	(+)	-1.218	-0.778	-1.701	-0.472	-1.701	-1.701	-0.472	-0.778
17	T(L=6) + H62	7.063	(+)	-19.491	-0.915	-15.226	-0.915	-15.226	-15.226	-0.915	0.915
18	T(L=11) + H62	8.104	(+)	-29.608	5.649	-5.458	-7.710	-5.458	-5.458	-7.710	4.710
19	T(L=16) + H62	6.443	(+)	-16.582	1.660	-12.186	-0.003	-12.186	-12.186	-0.003	1.660
20	T(L=21) + H62	7.829	(+)	-20.946	0.003	-18.071	-1.660	-18.071	-18.071	-1.660	0.003
21	T(L=26) + H62	6.693	(+)	-16.970	1.383	-13.356	-0.245	-13.356	-13.356	-0.245	1.383
22	T(L=6) + H61	7.829	(+)	-20.758	0.245	-16.948	-1.383	-16.948	-16.948	-1.383	0.245
23	T(L=11) + H61	6.512	(+)	-15.840	1.383	-13.348	-0.064	-13.348	-13.348	-0.064	1.383
24	T(L=16) + H61	7.835	(+)	-21.318	0.064	-16.927	-1.383	-16.927	-16.927	-1.383	0.064
25	T(L=21) + H61	6.443	(+)	-15.540	1.389	-13.339	-0.004	-13.339	-13.339	-0.004	1.389
26	T(L=26) + H61	7.833	(+)	-21.461	-0.004	-16.927	-1.389	-16.927	-16.927	-1.389	-0.004
27	T(L=6) + H62	6.584	(+)	-17.052	1.387	-13.382	-0.137	-13.382	-13.382	-0.137	1.387
28	T(L=11) + H62	7.804	(+)	-20.709	0.137	-16.927	-1.387	-16.927	-16.927	-1.387	0.137
29	T(L=16) + H62	6.149	(+)	-26.698	6.394	-2.418	-3.799	-2.418	-2.418	-3.799	5.455
30	T(L=21) + H62	7.529	(+)	-31.062	4.737	-8.303	-5.455	-8.303	-8.303	-5.455	3.799
31	T(L=26) + H62	6.393	(+)	-27.086	6.117	-3.588	-4.040	-3.588	-3.588	-4.040	5.179
32	T(L=6) + H61	7.529	(+)	-30.874	4.979	-7.180	-5.179	-7.180	-7.180	-5.179	4.040
33	T(L=11) + H61	6.212	(+)	-25.957	6.117	-3.580	-3.859	-3.580	-3.580	-3.859	5.179
34	T(L=16) + H61	7.535	(+)	-31.435	4.798	-7.159	-7.159	-7.159	-7.159	-7.159	3.859
35	T(L=21) + H61	6.143	(+)	-25.657	6.123	-3.571	-3.791	-3.571	-3.571	-3.791	5.184
36	T(L=26) + H61	7.533	(+)	-31.576	4.730	-7.159	-5.184	-7.159	-7.159	-5.184	3.791
37	T(L=6) + H62	6.284	(+)	-27.169	6.121	-3.614	-3.932	-3.614	-3.614	-3.932	5.182
38	T(L=11) + H62	6.284	(+)	-30.825	4.871	-7.159	-5.182	-7.159	-7.159	-5.182	3.932

** UNURU BRIDGE **

NO.	LOAD NAME	M-Y(T,M) 72 - 61	Q-Z(T)) 72 - 61	M-Y(T,M) 72 - 83	Q-Z(T)) 72 - 83	M-Y(T,M) 83 - 72	Q-Z(T)) 83 - 72	M-Y(T,M) 83 - 94
1		-1.573	4.100	-1.577	6.576	12.149	-0.170	14.149
2		55.840	-6.845	55.786	5.657	55.032	5.981	55.032
3	HA1	1.172	1.054	1.173	2.036	0.587	0.126	0.587
4	HA2	-19.014	-3.960	-18.991	-9.126	-9.497	-2.036	-9.497
5	(L=6)	67.177	13.202	67.117	15.496	58.553	10.946	58.553
6	(L=11)	-25.328	-12.022	-25.308	-6.791	-10.907	-7.815	-10.907
7	(L=16)	5.471	1.105	5.485	0.867	2.743	0.588	2.743
8	(L=21)	-6.973	-0.902	-6.967	-0.898	-3.484	-0.747	-3.484
9	(L=26)	3.514	0.906	3.510	0.628	1.755	0.376	1.755
10		-4.619	-0.710	-4.615	-0.563	-2.308	-0.495	-2.308
11		3.595	1.075	3.591	0.646	1.796	0.385	1.796
12		-4.826	-0.710	-4.822	-0.572	-2.411	-0.517	-2.411
13		3.595	1.161	3.591	0.889	1.796	0.385	1.796
14		-5.168	-0.715	-5.163	-0.572	-2.582	-0.554	-2.582
15		3.595	0.933	3.591	0.624	1.796	0.385	1.796
16		-4.629	-0.714	-4.625	-0.572	-2.313	-0.496	-2.313
17		-10.962	-0.915	-10.948	-1.174	-5.475	-1.174	-5.475
18		14.314	-3.771	14.303	-0.595	9.541	1.534	9.541
19		-5.471	0.190	-5.462	2.021	-2.732	-0.586	-2.732
20		-17.935	-1.816	-17.914	0.476	-8.959	-1.921	-8.959
21		-7.448	-0.009	-7.438	1.801	-3.719	-0.797	-3.719
22		-15.581	-1.624	-15.563	0.611	-7.783	-1.669	-7.783
23		-7.367	0.160	-7.356	1.820	-3.679	-0.789	-3.679
24		-15.788	-1.624	-15.770	0.602	-7.886	-1.691	-7.886
25		-7.367	0.247	-7.356	1.853	-3.679	-0.789	-3.679
26		-16.130	-1.630	-16.111	0.602	-8.057	-1.727	-8.057
27		-7.367	0.018	-7.356	1.797	-3.679	-0.789	-3.679
28		-15.591	-1.628	-15.573	0.602	-7.788	-1.670	-7.788
29		19.806	-2.667	19.789	0.292	12.084	2.122	12.084
30		7.342	-4.673	7.337	-1.293	5.857	0.787	5.857
31		17.828	-2.865	17.813	0.033	11.097	1.910	11.097
32		9.695	-4.481	9.688	-1.158	7.035	1.039	7.035
33		17.909	-2.697	17.895	0.051	11.137	1.919	11.137
34		9.488	-4.481	9.481	-1.167	6.930	1.017	6.930
35		17.909	-2.610	17.895	0.094	11.137	1.919	11.137
36		9.146	-4.487	9.140	-1.167	6.759	0.980	6.759
37		17.909	-2.838	17.895	0.029	11.137	1.919	11.137
38		9.685	-4.485	9.678	-1.167	7.028	1.038	7.028

NO.	LOAD NAME	Q-Z (T)	M-Y (T,M)	Q-Z (T)	M-Y (T,M)	Q-Z (T)	M-Y (T,M)	Q-Z (T)	M-Y (T,M)
		83 - 94	94 - 83	94 - 83	83 - 94	7 - 18	18 - 7	7 - 18	18 - 7
1		0.170	0.005	6.237	-0.003	2.133	7.313	-1.005	
2		-5.981	0.018	17.618	-0.019	17.581	54.822	-5.942	
3	HA1	2.036	0.000	0.126	0.001	20.645	62.298	6.795	
4	HA2	7.815	0.019	19.337	-0.022	-0.758	-3.531	-11.571	
5	(L=6)	-10.946	-0.004	-2.339	0.004	19.317	58.255	7.836	
6	(L=11)	0.747	0.001	0.588	-0.021	-2.339	-10.905	-10.858	
7	(L=16)	-0.588	0.001	-0.747	0.001	0.268	1.250	0.764	
8	(L=21)	0.495	0.001	0.376	0.001	-0.764	-3.561	-0.268	
9	(L=26)	-0.376	0.001	-0.495	0.001	0.189	0.880	0.488	
10	HB1	0.517	0.001	0.385	0.001	-0.489	-2.281	-0.189	
11	HB2	-0.385	0.001	-0.517	0.001	0.187	0.872	0.504	
12	T(L=6) + HB1	0.554	0.001	0.385	0.001	-0.504	-2.351	-0.187	
13	T(L=11) + HB1	-0.385	0.001	-0.554	0.001	0.187	0.872	0.510	
14	T(L=16) + HB1	0.496	0.001	0.385	0.001	-0.510	-2.377	-0.187	
15	T(L=21) + HB1	-0.385	0.001	-0.496	0.001	0.187	0.872	0.488	
16	T(L=26) + HB1	1.174	0.002	1.174	0.000	-2.274	-2.274	-0.187	
17	T(L=6) + HB2	-1.534	0.003	-2.471	0.006	6.211	22.474	3.432	
18	T(L=11) + HB2	0.586	0.001	0.586	0.007	4.709	16.445	-2.347	
19	T(L=16) + HB2	-0.797	0.001	-1.921	0.008	6.479	23.724	-2.668	
20	T(L=21) + HB2	0.797	0.003	1.921	0.007	5.447	18.913	-3.700	
21	T(L=26) + HB2	-1.727	0.003	-1.727	0.008	23.346	23.346	2.922	
		0.789	0.003	0.789	0.008	6.398	23.346	-2.922	
		-1.670	0.003	-1.670	0.007	5.701	20.097	3.619	
		-0.787	0.004	-0.787	0.008	6.398	23.346	-2.944	
		-2.122	0.002	-2.122	0.006	5.723	20.200	3.619	
		-1.910	0.004	-1.910	0.006	4.977	17.695	-1.583	
		-1.910	0.004	-1.910	0.006	3.945	12.884	-2.615	
		-1.919	0.004	-1.919	0.006	4.898	17.325	-1.858	
		-1.919	0.004	-1.919	0.006	4.220	14.164	-2.536	
		-1.919	0.004	-1.919	0.006	4.896	17.317	-1.843	
		-1.919	0.004	-1.919	0.006	4.205	14.094	-2.534	
		-1.919	0.004	-1.919	0.006	4.896	17.317	-1.837	
		-1.919	0.004	-1.919	0.006	4.199	14.068	-2.534	
		-1.919	0.004	-1.919	0.006	4.896	17.317	-1.859	
		-1.919	0.004	-1.919	0.006	4.221	14.171	-2.534	

NO.	LOAD NAME	M-Y(T,M) 18 - 29	Q-Z(T) 18 - 29	M-Y(T,M) 29 - 18	Q-Z(T) 29 - 18	M-Y(T,M) 29 - 40	Q-Z(T) 29 - 40	M-Y(T,M) 40 - 29
1		7.313	1.005	9.370	0.123	9.361	-1.601	-0.734
2		54.822	5.942	55.339	5.696	55.339	-6.582	-2.486
3	H A1	62.298	11.571	71.343	15.120	71.276	13.235	39.553
		-3.531	-6.795	-13.042	-7.201	-13.043	-10.739	-4.737
4	H A2	58.255	10.896	66.757	15.524	66.695	13.114	37.526
		-10.905	-7.836	-25.450	-6.757	-25.429	-12.493	-30.883
5	(L=6)	1.250	0.268	2.501	0.205	2.498	1.352	2.597
		-3.561	-0.764	-7.123	-0.293	-7.117	-0.194	-2.020
6	(L=11)	0.880	0.189	1.759	0.083	1.758	1.053	1.584
		-2.281	-0.489	-4.564	-0.232	-4.560	-0.149	-1.227
7	(L=16)	0.872	0.187	1.745	0.098	1.743	1.203	1.595
		-2.351	-0.504	-4.703	-0.231	-4.699	-0.174	-1.197
8	(L=21)	0.872	0.187	1.745	0.111	1.743	1.295	1.600
		-2.377	-0.510	-4.754	-0.231	-4.750	-0.174	-1.197
9	(L=26)	0.872	0.187	1.745	0.095	1.743	1.108	1.578
		-2.274	-0.488	-4.549	-0.231	-4.545	-0.174	-1.197
10	H B1	22.474	3.432	31.998	0.330	31.964	-1.494	13.002
11	H B2	16.445	2.347	21.882	1.199	21.860	-1.886	2.040
12	T(L=6) + H B1	23.724	3.700	34.499	1.356	34.462	-0.141	15.599
		18.913	2.668	24.875	0.238	24.847	-1.687	10.982
13	T(L=11) + H B1	23.353	3.621	33.758	1.213	33.722	-0.441	14.586
		20.193	2.943	27.435	0.398	27.404	-1.643	11.775
14	T(L=16) + H B1	23.346	3.619	33.743	1.228	33.707	-0.291	14.597
		20.123	2.928	27.295	0.300	27.265	-1.668	11.805
15	T(L=21) + H B1	23.346	3.619	33.743	1.241	33.707	-0.199	14.602
		20.097	2.922	27.244	0.300	27.214	-1.668	11.805
16	T(L=26) + H B1	23.346	3.619	33.743	1.226	33.707	-0.385	14.580
		20.200	2.944	27.449	0.300	27.419	-1.668	11.805
17	T(L=6) + H B2	17.695	2.615	24.383	2.104	24.358	-0.534	4.637
		12.884	1.583	14.758	0.906	14.743	-2.080	0.020
18	T(L=11) + H B2	17.325	2.536	23.641	1.881	23.618	-0.833	3.625
		14.164	1.858	17.318	0.966	17.301	-2.035	0.813
19	T(L=16) + H B2	17.317	2.534	23.627	1.896	23.603	-0.683	3.635
		14.094	1.843	17.179	0.968	17.162	-2.061	0.843
20	T(L=21) + H B2	17.317	2.534	23.627	1.909	23.603	-0.591	3.641
		14.068	1.837	17.128	0.968	17.110	-2.061	0.843
21	T(L=26) + H B2	17.317	2.534	23.627	1.894	23.603	-0.778	3.618
		14.171	1.859	17.315	0.968	17.315	-2.061	0.843

NO.	LOAD NAME	Q-Z (T)		M-Y (T, M)		Q-Z (T)		M-Y (T, M)		Q-Z (T)	
		40 -	29	40 -	51	51 -	40	51 -	40	51 -	51 -
1		2.729	0.734	-2.729	-16.088	3.857	-16.077	3.858			
2		18.221	-2.486	-18.221	-114.582	29.859	-114.503	29.876			
3	H A1	16.151	39.553	5.206	3.122	24.743	3.121	10.272			
4	H A2	-5.206	-4.737	-16.151	-47.931	-1.420	-4.814	-1.002			
5	(L=6)	17.572	37.526	5.609	4.816	25.432	4.814	25.435			
6	(L=11)	-5.009	-30.883	-17.572	-75.485	-1.989	-75.438	-1.980			
7	(L=16)	0.163	2.597	1.102	3.360	0.163	3.357	0.165			
8	(L=21)	-1.102	-2.020	-0.163	-0.194	-1.102	-0.194	-1.104			
9	(L=26)	0.100	1.584	0.734	2.908	0.100	2.906	0.101			
10	H B1	-0.734	-1.227	-0.100	-0.168	-0.734	-0.168	-0.734			
11	H B2	0.125	1.595	0.866	4.209	0.125	4.205	0.125			
12	T(L=6) + H B1	-0.866	-1.197	-0.125	-0.243	-0.866	-0.243	-0.867			
13	T(L=11) + H B1	0.125	1.800	0.958	4.554	0.125	4.550	0.125			
14	T(L=16) + H B1	-0.958	-1.197	-0.125	-0.262	-0.958	-0.262	-0.958			
15	T(L=21) + H B1	0.125	1.578	0.846	2.814	0.125	2.812	0.125			
16	T(L=26) + H B1	-0.846	-1.197	-0.125	-0.162	-0.846	-0.162	-0.848			
17	T(L=6) + H B2	5.456	13.002	-5.456	-18.918	8.235	-18.905	8.235			
18	T(L=11) + H B2	5.457	2.040	-5.432	-28.794	7.794	-28.774	7.794			
19	T(L=16) + H B2	5.619	15.599	-4.354	-15.558	8.398	-15.547	8.398			
20	T(L=21) + H B2	4.354	10.882	-5.619	-19.112	7.133	-19.098	7.133			
21	T(L=26) + H B2	5.556	12.586	-4.722	-16.010	8.335	-16.003	8.335			
22	T(L=6) + H B1	4.722	11.775	-5.556	-19.086	7.501	-19.073	7.501			
23	T(L=11) + H B1	5.581	14.597	-4.590	-14.709	8.360	-14.699	8.360			
24	T(L=16) + H B1	4.590	11.805	-5.581	-19.160	7.369	-19.147	7.369			
25	T(L=21) + H B1	5.581	14.602	-4.498	-14.364	8.360	-14.354	8.360			
26	T(L=26) + H B1	4.498	11.805	-5.581	-19.180	7.277	-19.167	7.277			
27	T(L=6) + H B2	5.581	14.580	-4.610	-16.104	8.360	-16.093	8.360			
28	T(L=11) + H B2	4.610	11.805	-5.581	-19.080	7.389	-19.067	7.389			
29	T(L=16) + H B2	5.595	6.637	-4.330	-25.434	7.957	-25.417	7.957			
30	T(L=21) + H B2	4.330	0.020	-5.595	-28.988	6.692	-28.988	6.692			
31	T(L=26) + H B2	5.532	5.625	-4.698	-25.886	7.894	-25.868	7.894			
32	T(L=6) + H B1	4.698	0.813	-5.532	-28.962	7.060	-28.942	7.060			
33	T(L=11) + H B1	5.557	3.635	-4.565	-24.586	7.919	-24.569	7.919			
34	T(L=16) + H B1	4.565	0.843	-5.557	-29.037	6.928	-29.016	6.928			
35	T(L=21) + H B1	5.557	3.641	-4.474	-24.240	7.919	-24.224	7.919			
36	T(L=26) + H B1	4.474	0.843	-5.557	-29.057	6.836	-29.036	6.836			
37	T(L=6) + H B2	5.557	3.618	-4.586	-25.980	7.919	-25.962	7.919			
38	T(L=11) + H B2	4.586	0.843	-5.557	-28.956	6.948	-28.936	6.948			

** UHURU BRIDGE **

NO.	LOAD NAME	M-Y(T.M)		Q-Z(T)		M-Y(T.M)		Q-Z(T)		M-Y(T.M)		Q-Z(T)	
		62	51	62	51	62	51	73	62	73	62	51	73
1		-0.714	-2.731	-0.714	-2.731	2.731	9.389	-1.603	9.381				
2		-2.329	-18.237	-2.329	-18.237	18.237	55.575	-6.599	55.521				
3	HA1	1.080	1.002	1.080	1.002	3.974	1.637	1.002	1.637				
4	HA2	-31.326	-3.974	-31.326	-3.974	-1.002	-19.291	-3.974	-19.267				
5	(L=6)	38.014	5.623	38.014	5.623	17.569	66.944	13.139	66.882				
6	(L=11)	-31.257	-17.569	-31.257	-17.569	-5.623	-25.526	-12.505	-25.505				
7	(L=16)	2.625	1.104	2.625	1.104	0.165	2.526	1.351	2.523				
8	(L=21)	-2.056	-0.165	-2.056	-0.165	-1.104	-7.160	-0.196	-7.153				
9	(L=26)	1.603	0.734	1.603	0.734	0.101	1.773	1.065	1.771				
10	HB1	-1.249	-0.101	-1.249	-0.101	-0.734	-4.580	-0.154	-4.576				
11	HB2	1.614	0.867	1.614	0.867	0.125	1.758	1.186	1.756				
12	T(L=6) + HB1	-1.217	-0.125	-1.217	-0.125	-0.867	-4.717	-0.178	-4.713				
13	T(L=11) + HB1	1.519	0.958	1.519	0.958	0.125	1.758	1.294	1.756				
14	T(L=16) + HB1	-1.217	-0.125	-1.217	-0.125	-0.958	-4.767	-0.178	-4.763				
15	T(L=21) + HB1	1.596	0.848	1.596	0.848	0.125	1.758	1.107	1.756				
16	T(L=26) + HB1	-1.217	-0.125	-1.217	-0.125	-0.848	-4.566	-0.178	-4.562				
17	T(L=6) + HB2	-14.784	-0.884	-14.784	-0.884	0.884	-10.663	-0.884	-10.650				
18	T(L=11) + HB2	-4.151	-4.100	-4.151	-4.100	4.100	9.459	-1.738	9.451				
19	T(L=16) + HB2	-12.158	0.220	-12.158	0.220	1.049	-8.137	0.467	-8.126				
20	T(L=21) + HB2	-16.839	-1.049	-16.839	-1.049	-0.220	-17.823	-1.079	-17.802				
21	T(L=26) + HB2	-13.181	-0.150	-13.181	-0.150	0.985	-8.890	0.182	-8.878				
22	T(L=6) + HB1	-16.033	-0.985	-16.033	-0.985	0.150	-15.244	-1.037	-15.225				
23	T(L=11) + HB1	-13.170	-0.917	-13.170	-0.917	1.009	-8.906	0.302	-8.894				
24	T(L=16) + HB1	-16.001	-1.009	-16.001	-1.009	0.017	-15.381	-1.061	-15.362				
25	T(L=21) + HB1	-13.165	0.074	-13.165	0.074	1.009	-8.906	0.410	-8.894				
26	T(L=26) + HB1	-16.001	-1.009	-16.001	-1.009	-0.074	-15.431	-1.061	-15.412				
27	T(L=6) + HB2	-13.188	-0.036	-13.188	-0.036	1.009	-8.906	0.223	-8.894				
28	T(L=11) + HB2	-16.001	-1.009	-16.001	-1.009	0.036	-15.230	-1.061	-15.212				
29	T(L=16) + HB2	-1.525	-2.996	-1.525	-2.996	4.265	11.985	-0.387	11.974				
30	T(L=21) + HB2	-6.206	-4.265	-6.206	-4.265	2.996	-2.299	-1.933	-2.298				
31	T(L=26) + HB2	-2.548	-3.506	-2.548	-3.506	3.201	11.232	-0.673	11.222				
32	T(L=6) + HB1	-5.400	-4.201	-5.400	-4.201	3.366	4.879	-1.891	4.875				
33	T(L=11) + HB1	-2.537	-3.233	-2.537	-3.233	4.225	11.216	-0.552	11.206				
34	T(L=16) + HB1	-5.368	-4.225	-5.368	-4.225	3.233	4.742	-1.915	4.738				
35	T(L=21) + HB1	-2.532	-3.142	-2.532	-3.142	4.225	11.216	-0.444	11.206				
36	T(L=26) + HB1	-3.368	-4.225	-3.368	-4.225	3.142	4.692	-1.915	4.688				
37	T(L=6) + HB2	-2.555	-3.252	-2.555	-3.252	4.225	11.216	-0.631	11.206				
38	T(L=11) + HB2	-5.368	-4.225	-5.368	-4.225	3.252	4.892	-1.915	4.889				

NO.	LOAD NAME	Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)	
		73	84	84	73	84	95	84	95	84	95
1		0.122	7.321	1.006	1.006	7.321	-1.006	0.002	0.002	2.133	2.133
2		5.687	54.904	5.952	5.952	54.904	-5.952	0.018	0.018	17.990	17.990
3	HA1	2.066	0.819	0.176	0.176	0.819	2.066	0.000	0.000	0.176	0.176
4	HA2	-0.176	-9.635	-2.066	-2.066	-9.635	-0.176	0.004	0.004	-2.066	-2.066
5	(L=6)	15.526	58.365	10.910	10.910	58.365	7.857	0.019	0.019	19.320	19.320
6	(L=11)	-6.768	-10.955	-7.837	-7.837	-10.955	-10.910	0.004	0.004	-2.349	-2.349
7	(L=16)	0.907	1.262	0.271	0.271	1.262	0.767	0.000	0.000	0.271	0.271
8	(L=21)	-0.295	-3.577	-0.767	-0.767	-3.577	-0.271	0.000	0.000	-0.767	-0.767
9	(L=26)	0.701	0.886	0.190	0.190	0.886	0.491	0.000	0.000	0.190	0.190
10	HB1	-0.235	-2.288	-0.491	-0.491	-2.288	-0.190	0.000	0.000	-0.491	-0.491
11	HB2	0.716	0.878	0.188	0.188	0.878	0.505	0.000	0.000	0.188	0.188
12	T(L=6) + HB1	-0.234	-2.357	-0.505	-0.505	-2.357	-0.188	0.001	0.001	-0.505	-0.505
13	T(L=11) + HB1	0.725	0.878	0.188	0.188	0.878	0.511	0.000	0.000	0.188	0.188
14	T(L=16) + HB1	-0.234	-2.582	-0.511	-0.511	-2.582	-0.188	0.000	0.000	-0.511	-0.511
15	T(L=21) + HB1	0.700	0.878	0.188	0.188	0.878	0.489	0.000	0.000	0.188	0.188
16	T(L=26) + HB1	-0.234	-2.281	-0.489	-0.489	-2.281	-0.188	0.001	0.001	-0.489	-0.489
17	T(L=6) + HB2	1.142	5.326	1.142	1.142	5.326	1.142	0.002	0.002	3.374	3.374
18	T(L=11) + HB2	1.349	10.234	1.013	1.013	10.234	1.013	0.003	0.003	3.374	3.374
19	T(L=16) + HB2	2.049	4.064	0.871	0.871	4.064	1.909	0.001	0.001	0.871	0.871
20	T(L=21) + HB2	0.847	8.903	1.909	1.909	8.903	0.871	0.003	0.003	1.909	1.909
21	T(L=26) + HB2	1.843	4.440	0.952	0.952	4.440	1.632	0.001	0.001	0.952	0.952
22	T(L=6) + HB1	0.907	7.614	1.632	1.632	7.614	0.952	0.002	0.002	1.632	1.632
23	T(L=11) + HB1	1.858	4.448	0.954	0.954	4.448	1.647	0.001	0.001	0.954	0.954
24	T(L=16) + HB1	0.908	7.682	1.647	1.647	7.682	0.954	0.003	0.003	1.647	1.647
25	T(L=21) + HB1	1.865	4.448	0.954	0.954	4.448	1.652	0.001	0.001	0.954	0.954
26	T(L=26) + HB1	0.908	7.707	1.652	1.652	7.707	0.954	0.003	0.003	1.652	1.652
27	T(L=6) + HB2	1.842	4.448	0.954	0.954	4.448	1.631	0.001	0.001	0.954	0.954
28	T(L=11) + HB2	2.256	11.496	1.284	1.284	11.496	0.954	0.004	0.004	1.631	1.631
29	T(L=16) + HB2	1.054	6.657	0.246	0.246	6.657	0.266	0.002	0.002	3.645	3.645
30	T(L=21) + HB2	2.050	11.120	1.203	1.203	11.120	1.284	0.004	0.004	2.607	2.607
31	T(L=26) + HB2	1.114	7.946	0.522	0.522	7.946	0.522	0.003	0.003	3.564	3.564
32	T(L=6) + HB1	2.065	11.112	1.201	1.201	11.112	1.203	0.004	0.004	2.884	2.884
33	T(L=11) + HB1	1.115	7.877	0.508	0.508	7.877	0.508	0.003	0.003	3.562	3.562
34	T(L=16) + HB1	2.072	11.112	1.201	1.201	11.112	1.201	0.004	0.004	2.869	2.869
35	T(L=21) + HB1	1.115	7.852	0.502	0.502	7.852	0.502	0.003	0.003	3.562	3.562
36	T(L=26) + HB1	2.049	11.112	1.201	1.201	11.112	1.201	0.004	0.004	2.862	2.862
37	T(L=6) + HB2	1.115	7.952	0.524	0.524	7.952	0.524	0.003	0.003	3.562	3.562
38	T(L=11) + HB2										
39	T(L=16) + HB2										
40	T(L=21) + HB2										
41	T(L=26) + HB2										

NO.	LOAD NAME	M-Y(T,M) 8 - 19	Q-ZC(T) 8 - 19	M-Y(T,M) 19 - 8	Q-ZC(T) 19 - 8	M-Y(T,M) 19 - 30	Q-ZC(T) 19 - 30	M-Y(T,M) 30 - 19
1		-0.003	2.175	7.287	-0.951	7.287	0.931	8.871
2		-0.019	17.663	55.211	-6.024	55.211	6.024	56.763
3	HAT1	0.001	20.649	62.322	6.838	62.322	11.573	71.278
4	HAT2	-0.022	-0.813	-3.792	-11.573	-3.792	-6.838	-13.856
5	(L=6)	0.004	19.371	58.517	7.967	58.517	10.949	67.174
6	(L=11)	-0.021	-2.283	-11.573	-10.949	-11.573	-7.967	-26.166
7	(L=16)	0.001	0.257	1.196	0.766	1.196	0.257	2.592
8	(L=21)	-0.000	-0.766	-3.571	-0.257	-3.571	-0.766	-7.143
9	(L=26)	0.001	0.481	0.833	0.179	0.833	0.167	1.667
10	HB1	-0.000	-0.481	-2.244	-0.179	-2.244	-0.481	-4.489
11	HB2	0.001	0.168	0.785	0.491	0.785	0.168	1.570
12	T(L=6) + HB1	-0.000	-0.491	-2.288	-0.168	-2.288	-0.491	-4.577
13	T(L=11) + HB1	0.001	0.168	0.785	0.501	0.785	0.168	1.570
14	T(L=16) + HB1	-0.001	-0.494	-2.303	-0.168	-2.303	-0.494	-4.607
15	T(L=21) + HB1	0.001	0.168	0.785	0.498	0.785	0.168	1.570
16	T(L=26) + HB1	-0.008	-0.490	-2.285	-0.168	-2.285	-0.498	-4.571
17		-0.006	6.214	21.943	-3.200	21.943	3.200	29.839
18		-0.006	4.736	16.104	-2.174	16.104	2.174	20.267
19		-0.008	6.471	23.139	-2.434	23.139	2.434	32.231
20		-0.008	5.446	18.373	-3.457	18.373	2.434	22.696
21		-0.007	6.393	22.777	-2.719	22.777	3.379	31.506
22		-0.008	5.733	19.699	-3.379	19.699	2.719	25.350
23		-0.007	6.583	22.728	-2.709	22.728	3.369	31.409
24		-0.008	5.723	19.655	-3.369	19.655	2.709	25.262
25		-0.007	6.583	22.728	-2.699	22.728	3.369	31.409
26		-0.008	5.720	19.640	-3.369	19.640	2.699	25.232
27		-0.007	6.583	22.728	-2.703	22.728	3.369	31.409
28		-0.008	5.724	19.658	-3.369	19.658	2.703	25.268
29		-0.004	4.992	17.300	-1.408	17.300	2.430	22.660
30		-0.006	3.970	12.534	-2.430	12.534	1.408	13.124
31		-0.003	4.914	16.938	-1.692	16.938	2.352	21.934
32		-0.006	4.254	13.860	-2.352	13.860	1.692	15.778
33		-0.003	4.904	16.889	-1.683	16.889	2.342	21.837
34		-0.005	4.245	13.816	-2.342	13.816	1.683	15.690
35		-0.005	4.904	16.889	-1.673	16.889	2.342	21.837
36		-0.006	4.242	13.801	-2.342	13.801	1.673	15.661
37		-0.005	4.904	16.889	-1.676	16.889	2.342	21.837
38		-0.006	4.245	13.819	-2.342	13.819	1.676	15.696

NO.	LOAD NAME	Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		
		30	19	30	41	30	41	41	30	41	30	41	41	52
1		0.272		8.863		-1.422		-0.620		2.645		-2.645		-2.645
2		5.616		56.106		-6.741		3.963		18.380		-18.380		5.225
3	HA1	15.173	(+)	71.210		13.250		39.963		16.055		-16.055		-16.055
4	HA2	-7.196	(-)	-13.457		-10.640		-5.056		-5.225		5.553		5.553
5		15.665	(+)	67.110		13.053		38.146		17.457		-17.457		-17.457
6		-6.804	(-)	-26.743		-12.375		-31.371		5.553		-5.553		1.094
7	(L=6)	0.914	(+)	2.390		1.334		2.647		0.027		-0.027		-0.027
8		-0.257	(-)	-7.136		-0.027		-2.037		-1.094		0.713		0.713
9	(L=11)	0.698	(+)	1.665		1.032		1.601		0.058		-0.058		-0.058
10		-0.179	(-)	-4.485		-0.058		-1.241		-0.713		0.765		0.765
11	(L=16)	0.708	(+)	1.568		1.107		1.599		0.077		-0.077		-0.077
12		-0.168	(-)	-4.573		-0.077		-1.209		-0.765		0.846		0.846
13	(L=21)	0.711	(+)	1.568		1.201		1.599		0.077		-0.077		-0.077
14		-0.168	(-)	-4.603		-0.077		-1.209		-0.846		0.766		0.766
15	(L=26)	0.711	(+)	1.568		1.090		1.599		0.077		-0.077		-0.077
16		-0.168	(-)	-4.567		-0.077		-1.209		-0.766		0.846		0.846
17	HB1	1.097	(+)	29.806		0.837		12.893		5.134		-5.134		-5.134
18		1.672	(+)	20.247		-1.304		2.206		5.150		-5.150		-5.150
19	T(L=6) + HB1	2.011	(+)	32.196		0.497		15.540		5.161		-5.161		-5.161
20		0.841	(+)	22.670		-0.863		10.856		4.040		-4.040		-4.040
21	T(L=11) + HB1	1.796	(+)	31.471		0.196		14.494		5.192		-5.192		-5.192
22		0.919	(+)	25.321		-0.894		11.651		4.421		-4.421		-4.421
23	T(L=16) + HB1	1.805	(+)	31.375		0.270		14.491		5.211		-5.211		-5.211
24		0.929	(+)	25.233		-0.913		11.684		4.369		-4.369		-4.369
25	T(L=21) + HB1	1.808	(+)	31.375		0.364		14.492		5.211		-5.211		-5.211
26		0.929	(+)	25.204		-0.913		11.684		4.288		-4.288		-4.288
27	T(L=26) + HB1	1.808	(+)	31.375		0.253		14.492		5.211		-5.211		-5.211
28		0.929	(+)	25.239		-0.913		11.684		4.368		-4.368		-4.368
29	T(L=6) + HB2	2.586	(+)	22.637		0.030		4.853		5.177		-5.177		-5.177
30		1.415	(-)	13.111		-1.331		0.169		4.056		-4.056		-4.056
31	T(L=11) + HB2	2.370	(+)	21.912		-0.272		3.807		5.207		-5.207		-5.207
32		1.493	(-)	15.762		-1.362		0.965		4.437		-4.437		-4.437
33	T(L=16) + HB2	2.379	(+)	21.815		-0.198		3.804		5.226		-5.226		-5.226
34		1.503	(-)	15.674		-1.381		0.997		4.585		-4.585		-4.585
35	T(L=21) + HB2	2.383	(+)	21.815		-0.104		3.805		5.226		-5.226		-5.226
36		1.503	(-)	15.644		-1.381		0.997		4.504		-4.504		-4.504
37	T(L=26) + HB2	2.383	(+)	21.815		-0.215		3.805		5.226		-5.226		-5.226
38		1.503	(-)	15.680		-1.381		0.997		4.584		-4.584		-4.584

NO.	LOAD NAME	M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)	
		52	41	52	41	52	41	52	41	52	41	52	41
1		-15.808	3.869	-15.797	3.871	-0.597	3.871	-2.630	3.871	-2.630	3.871	-2.630	3.871
2		-115.313	30.019	-115.234	30.037	-2.302	30.037	-18.397	30.037	-18.397	30.037	-18.397	30.037
3	HA1	2.349	24.661	2.349	24.661	1.424	24.661	0.955	24.661	0.955	24.661	0.955	24.661
4	HA2	-65.977	-1.399	-66.948	-1.399	-31.040	-1.399	-31.040	-1.399	-31.040	-1.399	-31.040	-1.399
5	(L=6)	3.634	25.331	3.632	25.339	38.026	25.339	5.562	25.339	5.562	25.339	5.562	25.339
6	(L=11)	-74.606	-1.895	-74.559	-1.895	-31.198	-1.895	-31.198	-1.895	-31.198	-1.895	-31.198	-1.895
7	(L=16)	3.103	0.027	3.101	0.029	2.630	0.029	1.102	0.029	1.102	0.029	1.102	0.029
8	(L=21)	0.000	-1.094	0.000	-1.102	-2.039	-1.102	-0.039	-1.102	-0.039	-1.102	-0.039	-1.102
9	(L=26)	2.687	0.058	2.685	0.059	1.591	0.059	0.717	0.059	0.717	0.059	0.717	0.059
10	H81	0.000	0.077	0.000	0.077	1.589	0.077	0.768	0.077	0.768	0.077	0.768	0.077
11	H82	3.885	0.077	3.882	0.077	1.589	0.077	0.768	0.077	0.768	0.077	0.768	0.077
12	T(L=6) + H81	0.000	-0.765	0.000	-0.768	-1.209	-0.768	-0.078	-0.768	-0.078	-0.768	-0.078	-0.768
13	T(L=11) + H81	4.199	0.077	4.196	0.078	1.591	0.078	0.848	0.078	0.848	0.078	0.848	0.078
14	T(L=16) + H81	0.000	0.846	0.000	0.848	-1.209	0.848	-0.078	0.848	-0.078	0.848	-0.078	0.848
15	T(L=21) + H81	2.596	0.077	2.594	0.078	1.589	0.078	0.770	0.078	0.770	0.078	0.770	0.078
16	T(L=26) + H81	0.000	-0.766	0.000	-0.770	-1.209	-0.770	-0.078	-0.770	-0.078	-0.770	-0.078	-0.770
17	H81	-18.076	8.148	-18.063	8.148	-14.099	8.148	-0.850	8.148	-0.850	8.148	-0.850	8.148
18	H82	-27.782	7.712	-27.763	7.712	-3.720	7.712	-3.875	7.712	-3.875	7.712	-3.875	7.712
19	T(L=6) + H82	-14.973	8.175	-14.962	8.175	-11.469	8.175	-0.252	8.175	-0.252	8.175	-0.252	8.175
20	T(L=11) + H82	-18.076	7.054	-18.063	7.054	-16.138	7.054	-0.879	7.054	-0.879	7.054	-0.879	7.054
21	T(L=16) + H82	-15.389	8.206	-15.378	8.206	-12.508	8.206	-0.133	8.206	-0.133	8.206	-0.133	8.206
22	T(L=21) + H82	-18.076	7.435	-18.063	7.435	-15.342	7.435	-0.910	7.435	-0.910	7.435	-0.910	7.435
23	T(L=26) + H82	-14.191	8.225	-14.181	8.225	-12.510	8.225	-0.082	8.225	-0.082	8.225	-0.082	8.225
24	H81	-18.076	7.383	-18.063	7.383	-15.308	7.383	-0.928	7.383	-0.928	7.383	-0.928	7.383
25	H82	-13.877	8.225	-13.868	8.225	-12.509	8.225	-0.003	8.225	-0.003	8.225	-0.003	8.225
26	T(L=6) + H81	-18.076	7.302	-18.063	7.302	-15.308	7.302	-0.928	7.302	-0.928	7.302	-0.928	7.302
27	T(L=11) + H81	-15.480	8.225	-15.469	8.225	-12.510	8.225	-0.081	8.225	-0.081	8.225	-0.081	8.225
28	T(L=16) + H81	-18.076	7.382	-18.063	7.382	-15.308	7.382	-0.928	7.382	-0.928	7.382	-0.928	7.382
29	T(L=21) + H81	-24.679	7.738	-24.662	7.738	-1.090	7.738	-2.773	7.738	-2.773	7.738	-2.773	7.738
30	T(L=26) + H81	-27.782	6.618	-27.763	6.618	-5.759	6.618	-3.904	6.618	-3.904	6.618	-3.904	6.618
31	H81	-25.095	7.769	-25.078	7.769	-2.130	7.769	-3.157	7.769	-3.157	7.769	-3.157	7.769
32	H82	-27.782	6.999	-27.763	6.999	-4.963	6.999	-3.934	6.999	-3.934	6.999	-3.934	6.999
33	T(L=6) + H82	-23.897	7.788	-23.881	7.788	-2.132	7.788	-3.106	7.788	-3.106	7.788	-3.106	7.788
34	T(L=11) + H82	-27.782	6.946	-27.763	6.946	-4.930	6.946	-3.953	6.946	-3.953	6.946	-3.953	6.946
35	T(L=16) + H82	-23.583	7.788	-23.567	7.788	-2.130	7.788	-3.027	7.788	-3.027	7.788	-3.027	7.788
36	T(L=21) + H82	-27.782	6.866	-27.763	6.866	-4.930	6.866	-3.953	6.866	-3.953	6.866	-3.953	6.866
37	T(L=26) + H82	-25.186	7.788	-25.169	7.788	-2.131	7.788	-3.105	7.788	-3.105	7.788	-3.105	7.788
38		-27.782	6.946	-27.763	6.946	-4.930	6.946	-3.953	6.946	-3.953	6.946	-3.953	6.946

NO.	LOAD NAME	Q-Z (T)		M-Y (T, M)		Q-Z (T)		M-Y (T, M)		Q-Z (T)		M-Y (T, M)	
		63 - 74	74 - 85	74 - 63	74 - 85	74 - 85	85 - 74	74 - 85	85 - 74	74 - 85	85 - 74		
1		2.648		-1.425	8.899	-1.425	8.891	0.270	7.299	0.270	7.299	0.953	0.953
2		18.397		-6.758	56.350	-6.758	56.295	5.605	55.295	5.605	55.295	6.034	6.034
3	H A1	3.907	(+)	0.955	2.348	0.955	2.348	0.252	1.174	0.252	1.174	0.252	0.252
4	H A2	-0.955	(-)	-20.223	-20.247	-3.907	-20.223	-2.168	-10.113	-2.168	-10.113	-2.168	-2.168
5	(L=6)	17.472	(+)	13.059	67.257	13.059	67.196	15.664	58.619	15.664	58.619	10.939	10.939
6	(L=11)	-5.562	(-)	-12.394	-26.786	-12.394	-26.764	-6.804	-11.610	-6.804	-11.610	-7.962	-7.962
7	(L=16)	0.029	(+)	1.340	2.390	1.340	2.388	0.917	1.194	0.917	1.194	0.256	0.256
8	(L=21)	-1.102	(-)	-0.029	-7.177	-0.029	-7.170	-0.256	-3.586	-0.256	-3.586	-0.178	-0.178
9	(L=26)	0.059	(+)	1.068	1.666	1.068	1.664	0.718	0.832	0.718	0.832	0.178	0.178
10	H B1	-0.717	(-)	-0.059	-4.507	-0.059	-4.503	-0.178	-2.252	-0.178	-2.252	-0.483	-0.483
11	H B2	0.078	(+)	1.117	1.569	1.117	1.568	0.728	0.784	0.728	0.784	0.168	0.168
12	T(L=6) + H B1	-0.768	(-)	-0.078	-4.592	-0.078	-4.588	-0.168	-2.295	-0.168	-2.295	-0.492	-0.492
13	T(L=11) + H B1	0.078	(+)	1.204	1.569	1.204	1.568	0.731	0.784	0.731	0.784	0.168	0.168
14	T(L=16) + H B1	-0.848	(-)	-0.078	-4.621	-0.078	-4.617	-0.168	-2.309	-0.168	-2.309	-0.496	-0.496
15	T(L=21) + H B1	0.078	(+)	1.094	1.569	1.094	1.568	0.727	0.784	0.727	0.784	0.168	0.168
16	T(L=26) + H B1	-0.770	(-)	-0.078	-4.586	-0.078	-4.582	-0.168	-2.291	-0.168	-2.291	-0.498	-0.498
17	T(L=6) + H B2	0.850	(+)	-0.850	-10.135	-0.850	-10.122	1.085	-5.062	1.085	-5.062	-1.085	-1.085
18	T(L=11) + H B2	3.875	(+)	-1.313	8.375	-1.313	8.368	1.665	10.159	1.665	10.159	0.897	0.897
19	T(L=16) + H B2	0.879	(+)	0.490	-7.744	0.490	-7.734	2.002	-3.868	2.002	-3.868	-0.829	-0.829
20	T(L=21) + H B2	-0.282	(-)	-0.879	-17.311	-0.879	-17.292	0.829	-8.647	0.829	-8.647	-1.854	-1.854
21	T(L=26) + H B2	0.910	(+)	0.218	-8.469	0.218	-8.458	1.804	-4.230	1.804	-4.230	-0.907	-0.907
22	T(L=6) + H B1	0.733	(+)	-0.910	-14.642	-0.910	-14.625	0.907	-7.514	0.907	-7.514	-1.568	-1.568
23	T(L=11) + H B1	0.928	(+)	0.267	-8.566	0.267	-8.554	1.813	-4.278	1.813	-4.278	-0.917	-0.917
24	T(L=16) + H B1	0.082	(+)	-0.928	-14.727	-0.928	-14.710	0.917	-7.556	0.917	-7.556	-1.577	-1.577
25	T(L=21) + H B1	0.928	(+)	0.354	-8.566	0.354	-8.554	1.816	-4.278	1.816	-4.278	-0.917	-0.917
26	T(L=26) + H B1	0.003	(-)	-0.928	-14.756	-0.928	-14.739	0.917	-7.571	0.917	-7.571	-1.581	-1.581
27	T(L=6) + H B2	0.928	(+)	0.244	-8.566	0.244	-8.554	1.812	-4.278	1.812	-4.278	-0.917	-0.917
28	T(L=11) + H B2	0.081	(+)	-0.928	-14.721	-0.928	-14.704	0.917	-7.553	0.917	-7.553	-1.583	-1.583
29	T(L=16) + H B2	3.904	(+)	0.028	10.766	0.028	10.755	2.582	11.353	2.582	11.353	1.153	1.153
30	T(L=21) + H B2	2.723	(-)	-1.342	1.199	-1.342	1.197	1.409	6.573	1.409	6.573	0.128	0.128
31	T(L=26) + H B2	3.934	(+)	-0.244	10.041	-0.244	10.031	2.383	10.991	2.383	10.991	1.075	1.075
32	T(L=6) + H B1	3.157	(-)	-1.372	3.868	-1.372	3.864	1.487	7.907	1.487	7.907	0.414	0.414
33	T(L=11) + H B1	3.953	(+)	-0.196	9.944	-0.196	9.935	2.393	10.942	2.393	10.942	1.065	1.065
34	T(L=16) + H B1	3.106	(-)	-1.391	3.783	-1.391	3.779	1.497	7.864	1.497	7.864	0.405	0.405
35	T(L=21) + H B1	3.953	(+)	-0.109	9.944	-0.109	9.935	2.396	10.942	2.396	10.942	1.065	1.065
36	T(L=26) + H B1	3.027	(-)	-1.391	3.754	-1.391	3.751	1.497	7.850	1.497	7.850	0.401	0.401
37	T(L=6) + H B2	3.933	(+)	-0.219	9.944	-0.219	9.935	2.392	10.942	2.392	10.942	1.065	1.065
38	T(L=11) + H B2	3.105	(-)	-1.391	3.789	-1.391	3.786	1.497	7.867	1.497	7.867	0.399	0.399

** UMURU BRIDGE **

NO.	LOAD NAME	M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)			
		85	96	85	96	96	85	96	85	96	96	85	96	85	96
1		7.299		-0.953		0.002		-0.003		2.351		2.351		8.110	
2		55.295		-6.034		0.018		-0.019		17.735		17.735		55.549	
3	HA1	1.174		2.168		0.000		0.001		20.927		20.927		63.981	
4	HA2	-10.113		-0.252		-0.004		-0.023		-0.806		-0.806		-3.757	
5	(L=6)	58.619		7.962		0.019		0.004		19.649		19.649		60.171	
6	(L=11)	-11.610		-10.959		-0.004		-0.021		-2.710		-2.710		-12.634	
7	(L=16)	1.194		0.769		0.000		0.001		0.361		0.361		1.683	
8	(L=21)	-3.586		-0.256		-0.001		-0.001		-0.744		-0.744		-3.468	
9	(L=26)	0.832		0.483		0.000		0.001		0.229		0.229		1.068	
10	HB1	-2.252		-0.178		-0.001		-0.000		-0.460		-0.460		-2.143	
11	HB2	0.784		0.492		0.000		0.001		0.218		0.218		1.016	
12	T(L=6) + HB1	-2.295		-0.168		-0.001		-0.000		-0.460		-0.460		-2.143	
13	T(L=11) + HB1	0.784		0.496		0.000		0.001		0.218		0.218		1.016	
14	T(L=16) + HB1	-2.309		-0.168		-0.001		-0.000		-0.460		-0.460		-2.143	
15	T(L=21) + HB1	0.784		0.498		0.000		0.001		0.218		0.218		1.016	
16	T(L=26) + HB1	-3.291		-0.168		-0.001		-0.000		-0.460		-0.460		-2.143	
17	T(L=6) + HB2	-5.062		1.085		-0.002		-0.007		6.080		6.080		21.319	
18	T(L=11) + HB2	10.159		-0.897		0.003		-0.006		15.737		15.737		15.737	
19	T(L=16) + HB2	-3.868		1.854		-0.001		-0.006		6.441		6.441		23.003	
20	T(L=21) + HB2	-8.647		0.829		-0.003		-0.008		17.851		17.851		22.387	
21	T(L=26) + HB2	-4.230		1.568		-0.001		-0.007		6.309		6.309		22.387	
		-7.314		0.907		-0.002		-0.008		5.621		5.621		19.177	
		-4.278		1.577		-0.001		-0.007		6.298		6.298		22.335	
		-7.356		0.917		-0.002		-0.008		5.621		5.621		19.177	
		-4.278		1.581		-0.001		-0.007		6.298		6.298		22.335	
		-7.371		0.917		-0.002		-0.008		5.621		5.621		19.177	
		-4.278		1.585		-0.001		-0.007		6.298		6.298		22.335	
		-7.353		0.917		-0.002		-0.008		5.621		5.621		19.177	
		11.353		-0.128		0.004		-0.004		5.018		5.018		17.420	
		6.573		-1.153		0.002		-0.006		3.913		3.913		12.268	
		10.991		-0.414		0.004		-0.005		4.886		4.886		16.805	
		7.907		-1.075		0.003		-0.006		4.197		4.197		13.594	
		10.942		-0.405		0.004		-0.005		4.875		4.875		16.753	
		7.864		-1.065		0.003		-0.006		4.197		4.197		13.594	
		10.942		-0.401		0.004		-0.005		4.875		4.875		16.753	
		7.850		-1.065		0.003		-0.006		4.197		4.197		13.594	
		10.942		-0.399		0.004		-0.005		4.875		4.875		16.753	
		7.867		-1.065		0.003		-0.006		4.197		4.197		13.594	

** UHURU BRIDGE **

NO.	LOAD NAME	Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)	
		20	9	20	31	20	31	31	20	31	20	31	42
1		-1.128		8.110		1.128		10.517		0.096		10.507	
2		-6.095		55.549		6.095		56.830		5.546		56.773	
3	HA1		(+)	63.931		11.918		64.725		15.004		64.653	
4	HA2		(-)	-3.757		-6.756		-12.934		-7.531		-12.935	
5	(L=6)		(+)	8.056		11.294		70.546		15.614		70.546	
6	(L=11)		(+)	-11.294		-8.056		-28.585		-7.142		-28.560	
7	(L=16)		(-)	0.744		1.633		3.567		0.887		3.563	
8	(L=21)		(+)	-0.361		-3.468		-6.938		-0.361		-6.931	
9	(L=26)		(+)	0.460		1.068		2.136		0.682		2.134	
10	H81		(+)	0.229		-2.143		-4.286		-0.229		-4.282	
11	H82		(-)	0.460		1.016		2.032		0.682		2.030	
12	T(L=6) + H81		(+)	-0.218		-2.143		-4.286		-0.218		-4.282	
13	T(L=11) + H81		(+)	0.460		1.016		2.032		0.684		2.030	
14	T(L=16) + H81		(-)	-3.066		21.319		28.588		-0.218		-4.282	
15	T(L=21) + H81		(+)	-2.094		15.737		19.529		1.232		19.510	
16	T(L=26) + H81		(-)	-3.427		23.093		31.955		2.120		31.920	
17	T(L=6) + H82		(+)	-2.606		17.851		21.650		0.871		21.625	
18	T(L=11) + H82		(+)	-2.322		22.387		30.724		1.915		30.690	
19	T(L=16) + H82		(-)	-3.295		19.177		24.302		1.003		24.275	
20	T(L=21) + H82		(+)	-2.606		22.335		30.620		1.915		30.586	
21	T(L=26) + H82		(-)	-3.284		19.177		24.302		1.015		24.275	
22	T(L=6) + H81		(+)	-2.606		22.335		30.620		1.915		30.586	
23	T(L=11) + H81		(-)	-3.284		19.177		24.302		1.015		24.275	
24	T(L=16) + H81		(+)	-2.606		22.335		30.620		1.915		30.586	
25	T(L=21) + H81		(-)	-3.284		19.177		24.302		1.015		24.275	
26	T(L=26) + H81		(+)	-2.606		22.335		30.620		1.915		30.586	
27	T(L=6) + H82		(+)	-1.350		17.420		22.896		2.639		22.875	
28	T(L=11) + H82		(-)	-2.455		12.268		12.591		1.391		12.579	
29	T(L=16) + H82		(+)	-1.635		16.805		21.665		2.434		21.643	
30	T(L=21) + H82		(+)	-2.323		13.594		15.243		1.523		15.228	
31	T(L=26) + H82		(-)	-1.635		16.733		21.561		2.434		21.539	
32	T(L=6) + H81		(+)	-2.312		13.594		15.243		1.534		15.228	
33	T(L=11) + H81		(-)	-1.635		16.733		21.561		2.434		21.539	
34	T(L=16) + H81		(+)	-2.312		13.594		15.243		1.534		15.228	
35	T(L=21) + H81		(-)	-1.635		16.733		21.561		2.434		21.539	
36	T(L=26) + H81		(+)	-2.312		13.594		15.243		1.534		15.228	

** UHURU BRIDGE **

NO.	LOAD NAME	M-Y(T,M) 42 - 31	Q-Z(T) 42 - 31	M-Y(T,M) 42 - 53	Q-Z(T) 42 - 53	M-Y(T,M) 53 - 42	Q-Z(T) 53 - 42	M-Y(T,M) 53 - 64
1		-0.797	3.036	-0.797	-3.036	-17.807	4.259	-17.795
2		-2.452	18.519	-2.452	-18.519	-115.962	30.160	-115.882
3	HA1	41.342	5.122	41.342	5.122	2.180	25.001	2.180
4	HA2	39.552	17.679	39.552	17.679	-47.703	-1.351	-47.674
5	(L=6)	-32.740	-5.414	-32.740	-17.679	-75.169	-1.808	-75.121
6	(L=11)	-2.344	0.153	-2.344	0.153	2.243	0.153	2.241
7	(L=16)	-1.423	0.129	-1.423	0.129	1.945	0.129	1.943
8	(L=21)	1.676	0.135	1.676	0.135	2.811	0.135	2.809
9	(L=26)	-1.389	-0.635	-1.389	-0.635	0.000	-0.635	0.000
10	H81	1.676	0.135	1.676	0.135	3.037	0.135	3.035
11	H82	-1.389	-0.635	-1.389	-0.635	0.000	-0.635	0.000
12	T(L=6) + H81	12.401	4.971	12.401	4.971	1.877	0.135	1.876
13	T(L=11) + H81	2.156	5.002	2.156	5.002	0.000	-0.642	0.000
14	T(L=16) + H81	15.191	3.988	15.191	3.988	0.000	7.986	-17.799
15	T(L=21) + H81	10.057	5.101	10.057	5.101	-27.147	7.565	-27.129
16	T(L=26) + H81	14.087	4.347	14.087	4.347	-15.569	8.138	-15.538
17	T(L=6) + H82	10.979	5.107	10.979	5.107	-17.812	7.002	-17.799
18	T(L=11) + H82	14.078	4.336	14.078	4.336	-15.867	8.115	-15.856
19	T(L=16) + H82	11.013	4.336	11.013	4.336	-17.812	7.362	-17.799
20	T(L=21) + H82	11.013	5.155	11.013	5.155	-15.001	8.121	-15.001
21	T(L=26) + H82	0.767	4.344	0.767	4.344	-17.812	7.350	-17.799
		3.832	5.137	3.832	5.137	-14.775	8.121	-14.765
		0.733	4.378	0.733	4.378	-17.812	7.327	-17.799
		3.832	5.137	3.832	5.137	-15.935	8.121	-15.923
		0.767	4.367	0.767	4.367	-17.812	7.344	-17.799
		3.832	5.137	3.832	5.137	-24.905	7.717	-24.888
		0.767	4.344	0.767	4.344	-27.147	6.581	-27.129
		3.832	5.137	3.832	5.137	-25.203	7.694	-25.185
		0.767	4.360	0.767	4.360	-27.147	6.980	-27.129
		3.832	5.137	3.832	5.137	-24.337	7.700	-24.320
		0.767	4.344	0.767	4.344	-27.147	6.929	-27.129
		3.832	5.137	3.832	5.137	-24.110	7.700	-24.094
		0.767	4.344	0.767	4.344	-27.147	6.906	-27.129
		3.832	5.137	3.832	5.137	-25.253	7.700	-25.235
		0.767	4.360	0.767	4.360	-27.147	6.923	-27.129

NO.	LOAD NAME	Q-Z (T)		M-Y (T, M)		Q-Z (T)		M-Y (T, M)		Q-Z (T)	
		53 - 64	64 - 53	64 - 53	53 - 64	64 - 75	75 - 64	64 - 75	75 - 64	64 - 75	75 - 64
1		4.251	-0.823	-0.823	3.027	-0.823	3.027	10.443	-1.804		
2		30.108	-2.613	-2.613	-18.468	-2.613	18.468	56.369	-6.827		
3	HA1	10.082	1.655	1.655	0.890	1.655	3.774	2.592	0.890		
4	HA2	25.481	-0.890	-0.890	-3.774	-0.890	3.774	-22.456	-3.774		
5	(L=6)	-1.820	39.760	39.760	5.429	39.760	17.646	70.314	12.834		
6	(L=11)	0.151	-33.020	-33.020	-17.646	-33.020	-5.429	-28.627	-12.570		
7	(L=16)	0.982	2.799	2.799	0.982	2.799	0.151	3.361	1.197		
8	(L=21)	-0.982	-2.364	-2.364	-0.151	-2.364	0.982	-6.945	-0.151		
9	(L=26)	0.128	1.691	1.691	0.623	1.691	0.128	2.132	0.943		
10	HB1	-0.623	-1.435	-1.435	-0.128	-1.435	-0.623	-4.289	-0.128		
11	HB2	0.134	1.682	1.682	0.635	1.682	0.134	2.029	0.953		
12	T(L=6) + HB1	-0.635	-1.400	-1.400	-0.134	-1.400	-0.635	-4.289	-0.134		
13	T(L=11) + HB1	0.134	1.682	1.682	0.635	1.682	0.134	2.029	0.978		
14	T(L=16) + HB1	-0.635	-1.400	-1.400	-0.134	-1.400	-0.635	-4.289	-0.134		
15	T(L=21) + HB1	0.263	1.014	1.014	0.263	1.014	0.263	2.029	0.952		
16	T(L=26) + HB1	0.228	-0.228	-0.228	0.228	-0.228	0.228	-4.289	-0.134		
17	T(L=6) + HB2	6.474	-0.805	-0.805	-3.781	-0.805	3.914	11.332	-1.020		
18	T(L=11) + HB2	3.343	-5.068	-5.068	-3.914	-5.068	2.781	1.026	-1.352		
19	T(L=16) + HB2	6.453	-1.913	-1.913	-3.140	-1.913	3.891	10.103	-0.258		
20	T(L=21) + HB2	5.702	-5.039	-5.039	-3.891	-5.039	3.140	3.682	-1.329		
21	T(L=26) + HB2	6.459	-1.922	-1.922	-3.128	-1.922	3.897	10.000	-0.248		
		5.691	-5.004	-5.004	-3.897	-5.004	3.128	3.682	-1.335		
		6.459	-1.922	-1.922	-3.105	-1.922	3.897	10.000	-0.223		
		5.667	-5.004	-5.004	-3.897	-5.004	3.105	3.682	-1.335		
		6.459	-1.922	-1.922	-3.122	-1.922	3.897	10.000	-0.248		
		5.684	-5.004	-5.004	-3.897	-5.004	3.122	3.682	-1.335		

NO.	LOAD NAME	M-Y(T.M) 75 - 86	Q-Z(T) 75 - 86	M-Y(T.M) 86 - 75	Q-Z(T) 86 - 75	M-Y(T.M) 86 - 97	Q-Z(T) 86 - 97	M-Y(T.M) 97 - 86
1		10.434	0.105	8.071	1.118	8.071	-1.118	0.003
2		56.314	5.604	55.308	6.036	55.308	-6.036	0.018
3	HAT	2.591	2.504	1.296	0.278	1.296	2.404	0.000
4	HA2	-22.429	-0.278	-11.216	-2.404	-11.216	-0.278	-0.004
5	(L=6)	70.249	15.692	59.921	11.238	59.921	8.070	0.020
6	(L=11)	-28.603	-7.105	-12.603	-8.070	-12.603	-1.238	-0.005
7	(L=16)	3.327	0.887	1.679	0.360	1.679	0.744	0.001
8	(L=21)	-6.938	-0.360	-3.469	-0.744	-3.469	-0.360	-0.001
9	(L=26)	2.129	0.697	1.065	0.228	1.065	0.459	0.000
10	H81	-4.284	-0.228	-2.143	-0.459	-2.143	-0.228	-0.001
11	H82	2.027	0.697	1.014	0.217	1.014	0.459	0.000
12	T(L=6) + H81	-4.284	-0.217	-2.143	-0.459	-2.143	-0.217	-0.001
13	T(L=11) + H81	2.027	0.697	1.014	0.217	1.014	0.459	0.000
14	T(L=16) + H81	-4.284	-0.217	-2.143	-0.459	-2.143	-0.217	-0.001
15	T(L=21) + H81	2.027	0.697	1.014	0.217	1.014	0.459	0.000
16	T(L=26) + H81	-4.284	-0.217	-2.143	-0.459	-2.143	-0.217	-0.001
17	T(L=6) + H82	-9.520	1.020	-4.761	-1.020	-4.761	1.020	-0.002
18	T(L=11) + H82	7.963	1.709	9.958	0.853	9.958	-0.853	0.003
19	T(L=16) + H82	-6.163	1.907	-3.082	-0.661	-3.082	1.764	-0.001
20	T(L=21) + H82	16.457	0.561	8.230	-1.764	8.230	0.661	-0.003
21	T(L=26) + H82	-7.390	1.117	-3.696	-0.792	-3.696	1.480	-0.001
22		-13.804	0.792	-6.903	-1.480	-6.903	0.792	-0.002
23		-7.493	1.717	-3.747	-0.803	-3.747	1.480	-0.001
24		-13.804	0.803	-6.903	-1.480	-6.903	0.803	-0.002
25		-7.493	1.717	-3.747	-0.803	-3.747	1.480	-0.001
26		-13.804	0.803	-6.903	-1.480	-6.903	0.803	-0.002
27		-7.493	1.717	-3.747	-0.803	-3.747	1.480	-0.001
28		10.093	2.405	11.023	1.082	11.023	-0.394	0.004
29		3.679	1.480	7.815	0.394	7.815	-1.082	0.003
30		9.990	2.405	10.971	1.071	10.971	-0.394	0.004
31		3.679	1.491	7.815	0.394	7.815	-1.071	0.003
32		9.990	2.405	10.971	1.071	10.971	-0.394	0.004
33		3.679	1.491	7.815	0.394	7.815	-1.071	0.003
34		9.990	2.405	10.971	1.071	10.971	-0.394	0.004
35		3.679	1.491	7.815	0.394	7.815	-1.071	0.003
36		9.990	2.405	10.971	1.071	10.971	-0.394	0.004

** UHURU BRIDGE **

NO.	LOAD NAME	Q-Z(T)		M-Y(T.M)		Q-Z(T)		M-Y(T.M)		Q-Z(T)	
		97	86	10	21	10	21	21	10	21	10
1		2.341		-0.002	0.894	7.322	-2.247	7.322	7.322	-2.247	2.247
2		17.822		-0.020	17.822	55.957	-6.181	55.957	55.957	-6.181	6.181
3	HA1	0.278	(+)	0.001	21.562	67.535	6.241	67.535	67.535	6.241	12.721
4	HA2	-2.404	(-)	-0.024	-1.430	-3.196	-12.721	-3.196	-3.196	-12.721	-6.241
5	(L=6)	19.601	(+)	0.005	20.252	63.575	7.731	63.575	63.575	7.731	12.061
6	(L=11)	-2.701	(-)	-0.033	-3.197	-13.508	-12.061	-13.508	-13.508	-12.061	-7.731
7	(L=16)	0.360	(+)	0.001	0.430	2.005	0.625	2.005	2.005	0.625	0.430
8	(L=21)	-0.744	(-)	-0.001	-0.625	-2.913	-0.430	-2.913	-2.913	-0.430	-0.625
9	(L=26)	0.228	(+)	0.001	0.262	1.222	0.381	1.222	1.222	0.381	0.262
10	HB1	-0.459	(-)	-0.000	-0.381	-1.775	-0.262	-1.775	-1.775	-0.262	-0.381
11	HB2	0.217	(+)	0.001	0.254	1.183	0.380	1.183	1.183	0.380	0.254
12	T(L=6) + HB1	-0.459	(-)	-0.000	-0.380	-1.772	-0.254	-1.772	-1.772	-0.254	-0.380
13	T(L=11) + HB1	0.217	(+)	0.001	0.254	1.183	0.380	1.183	1.183	0.380	0.254
14	T(L=16) + HB1	-0.459	(-)	-0.000	-0.380	-1.772	-0.254	-1.772	-1.772	-0.254	-0.380
15	T(L=21) + HB1	0.217	(+)	0.001	0.254	1.183	0.380	1.183	1.183	0.380	0.254
16	T(L=26) + HB1	-0.459	(-)	-0.000	-0.380	-1.772	-0.254	-1.772	-1.772	-0.254	-0.380
17	T(L=6) + HB2	-1.020	(-)	-0.007	5.787	20.502	3.007	20.502	20.502	3.007	3.007
18	T(L=11) + HB2	3.415	(+)	-0.005	4.442	15.202	-2.079	15.202	15.202	-2.079	2.079
19	T(L=16) + HB2	-0.661	(-)	-0.006	6.218	22.507	-2.382	22.507	22.507	-2.382	2.382
20	T(L=21) + HB2	-1.764	(-)	-0.006	5.163	17.589	-3.437	17.589	17.589	-3.437	3.437
21	T(L=26) + HB2	-0.792	(-)	-0.007	6.050	21.724	-2.626	21.724	21.724	-2.626	2.626
		-1.480	(-)	-0.008	5.407	18.727	-3.269	18.727	18.727	-3.269	3.269
		-0.803	(-)	-0.008	6.041	21.685	-2.627	21.685	21.685	-2.627	2.627
		-1.480	(-)	-0.008	5.407	18.730	-3.261	18.730	18.730	-3.261	3.261
		-0.803	(-)	-0.007	6.041	21.685	-2.627	21.685	21.685	-2.627	2.627
		-1.480	(-)	-0.008	5.407	18.730	-3.261	18.730	18.730	-3.261	3.261
		-0.803	(-)	-0.007	6.041	21.685	-2.627	21.685	21.685	-2.627	2.627
		3.775	(+)	-0.004	4.872	17.207	-1.454	17.207	17.207	-1.454	1.454
		2.671	(+)	-0.006	3.818	12.290	-2.509	12.290	12.290	-2.509	2.509
		3.643	(+)	-0.005	4.704	16.425	-1.698	16.425	16.425	-1.698	1.698
		2.955	(+)	-0.006	4.062	13.427	-2.341	13.427	13.427	-2.341	2.341
		3.632	(+)	-0.005	4.696	16.385	-1.699	16.385	16.385	-1.699	1.699
		2.955	(+)	-0.006	4.062	13.430	-2.333	13.430	13.430	-2.333	2.333
		3.632	(+)	-0.005	4.696	16.385	-1.699	16.385	16.385	-1.699	1.699
		2.955	(+)	-0.006	4.062	13.430	-2.333	13.430	13.430	-2.333	2.333
		3.632	(+)	-0.005	4.696	16.385	-1.699	16.385	16.385	-1.699	1.699
		2.955	(+)	-0.006	4.062	13.430	-2.333	13.430	13.430	-2.333	2.333

** UHURU BRIDGE **

NO.	LOAD NAME	M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)	
		32	21	32	21	32	21	43	32	43	32	43	32
1		20.958	-3.600	-5.822	20.943	-3.057	4.469	-5.057	4.469	-2.347	18.758	-2.347	18.758
2		57.636	5.461	-7.116	57.578	-2.762	17.423	-2.762	17.423	43.222	17.423	43.222	17.423
3	H A1	83.301	13.991	11.754	83.218	-4.470	18.565	-4.470	18.565	41.674	18.565	41.674	18.565
4	H A2	-9.493	-8.604	-12.308	-9.494	-13.798	-2.586	-13.798	-2.586	0.307	0.307	0.307	0.307
5	(L=6)	78.958	14.898	11.667	78.880	-0.892	1.546	-0.892	1.546	-0.745	1.546	-0.745	1.546
6	(L=11)	-28.687	-8.173	-13.798	-28.658	-1.392	0.195	-1.392	0.195	0.206	0.206	0.206	0.206
7	(L=16)	4.011	0.736	0.892	4.007	0.684	0.684	0.684	0.684	0.195	0.195	0.195	0.195
8	(L=21)	-5.826	-0.430	-0.307	-5.820	-0.885	0.195	-0.885	0.195	-0.463	0.195	-0.463	0.195
9	(L=26)	2.445	0.570	0.684	2.443	0.691	0.691	0.691	0.691	0.195	0.195	0.195	0.195
10	H B1	-3.550	-0.262	-0.206	-3.547	-0.195	0.195	-0.195	0.195	0.195	0.195	0.195	0.195
11	H B2	2.367	0.570	0.684	2.364	0.684	0.684	0.684	0.684	0.195	0.195	0.195	0.195
12	T(L=6) + H B1	-3.544	-0.254	-0.195	-3.540	-0.894	0.195	-0.894	0.195	4.858	4.858	4.858	4.858
13	T(L=11) + H B1	2.367	0.570	0.684	2.364	0.684	0.684	0.684	0.684	4.920	4.920	4.920	4.920
14	T(L=16) + H B1	-3.544	-0.254	-0.195	-3.540	-0.894	0.195	-0.894	0.195	5.165	5.165	5.165	5.165
15	T(L=21) + H B1	2.367	0.570	0.684	2.364	0.684	0.684	0.684	0.684	9.489	9.489	9.489	9.489
16	T(L=26) + H B1	-3.544	-0.254	-0.195	-3.540	-0.894	0.195	-0.894	0.195	13.399	13.399	13.399	13.399
17	T(L=6) + H B2	2.367	0.570	0.684	2.364	0.684	0.684	0.684	0.684	10.414	10.414	10.414	10.414
18	T(L=11) + H B2	-3.544	-0.254	-0.195	-3.540	-0.894	0.195	-0.894	0.195	5.054	5.054	5.054	5.054
19	T(L=16) + H B2	2.367	0.570	0.684	2.364	0.684	0.684	0.684	0.684	13.383	13.383	13.383	13.383
20	T(L=21) + H B2	-3.544	-0.254	-0.195	-3.540	-0.894	0.195	-0.894	0.195	10.444	10.444	10.444	10.444
21	T(L=26) + H B2	2.367	0.570	0.684	2.364	0.684	0.684	0.684	0.684	5.227	5.227	5.227	5.227

** UHUKU BRIDGE **

NO.	LOAD NAME	Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)	
		43	54	54	43	54	65	43	54	65	54	65	
1		-4.469	-20.745	3.116	-20.729	3.118	-3.030	-4.471	-20.729	3.118	-3.030	-4.471	-20.729
2		-18.758	-117.396	30.399	-117.314	30.438	-2.501	-18.796	-117.314	30.438	-2.501	-18.796	-117.314
3	HA1	4.582	2.128	25.854	2.127	10.052	2.254	1.047	2.254	10.052	2.254	1.047	2.254
4	HA2	-17.423	-50.259	-1.719	-50.227	-1.268	-36.530	-3.659	-50.227	-1.268	-36.530	-3.659	-50.227
5	(L=6)	4.956	3.584	26.265	3.582	26.288	41.817	4.971	3.582	26.288	41.817	4.971	3.582
6	(L=11)	-18.565	-80.129	-2.199	-80.077	-2.209	-36.170	-18.596	-80.077	-2.209	-36.170	-18.596	-80.077
7	(L=16)	0.745	1.166	0.307	1.165	0.315	2.583	0.757	1.165	0.315	2.583	0.757	1.165
8	(L=21)	-0.307	0.000	-0.745	0.000	-0.757	-2.366	-0.315	0.000	-0.757	-2.366	-0.315	0.000
9	(L=26)	0.463	1.002	0.206	1.001	0.211	1.561	0.470	1.001	0.211	1.561	0.470	1.001
10	HB1	-0.206	0.000	-0.463	0.000	-0.470	-1.434	-0.211	0.000	-0.470	-1.434	-0.211	0.000
11	HB2	0.463	0.000	0.195	0.463	0.200	1.544	0.470	0.000	0.200	1.544	0.470	0.000
12	T(L=6) + HB1	-0.195	0.000	-0.463	0.000	-0.470	-1.403	-0.200	0.000	-0.470	-1.403	-0.200	0.000
13	T(L=11) + HB1	-4.858	-17.307	-0.639	-17.295	-0.685	-13.166	-4.885	-17.295	-0.685	-13.166	-4.885	-17.295
14	T(L=16) + HB1	-4.920	-26.530	-0.639	-26.512	-0.685	-17.295	-4.947	-26.512	-0.685	-17.295	-4.947	-26.512
15	T(L=21) + HB1	-4.114	-16.141	-0.639	-16.130	-0.685	-10.583	-4.141	-16.130	-0.685	-10.583	-4.141	-16.130
16	T(L=26) + HB1	-5.165	-17.307	-0.639	-17.295	-0.685	-15.533	-5.192	-17.295	-0.685	-15.533	-5.192	-17.295
17	T(L=6) + HB2	-4.396	-17.307	-0.639	-17.295	-0.685	-11.606	-4.423	-17.295	-0.685	-11.606	-4.423	-17.295
18	T(L=11) + HB2	-5.054	-17.307	-0.639	-17.295	-0.685	-14.601	-5.081	-17.295	-0.685	-14.601	-5.081	-17.295
19	T(L=16) + HB2	-4.396	-17.307	-0.639	-17.295	-0.685	-11.622	-4.423	-17.295	-0.685	-11.622	-4.423	-17.295
20	T(L=21) + HB2	-5.054	-17.307	-0.639	-17.295	-0.685	-14.570	-5.081	-17.295	-0.685	-14.570	-5.081	-17.295
21	T(L=26) + HB2	-4.396	-26.530	-0.639	-26.512	-0.685	-17.295	-4.423	-26.512	-0.685	-17.295	-4.423	-26.512

** UNKUN BRIDGE **

NO.	LOAD NAME	M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		
		65	76	65	76	76	65	76	65	76	87	65	76	87
1		-3.030		4.471		20.979		-5.825		20.923		-3.601		7.327
2		-2.501		18.796		58.016		-7.155		57.960		5.430		58.136
3	HA1	2.254	(+)	2.659	(+)	2.863	(+)	1.047	(+)	2.860	(+)	2.663	(+)	1.430
4	HA2	-36.530	(-)	-1.047	(-)	-24.878	(-)	3.659	(-)	-24.847	(-)	-0.307	(-)	-12.425
5	(L=6)	41.817	(+)	18.596	(+)	79.341	(+)	11.870	(+)	79.266	(+)	14.892	(+)	63.845
6	(L=11)	-36.170	(-)	-4.971	(-)	-28.825	(-)	-13.839	(-)	-28.796	(-)	-8.198	(-)	-13.613
7	(L=16)	2.583	(+)	0.315	(+)	4.041	(+)	0.907	(+)	4.037	(+)	0.744	(+)	2.019
8	(L=21)	-2.366	(-)	-0.757	(-)	-5.898	(-)	-0.515	(-)	-5.892	(-)	-0.433	(-)	-2.946
9	(L=26)	1.561	(+)	0.211	(+)	2.464	(+)	0.713	(+)	2.461	(+)	0.584	(+)	1.231
10	HB1	-1.434	(-)	-0.470	(-)	-3.595	(-)	-0.211	(-)	-3.591	(-)	-0.264	(-)	-1.796
11	HB2	1.544	(+)	0.200	(+)	2.385	(+)	0.713	(+)	2.383	(+)	0.584	(+)	1.191
12	T(L=6) + HB1	-1.403	(-)	-0.470	(-)	-3.587	(-)	-0.200	(-)	-3.584	(-)	-0.255	(-)	-1.792
13	T(L=11) + HB1	-1.403	(-)	-0.470	(-)	-3.587	(-)	-0.200	(-)	-3.584	(-)	-0.255	(-)	-1.792
14	T(L=16) + HB1	-13.166	(-)	3.743	(+)	-9.038	(-)	-0.885	(-)	-9.026	(-)	0.968	(+)	-4.516
15	T(L=21) + HB1	-3.541	(-)	8.407	(+)	-4.997	(-)	-1.380	(-)	-4.989	(-)	1.463	(+)	9.712
16	T(L=26) + HB1	-10.583	(-)	1.200	(+)	-4.997	(-)	0.022	(+)	-4.989	(-)	1.711	(+)	-2.495
17	T(L=6) + HB2	-15.533	(-)	0.128	(+)	-14.936	(-)	-1.200	(-)	-14.918	(-)	0.535	(+)	-7.460
18	T(L=11) + HB2	-11.606	(-)	1.098	(+)	-6.575	(-)	-0.172	(+)	-6.565	(-)	1.551	(+)	-3.283
19	T(L=16) + HB2	-14.601	(-)	0.415	(+)	-12.633	(-)	-1.096	(+)	-12.618	(-)	0.704	(+)	-6.310
20	T(L=21) + HB2	-11.622	(-)	1.085	(+)	-6.633	(-)	-0.172	(+)	-6.644	(-)	1.551	(+)	-3.322
21	T(L=26) + HB2	-14.570	(-)	0.415	(+)	-12.626	(-)	-1.085	(+)	-12.610	(-)	0.712	(+)	-6.306
22	T(L=6) + HB2	-11.622	(-)	1.085	(+)	-6.633	(-)	-0.172	(+)	-6.644	(-)	1.551	(+)	-3.322
23	T(L=11) + HB2	-14.570	(-)	0.415	(+)	-12.626	(-)	-1.085	(+)	-12.610	(-)	0.712	(+)	-6.306
24	T(L=16) + HB2	-0.958	(-)	4.058	(+)	12.448	(+)	-0.473	(-)	12.436	(+)	2.207	(+)	11.731
25	T(L=21) + HB2	-5.907	(-)	2.986	(+)	2.509	(+)	-1.695	(-)	2.507	(+)	1.030	(+)	6.766
26	T(L=26) + HB2	-1.980	(-)	3.954	(+)	10.871	(+)	-0.667	(-)	10.860	(+)	2.047	(+)	10.943
27	T(L=6) + HB2	-4.975	(-)	3.273	(+)	4.812	(+)	-1.591	(-)	4.808	(+)	1.199	(+)	7.916
28	T(L=11) + HB2	-1.997	(-)	3.943	(+)	10.792	(+)	-0.667	(-)	10.782	(+)	2.047	(+)	10.904
29	T(L=16) + HB2	-4.944	(-)	3.273	(+)	4.820	(+)	-1.580	(-)	4.816	(+)	1.208	(+)	7.920
30	T(L=21) + HB2	-1.997	(-)	3.943	(+)	10.792	(+)	-0.667	(-)	10.782	(+)	2.047	(+)	10.904
31	T(L=26) + HB2	-4.944	(-)	3.273	(+)	4.820	(+)	-1.580	(-)	4.816	(+)	1.208	(+)	7.920
32	T(L=6) + HB2	-1.997	(-)	3.943	(+)	10.792	(+)	-0.667	(-)	10.782	(+)	2.047	(+)	10.904
33	T(L=11) + HB2	-4.944	(-)	3.273	(+)	4.820	(+)	-1.580	(-)	4.816	(+)	1.208	(+)	7.920
34	T(L=16) + HB2	-1.997	(-)	3.943	(+)	10.792	(+)	-0.667	(-)	10.782	(+)	2.047	(+)	10.904
35	T(L=21) + HB2	-4.944	(-)	3.273	(+)	4.820	(+)	-1.580	(-)	4.816	(+)	1.208	(+)	7.920
36	T(L=26) + HB2	-1.997	(-)	3.943	(+)	10.792	(+)	-0.667	(-)	10.782	(+)	2.047	(+)	10.904
37	T(L=6) + HB2	-4.944	(-)	3.273	(+)	4.820	(+)	-1.580	(-)	4.816	(+)	1.208	(+)	7.920

** UMURU BRIDGE **

NO.	LOAD NAME	Q-Z (T)		M-Y (T,M)		Q-Z (T)		M-Y (T,M)		Q-Z (T)		M-Y (T,M)		
		87	76	87	98	87	98	98	87	98	87	98	98	87
1		2.247		7.527		-2.247		0.002		0.893		-0.008		8.694
2		6.212		56.136		-6.212		0.018		17.853		-0.022		19.831
3	HA1	0.307		1.430		2.663		0.000		0.307		0.002		22.724
4	HA2	-2.663		-12.425		-0.307		-0.005		-2.663		-0.027		-1.280
5	(L=6)	12.103		63.845		7.725		-0.021		20.276		0.006		21.431
6	(L=11)	-7.725		-13.613		-12.103		-0.005		-3.218		-0.026		-3.740
7	(L=16)	0.433		2.019		0.632		0.001		0.433		0.001		0.494
8	(L=21)	-0.632		-2.946		-0.433		-0.001		-0.632		-0.001		-0.496
9	(L=26)	0.284		1.231		0.385		0.000		0.264		0.000		0.301
10	HB1	-0.385		-1.796		-0.264		-0.001		-0.385		-0.000		-0.303
11	HB2	0.255		1.191		0.384		0.000		0.255		0.000		0.296
12	T(L=6) + HB1	-0.384		-1.792		-0.255		-0.001		-0.384		-0.000		-0.298
13	T(L=11) + HB1	0.255		1.191		0.384		0.000		0.255		0.000		0.296
14	T(L=16) + HB1	-0.384		-1.792		-0.255		-0.001		-0.384		-0.000		-0.298
15	T(L=21) + HB1	0.255		1.191		0.384		0.000		0.255		0.000		0.296
16	T(L=26) + HB1	-0.384		-1.792		-0.255		-0.001		-0.384		-0.000		-0.298
17	T(L=6) + HB2	0.269		1.1731		0.712		0.002		0.269		0.002		5.987
18	T(L=11) + HB2	-0.712		-3.522		-0.712		-0.002		-0.712		-0.002		-4.638
19	T(L=16) + HB2	1.164		10.843		1.352		0.001		1.352		0.007		6.482
20	T(L=21) + HB2	-1.352		-7.460		-1.352		-0.001		-1.352		-0.007		-5.491
21	T(L=26) + HB2	0.516		3.283		1.352		0.001		0.516		0.007		6.288
		1.156		6.310		0.704		0.002		1.156		0.008		5.684
		1.156		7.920		1.352		0.001		1.352		0.007		6.284
		0.516		6.766		0.712		0.002		0.516		0.008		5.689
		1.156		10.843		1.352		0.004		1.156		0.006		5.132
		0.516		7.916		0.712		0.004		0.516		0.006		4.142
		1.156		10.804		1.352		0.003		1.156		0.005		4.939
		0.516		7.920		0.712		0.004		0.516		0.006		4.335
		1.156		10.904		1.352		0.003		1.156		0.006		4.935
		0.516		7.920		0.712		0.004		0.516		0.006		4.340
		1.156		10.904		1.352		0.004		1.156		0.006		4.935
		0.516		7.920		0.712		0.003		0.516		0.006		4.340

NO.	LOAD NAME	M-Y(T.M) 22 - 11	Q-Z(T) 22 - 11	M-Y(T.M) 22 - 33	Q-Z(T) 22 - 33	M-Y(T.M) 33 - 22	Q-Z(T) 33 - 22	M-Y(T.M) 33 - 44
1		22.810	-1.090	22.810	1.090	10.159	6.514	10.143
2		61.182	-6.412	61.182	6.412	59.791	7.008	59.729
3	HA1	77.146	6.051	77.146	14.206	97.121	15.040	97.020
4	HA2	-5.966	-14.206	-5.966	-6.051	-11.940	-8.825	-11.929
5	(L=6)	73.211	7.863	73.211	13.612	93.407	14.339	93.309
6	(L=11)	-17.437	-13.612	-17.437	-7.863	-34.886	-8.597	-34.841
7	(L=16)	2.304	0.496	2.304	0.494	4.610	0.570	4.605
8	(L=21)	-2.312	-0.494	-2.312	-0.496	-4.626	-0.494	-4.621
9	(L=26)	1.402	0.303	1.402	0.301	2.805	0.436	2.802
10	HB1	-1.415	-0.301	-1.415	-0.303	-2.830	-0.301	-2.827
11	HB2	1.382	0.298	1.382	0.296	2.764	0.433	2.762
12	T(L=6) + HB1	-1.390	-0.296	-1.390	-0.298	-2.780	-0.296	-2.777
13	T(L=11) + HB1	1.382	0.298	1.382	0.296	2.764	0.433	2.762
14	T(L=16) + HB1	-1.390	-0.296	-1.390	-0.298	-2.780	-0.296	-2.777
15	T(L=21) + HB1	1.382	0.298	1.382	0.296	2.764	0.433	2.762
16	T(L=26) + HB1	-1.390	-0.296	-1.390	-0.298	-2.780	-0.296	-2.777
17	T(L=6) + HB2	21.083	-3.056	21.083	3.056	28.499	1.124	28.467
18	T(L=11) + HB2	15.817	-2.146	15.817	2.146	20.016	1.594	19.996
19	T(L=16) + HB2	23.387	-2.560	23.387	3.550	33.108	1.694	33.073
20	T(L=21) + HB2	18.771	-3.550	18.771	2.560	23.873	0.630	23.847
21	T(L=26) + HB2	22.485	-2.752	22.485	3.356	31.304	1.560	31.270
22		19.668	-3.356	19.668	2.752	25.668	0.824	25.640
23		22.465	-2.758	22.465	3.352	31.263	1.557	31.229
24		19.693	-3.352	19.693	2.758	25.719	0.828	25.691
25		22.465	-2.758	22.465	3.352	31.263	1.557	31.229
26		19.693	-3.352	19.693	2.758	25.719	0.828	25.691
27		18.122	-1.650	18.122	2.640	24.626	2.164	24.601
28		13.505	-2.640	13.505	1.650	15.391	1.100	15.375
29		17.219	-1.843	17.219	2.447	22.821	2.030	22.799
30		14.402	-2.447	14.402	1.843	17.186	1.293	17.169
31		17.199	-1.848	17.199	2.443	22.781	2.027	22.758
32		14.428	-2.443	14.428	1.848	17.220	1.298	17.220
33		17.199	-1.848	17.199	2.443	22.781	2.027	22.758
34		14.428	-2.443	14.428	1.848	17.220	1.298	17.220
35		17.199	-1.848	17.199	2.443	22.781	2.027	22.758
36		14.428	-2.443	14.428	1.848	17.220	1.298	17.220

** UHURU BRIDGE **

NO.	LOAD NAME	Q-Z(T) 33 - 44	M-Y(T,M) 44 - 33	Q-Z(T) 44 - 33	M-Y(T,M) 44 - 55	Q-Z(T) 44 - 55	M-Y(T,M) 55 - 44	Q-Z(T) 55 - 44
1		1.926	1.391	5.678	1.391	-5.678	-42.830	13.283
2		-6.685	-2.750	20.105	-2.750	-20.105	-127.824	33.524
3	HA1	10.735	47.369	19.497	47.369	4.614	5.866	27.536
4	HA2	-13.286	-4.642	-4.614	-4.642	-19.497	-59.788	-1.863
5	(L=6)	10.936	46.948	20.787	46.948	5.196	9.193	28.053
6	(L=11)	-15.073	-43.119	-5.196	-43.119	-20.787	-94.687	-2.561
7	(L=16)	0.587	2.315	0.512	2.315	0.463	0.463	0.491
8	(L=21)	-0.491	-2.296	-0.512	-2.296	-0.491	-0.434	-0.500
9	(L=26)	0.456	1.400	0.308	1.400	0.324	0.402	0.508
10	HB1	-0.308	-1.389	-0.324	-1.389	-0.308	-0.376	-0.314
11	HB2	0.456	1.378	0.301	1.378	0.323	0.579	0.501
12	T(L=6) + HB1	-0.301	-1.366	-0.323	-1.366	-0.301	-0.545	-0.312
13	T(L=11) + HB1	0.436	1.378	0.301	1.378	0.323	0.624	0.501
14	T(L=16) + HB1	-0.301	-1.366	-0.323	-1.366	-0.301	-0.589	-0.312
15	T(L=21) + HB1	0.456	1.378	0.302	1.378	0.324	0.587	0.502
16	T(L=26) + HB1	-0.302	-1.366	-0.324	-1.366	-0.302	-0.564	-0.312
17	T(L=6) + HB2	-0.837	11.906	5.017	11.906	-5.017	-18.331	7.948
18	T(L=11) + HB2	-1.334	1.861	5.134	1.861	-5.134	-27.899	7.628
19	T(L=16) + HB2	-0.249	14.220	5.508	14.220	-4.504	-17.867	8.439
20	T(L=21) + HB2	-1.368	9.610	4.504	9.610	-5.508	-18.764	7.448
21	T(L=26) + HB2	-0.380	13.306	5.324	13.306	-4.693	-17.929	8.256
22		-1.145	10.516	4.693	10.516	-5.324	-18.707	7.634
23		-0.380	13.284	5.318	13.284	-4.694	-17.752	8.249
24		-1.138	10.540	4.694	10.540	-5.318	-18.875	7.636
25		-0.380	13.284	5.318	13.284	-4.694	-17.707	8.249
26		-1.138	10.540	4.694	10.540	-5.318	-18.920	7.636
27		-0.380	13.284	5.318	13.284	-4.692	-17.944	8.250
28		-1.138	10.540	4.692	10.540	-5.318	-18.694	7.636
29		-0.807	4.175	5.625	4.175	-4.622	-27.436	8.117
30		-1.885	-0.435	4.622	-0.435	-5.625	-28.333	7.126
31		-0.938	3.261	5.442	3.261	-4.810	-27.497	7.932
32		-1.702	0.471	4.810	0.471	-5.442	-28.275	7.512
33		-0.938	3.239	5.435	3.239	-4.811	-27.320	7.927
34		-1.695	0.495	4.811	0.495	-5.435	-28.443	7.514
35		-0.938	3.239	5.435	3.239	-4.811	-27.275	7.927
36		-1.695	0.495	4.811	0.495	-5.435	-28.488	7.514
37		-0.938	3.239	5.436	3.239	-4.810	-27.512	7.928
38		-1.696	0.495	4.810	0.495	-5.436	-28.263	7.514

NO.	LOAD NAME	M-Y (T.M) 55 - 66	Q-Z (T) 55 - 66	M-Y (T.M) 66 - 55	Q-Z (T) 66 - 55	M-Y (T.M) 66 - 77	Q-Z (T) 66 - 77	M-Y (T.M) 77 - 66
1		-42.801	13.285	1.429	-5.681	1.429	5.681	10.193
2		-127.735	33.525	-2.659	-20.106	-2.659	20.106	59.827
3	HAT	5.862	10.243	4.470	1.300	4.470	4.095	5.143
4	HAT	-59.746	-1.300	-44.230	-4.095	-44.230	-1.300	-29.644
5	(L=6)	9.186	28.055	47.605	5.217	47.605	20.783	93.734
6	(L=11)	-94.620	-2.568	-43.668	-20.783	-43.668	-5.217	-35.217
7	(L=16)	0.463	0.495	2.336	0.520	2.336	0.495	4.644
8	(L=21)	-0.434	-0.508	-2.337	-0.495	-2.337	-0.520	-4.698
9	(L=26)	0.402	0.310	1.414	0.331	1.414	0.310	2.826
10	HB1	-0.376	-0.319	-1.414	-0.310	-1.414	-0.331	-2.874
11	HB2	0.578	0.303	1.391	0.329	1.391	0.303	2.783
12	T(L=6) + HB1	-0.544	-0.317	-1.391	-0.303	-1.391	-0.329	-2.821
13	T(L=11) + HB1	0.623	0.303	1.391	0.329	1.391	0.303	2.783
14	T(L=16) + HB1	-0.589	-0.317	-1.391	-0.303	-1.391	-0.329	-2.821
15	T(L=21) + HB1	0.386	0.303	1.391	0.329	1.391	0.303	2.783
16	T(L=26) + HB1	-0.363	-0.317	-1.391	-0.303	-1.391	-0.329	-2.821
17	T(L=6) + HB2	-18.318	1.027	-13.528	-1.027	-13.528	1.027	-8.739
18	T(L=11) + HB2	-27.879	6.424	-3.727	-3.932	-3.727	3.932	8.801
19	T(L=16) + HB2	-17.855	1.521	-11.192	-0.507	-11.192	1.521	-4.096
20	T(L=21) + HB2	-18.751	0.519	-15.865	-1.321	-15.865	0.507	-13.437
21	T(L=26) + HB2	-17.916	1.337	-12.115	-0.996	-12.115	1.337	-5.913
22	T(L=6) + HB1	-18.693	0.708	-14.933	-1.337	-14.933	0.696	-11.613
23	T(L=11) + HB1	-17.739	1.330	-12.138	-0.697	-12.138	1.330	-5.956
24	T(L=16) + HB1	-18.862	0.710	-14.920	-1.330	-14.920	0.697	-11.561
25	T(L=21) + HB1	-17.694	1.330	-12.138	-0.697	-12.138	1.330	-5.956
26	T(L=26) + HB1	-18.906	0.710	-14.920	-1.330	-14.920	0.697	-11.561
27	T(L=6) + HB2	-17.931	1.330	-12.138	-0.697	-12.138	1.330	-5.956
28	T(L=11) + HB2	-18.681	0.710	-14.920	-1.330	-14.920	0.697	-11.561
29	T(L=16) + HB2	-27.416	6.919	-1.391	-3.412	-1.391	4.427	13.445
30	T(L=21) + HB2	-28.313	5.916	-6.064	-4.427	-6.064	3.412	4.104
31	T(L=26) + HB2	-27.477	6.734	-2.313	-3.601	-2.313	4.242	11.528
32	T(L=6) + HB1	-28.255	6.105	-5.141	-4.542	-5.141	3.601	5.928
33	T(L=11) + HB1	-27.301	6.727	-2.336	-3.603	-2.336	4.235	11.585
34	T(L=16) + HB1	-28.423	6.107	-5.118	-4.235	-5.118	3.603	5.980
35	T(L=21) + HB1	-27.256	6.727	-2.336	-3.603	-2.336	4.235	11.585
36	T(L=26) + HB1	-28.468	6.107	-5.118	-4.235	-5.118	3.603	5.980
37	T(L=6) + HB2	-27.493	6.727	-2.336	-3.603	-2.336	4.236	11.585
38	T(L=11) + HB2	-28.243	6.107	-5.118	-4.236	-5.118	3.603	5.980

NO.	LOAD NAME	Q-Z(T) 77 - 66	M-Y(T,M) 77 - 82	Q-Z(T) 77 - 88	M-Y(T,M) 88 - 77	Q-Z(T) 88 - 77	M-Y(T,M) 88 - 99	Q-Z(T) 88 - 99
1		1.923	10.178	6.514	22.826	1.091	22.826	-1.091
2		-6.687	59.767	7.014	61.188	6.405	61.188	-6.405
3	HA1	1.300	5.138	3.173	2.569	0.551	3.173	-0.551
4	HA2	-4.095	-29.604	-0.551	-14.804	-3.173	-14.804	0.551
5	(L=6)	10.963	93.639	14.360	73.342	7.885	73.342	-7.885
6	(L=11)	-15.082	-35.174	-8.619	-17.588	-7.885	-17.588	7.885
7	(L=16)	0.596	4.639	0.578	2.320	0.497	2.320	-0.497
8	(L=21)	-0.469	-4.693	-0.497	-2.347	-0.503	-2.347	0.503
9	(L=26)	0.469	2.824	0.445	1.412	0.303	1.412	-0.303
10	HB1	-0.310	-2.871	-0.303	-1.436	-0.308	-1.436	0.303
11	HB2	0.470	2.781	0.442	1.390	0.298	1.390	-0.298
12	T(L=6) + HB1	-0.303	-2.818	-0.298	-1.409	-0.302	-1.409	0.302
13	T(L=11) + HB1	0.468	2.781	0.441	1.390	0.298	1.390	-0.298
14	T(L=16) + HB1	-0.303	-2.818	-0.298	-1.409	-0.302	-1.409	0.302
15	T(L=21) + HB1	0.468	2.781	0.441	1.390	0.298	1.390	-0.298
16	T(L=26) + HB1	-0.303	-2.818	-0.298	-1.409	-0.302	-1.409	0.302
17	T(L=6) + HB2	-1.027	-8.728	0.935	-4.364	-0.935	-4.364	0.935
18	T(L=11) + HB2	-1.440	-8.793	1.550	-10.210	-0.942	-10.210	0.942
19	T(L=16) + HB2	-0.431	-4.088	1.513	-2.045	-0.438	-2.045	0.438
20	T(L=21) + HB2	-1.521	-13.421	0.438	-6.711	-1.438	-6.711	1.438
21	T(L=26) + HB2	-0.557	-5.904	1.381	-2.952	-0.633	-2.952	0.633
22	T(L=6) + HB1	-1.337	-11.599	0.633	-5.800	-1.243	-5.800	1.243
23	T(L=11) + HB1	-0.557	-5.947	1.377	-2.974	-0.637	-2.974	0.637
24	T(L=16) + HB1	-1.330	-11.546	0.637	-5.774	-1.238	-5.774	1.238
25	T(L=21) + HB1	-0.559	-5.947	1.376	-2.974	-0.637	-2.974	0.637
26	T(L=26) + HB1	-1.330	-11.546	0.637	-5.774	-1.238	-5.774	1.238
27	T(L=6) + HB2	-0.844	-13.433	2.128	12.529	1.440	12.529	-1.440
28	T(L=11) + HB2	-1.935	-4.100	1.052	7.863	0.439	7.863	-0.439
29	T(L=16) + HB2	-0.971	11.617	1.995	11.621	1.245	11.621	-1.245
30	T(L=21) + HB2	-1.750	5.922	1.247	8.774	0.635	8.774	-0.635
31	T(L=26) + HB2	-0.971	11.574	1.991	11.600	1.240	11.600	-1.240
32	T(L=6) + HB1	-1.744	5.975	1.252	8.800	0.640	8.800	-0.640
33	T(L=11) + HB1	-0.972	11.574	1.990	11.600	1.240	11.600	-1.240
34	T(L=16) + HB1	-1.744	5.975	1.252	8.800	0.640	8.800	-0.640
35	T(L=21) + HB1	-0.972	11.574	1.990	11.600	1.240	11.600	-1.240
36	T(L=26) + HB1	-1.744	5.975	1.252	8.800	0.640	8.800	-0.640

** UHUKU BRIDGE **

NO.	LOAD NAME	M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)	
		99	- 88	99	- 86	1	- 2	2	- 1	2	- 1	2	- 3
1		0.007		8.695		-0.028		0.020		0.015		-0.020	
2		0.020		19.824		-0.074		0.067		0.058		-0.067	
3	HAT	0.000		0.551		0.007		0.083		0.072		0.005	
4	HA2	-0.005		-5.173		-0.093		-0.004		-0.083		-0.020	
		0.024		21.445		0.021		0.078		0.068		0.019	
		-0.006		-5.770		-0.089		-0.019		-0.017		-0.021	
5	(L=6)	0.001		0.497		0.020		0.115		0.092		0.019	
		-0.001		-0.503		-0.137		-0.019		-0.017		-0.019	
6	(L=11)	0.000		0.503		0.013		0.091		0.072		0.018	
		-0.000		-0.308		-0.109		-0.012		-0.011		-0.020	
7	(L=16)	0.000		0.298		0.013		0.089		0.070		0.020	
		-0.000		-0.302		-0.108		-0.011		-0.011		-0.022	
8	(L=21)	0.000		0.298		0.013		0.089		0.070		0.019	
		-0.000		-0.302		-0.108		-0.011		-0.011		-0.021	
9	(L=26)	0.000		0.298		0.013		0.089		0.070		0.019	
		-0.000		-0.302		-0.108		-0.011		-0.011		-0.019	
10	HB1	-0.001		-0.935		-0.016		0.017		0.018		-0.005	
11	HB2	0.003		5.434		0.010		0.011		0.012		-0.005	
12	T(L=6) + HB1	-0.001		-0.438		0.004		0.132		0.110		0.012	
		-0.002		-1.438		-0.153		-0.002		-0.001		-0.024	
13	T(L=11) + HB1	-0.001		-0.633		0.002		0.108		0.090		0.013	
		-0.002		-1.243		-0.125		-0.005		-0.007		-0.025	
14	T(L=16) + HB1	-0.001		-0.637		-0.003		0.107		0.089		0.015	
		-0.002		-1.238		-0.124		-0.006		-0.008		-0.027	
15	T(L=21) + HB1	-0.001		-0.637		-0.003		0.107		0.089		0.014	
		-0.002		-1.238		-0.124		-0.006		-0.008		-0.026	
16	T(L=26) + HB1	-0.001		-0.637		-0.003		0.107		0.089		0.014	
		-0.002		-1.238		-0.124		-0.006		-0.008		-0.025	
17	T(L=6) + HB2	0.004		3.931		0.010		0.126		0.104		0.013	
		0.003		2.931		-0.147		-0.008		-0.005		-0.024	
18	T(L=11) + HB2	0.004		3.736		0.003		0.102		0.084		0.015	
		0.003		3.126		-0.119		-0.001		-0.001		-0.025	
19	T(L=16) + HB2	0.004		3.732		0.003		0.101		0.085		0.015	
		0.003		3.132		-0.118		-0.000		-0.001		-0.027	
20	T(L=21) + HB2	0.004		3.732		0.003		0.101		0.083		0.014	
		0.003		3.132		-0.118		-0.000		-0.001		-0.025	
21	T(L=26) + HB2	0.004		3.732		0.003		0.101		0.083		0.014	
		0.003		3.132		-0.118		-0.000		-0.001		-0.024	

NO.	LOAD NAME	Q-Z(T)		M-Y(T.M)		Q-Z(T)		M-Y(T.M)		Q-Z(T)		M-Y(T.M)	
		2	3	3	2	3	2	3	2	3	3	2	3
1		-0.002	0.000	0.000	0.002	0.002	0.009	-0.009	0.008	0.009	0.009	-0.009	0.008
2		0.011	0.012	0.012	0.011	-0.011	0.054	-0.055	0.052	0.054	0.054	-0.054	0.052
3	HA1	0.019	0.019	0.019	0.019	0.007	0.062	-0.062	0.060	0.062	0.062	-0.062	0.060
4	HA2	0.019	0.019	0.019	0.019	0.007	0.058	-0.058	0.056	0.058	0.058	-0.058	0.056
5	(L=6)	-0.008	0.011	0.011	0.010	-0.020	0.014	-0.014	-0.013	-0.014	-0.014	0.013	-0.012
6	(L=11)	-0.010	0.003	0.003	0.015	-0.015	0.032	-0.032	0.025	0.032	0.032	-0.032	0.025
7	(L=16)	-0.011	0.003	0.003	0.011	-0.011	0.009	-0.009	0.010	0.009	0.009	-0.010	0.010
8	(L=21)	-0.012	0.004	0.004	0.012	-0.012	0.027	-0.027	0.016	0.027	0.027	-0.016	0.016
9	(L=26)	-0.011	0.004	0.004	0.011	-0.011	0.009	-0.009	0.015	0.009	0.009	-0.015	0.015
10	HB1	0.006	0.006	0.006	0.006	0.006	0.032	-0.032	0.006	0.032	0.032	-0.006	0.006
11	HS2	0.005	0.005	0.005	0.005	0.005	0.024	-0.024	0.030	0.024	0.024	-0.030	0.030
12	T(L=6) + HB1	0.020	0.005	0.005	0.020	-0.020	0.018	-0.018	0.055	0.020	0.020	-0.055	0.055
13	T(L=11) + HB1	0.021	0.016	0.016	0.021	-0.021	0.071	-0.071	0.020	0.021	0.021	-0.020	0.020
14	T(L=16) + HB1	0.005	0.002	0.002	0.023	-0.023	0.059	-0.059	0.046	0.023	0.023	-0.046	0.046
15	T(L=21) + HB1	0.006	0.001	0.001	0.024	-0.024	0.059	-0.059	0.023	0.024	0.024	-0.023	0.023
16	T(L=26) + HB1	0.021	0.006	0.006	0.017	-0.017	0.023	-0.023	0.046	0.023	0.023	-0.046	0.046
17	T(L=6) + HB2	0.020	0.017	0.017	0.020	-0.020	0.011	-0.011	0.047	0.020	0.020	-0.047	0.047
18	T(L=11) + HB2	0.005	0.003	0.003	0.020	-0.020	0.063	-0.063	0.013	0.020	0.020	-0.013	0.013
19	T(L=16) + HB2	0.022	0.002	0.002	0.016	-0.016	0.015	-0.015	0.039	0.022	0.022	-0.039	0.039
20	T(L=21) + HB2	0.007	0.002	0.002	0.017	-0.017	0.051	-0.051	0.016	0.007	0.007	-0.016	0.016
21	T(L=26) + HB2	0.021	0.006	0.006	0.017	-0.017	0.051	-0.051	0.038	0.021	0.021	-0.038	0.038
		0.020	0.017	0.017	0.020	-0.020	0.016	-0.016	0.016	0.020	0.020	-0.016	0.016
		-0.006	0.002	0.002	0.020	-0.020	0.051	-0.051	0.016	-0.006	-0.006	0.051	-0.016

NO.	LOAD NAME	M-Y(T,M) 4 - 5	Q-Z(T) 4 - 5	M-Y(T,M) 5 - 4	Q-Z(T) 5 - 4	M-Y(T,M) 5 - 6	Q-Z(T) 5 - 6	M-Y(T,M) 6 - 5	Q-Z(T) 6 - 5
1		-0.001	0.001	0.000	-0.001	-0.009	0.010	0.012	0.010
2		-0.015	0.014	0.014	-0.015	-0.053	0.052	0.050	0.050
3	HA1	0.006	0.020	0.020	0.005	0.002	0.060	0.058	0.060
4	HA2	-0.021	-0.005	-0.005	-0.021	-0.020	-0.002	-0.002	-0.002
		0.020	0.020	0.020	0.005	0.013	0.056	0.054	0.054
		-0.004	-0.005	-0.005	-0.021	-0.057	-0.012	-0.012	-0.012
5	(L=6)	0.003	0.001	0.001	0.002	0.005	0.006	0.004	0.004
		-0.001	-0.002	-0.002	-0.001	-0.008	-0.004	-0.004	-0.004
6	(L=11)	0.003	0.001	0.001	0.001	0.003	0.004	0.003	0.003
		-0.001	-0.001	-0.001	-0.001	-0.003	-0.003	-0.003	-0.003
7	(L=16)	0.003	0.001	0.001	0.001	0.003	0.004	0.003	0.003
		-0.001	-0.001	-0.001	-0.001	-0.003	-0.003	-0.003	-0.003
8	(L=21)	0.003	0.001	0.001	0.001	0.003	0.004	0.003	0.003
		-0.001	-0.001	-0.001	-0.001	-0.003	-0.003	-0.003	-0.003
9	(L=26)	0.003	0.001	0.001	0.001	0.003	0.004	0.003	0.003
		-0.001	-0.001	-0.001	-0.001	-0.003	-0.003	-0.003	-0.003
10	HB1	-0.006	0.005	0.005	-0.001	-0.026	0.025	-0.023	0.023
11	HB2	-0.005	0.005	0.005	-0.005	-0.019	0.018	0.016	0.016
12	T(L=6) + HB1	-0.002	0.006	0.006	0.006	-0.021	0.031	0.027	0.027
		-0.007	0.004	0.004	-0.006	-0.035	0.021	0.019	0.019
13	T(L=11) + HB1	-0.003	0.006	0.006	0.006	-0.023	0.029	0.026	0.026
		-0.007	0.004	0.004	-0.006	-0.032	0.022	0.021	0.021
14	T(L=16) + HB1	-0.003	0.006	0.006	0.006	-0.023	0.029	0.026	0.026
		-0.007	0.004	0.004	-0.006	-0.031	0.022	0.020	0.020
15	T(L=21) + HB1	-0.003	0.006	0.006	0.006	-0.023	0.029	0.026	0.026
		-0.007	0.004	0.004	-0.006	-0.031	0.022	0.020	0.020
16	T(L=26) + HB1	-0.003	0.006	0.006	0.006	-0.023	0.029	0.026	0.026
		-0.007	0.004	0.004	-0.006	-0.031	0.022	0.020	0.020
17	T(L=6) + HB2	-0.006	0.006	0.006	0.006	-0.027	0.013	0.012	0.012
		-0.006	0.004	0.004	-0.006	-0.015	0.021	0.019	0.019
18	T(L=11) + HB2	-0.006	0.006	0.006	0.006	-0.024	0.015	0.014	0.014
		-0.006	0.004	0.004	-0.006	-0.015	0.021	0.019	0.019
19	T(L=16) + HB2	-0.006	0.006	0.006	0.006	-0.024	0.015	0.013	0.013
		-0.007	0.004	0.004	-0.006	-0.015	0.021	0.019	0.019
20	T(L=21) + HB2	-0.006	0.006	0.006	0.006	-0.024	0.015	0.013	0.013
		-0.007	0.004	0.004	-0.006	-0.016	0.021	0.019	0.019
21	T(L=26) + HB2	-0.006	0.006	0.006	0.006	-0.024	0.015	0.013	0.013
		-0.006	0.004	0.004	-0.006	-0.015	0.021	0.019	0.019

NO.	LOAD NAME	Q-Z(T) 6-5	M-Y(T,M) 6-7	Q-Z(T) 6-7	M-Y(T,M) 7-6	Q-Z(T) 7-6	M-Y(T,M) 7-8	Q-Z(T) 7-8
1		-0.010	-0.006	0.005	0.004	-0.005	-0.005	0.005
2		-0.052	-0.017	0.019	0.021	-0.019	-0.047	0.045
3	HA1	0.002	0.005	0.024	0.026	0.004	0.002	0.052
4	HA2	-0.060	-0.023	-0.004	-0.004	-0.024	-0.054	-0.002
		0.012	0.005	0.023	0.025	0.004	0.011	0.049
		-0.056	-0.022	-0.005	-0.005	-0.024	-0.050	-0.010
5	(L=6)	0.004	0.002	0.000	0.000	0.001	0.003	0.001
		-0.006	-0.001	-0.001	-0.001	-0.000	-0.001	-0.003
6	(L=11)	0.003	0.001	0.000	0.000	0.001	0.002	0.001
		-0.004	-0.000	-0.001	-0.001	-0.000	-0.001	-0.002
7	(L=16)	0.003	0.001	0.000	0.000	0.001	0.002	0.001
		-0.004	-0.000	-0.001	-0.001	-0.000	-0.001	-0.002
8	(L=21)	0.003	0.001	0.000	0.000	0.001	0.002	0.001
		-0.004	-0.000	-0.001	-0.001	-0.000	-0.001	-0.002
9	(L=26)	0.004	0.001	0.000	0.000	0.001	0.002	0.001
		-0.004	-0.000	-0.001	-0.001	-0.000	-0.001	-0.002
10	HB1	0.025	0.004	0.005	0.007	0.005	0.021	0.020
11	HB2	-0.018	-0.002	-0.004	-0.006	-0.004	-0.015	0.014
12	T(L=6) + HB1	-0.021	-0.002	0.005	0.007	0.004	-0.018	0.021
		0.031	0.004	0.004	0.006	0.005	0.022	0.017
13	T(L=11) + HB1	-0.022	-0.002	0.005	0.007	0.004	-0.019	0.021
		0.029	0.004	0.004	0.006	0.005	0.022	0.018
14	T(L=16) + HB1	-0.022	-0.002	0.005	0.007	0.004	-0.019	0.021
		0.029	0.004	0.004	0.006	0.005	0.022	0.018
15	T(L=21) + HB1	-0.022	-0.002	0.005	0.007	0.004	-0.019	0.021
		0.029	0.004	0.004	0.006	0.005	0.022	0.018
16	T(L=26) + HB1	-0.022	-0.002	0.005	0.007	0.004	-0.019	0.021
		0.029	0.004	0.004	0.006	0.005	0.022	0.018
17	T(L=6) + HB2	-0.013	-0.001	0.005	0.006	0.003	-0.012	0.015
		-0.024	-0.002	0.003	-0.004	-0.005	-0.016	0.011
18	T(L=11) + HB2	-0.015	-0.002	0.005	0.006	0.004	-0.013	0.015
		-0.021	-0.002	0.004	-0.005	-0.004	-0.016	0.012
19	T(L=16) + HB2	-0.015	-0.002	0.005	0.006	0.004	-0.013	0.015
		-0.021	-0.002	0.004	-0.005	-0.004	-0.016	0.012
20	T(L=21) + HB2	-0.015	-0.002	0.005	0.006	0.004	-0.013	0.015
		-0.021	-0.002	0.003	-0.005	-0.003	-0.016	0.012
21	T(L=26) + HB2	-0.015	-0.002	0.005	0.006	0.004	-0.013	0.015
		-0.021	-0.002	0.003	-0.005	-0.003	-0.016	0.012

NO.	LOAD NAME	M-Y(T,M) 8 - 7	Q-Z(T) T 8 - 7	M-Y(T,M) 8 - 9	Q-Z(T) T 8 - 9	M-Y(T,M) 9 - 8	Q-Z(T) T 9 - 8	M-Y(T,M) 9 - 10
1		0.005	-0.005	-0.004	0.004	0.005	-0.004	-0.005
2		0.043	-0.045	-0.024	0.025	0.026	-0.025	-0.042
3	H A1	0.050	0.002	0.004	0.031	0.031	0.003	0.002
4	H A2	-0.002	-0.052	-0.030	-0.003	-0.003	-0.031	-0.051
5	(L=6)	0.047	0.010	0.005	0.029	0.030	0.005	0.011
6	(L=11)	-0.010	-0.049	-0.029	-0.005	-0.005	-0.029	-0.048
7	(L=16)	0.001	0.003	0.002	0.001	0.001	0.002	0.003
8	(L=21)	-0.003	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002
9	(L=26)	0.001	0.002	0.001	0.000	0.000	0.001	0.002
10	H B1	-0.002	-0.001	-0.000	-0.001	-0.001	-0.001	-0.001
11	H B2	0.001	0.002	0.001	0.000	0.000	0.001	0.002
12	T(L=6) + H B1	-0.002	-0.001	-0.000	-0.001	-0.001	-0.000	-0.001
13	T(L=11) + H B1	0.001	0.001	0.001	0.000	0.000	0.000	0.002
14	T(L=16) + H B1	-0.002	-0.001	-0.000	-0.001	-0.001	-0.000	-0.001
15	T(L=21) + H B1	0.001	0.001	0.001	0.000	0.000	0.000	0.001
16	T(L=26) + H B1	-0.001	-0.001	-0.000	-0.001	-0.001	-0.000	-0.001
17	T(L=6) + H B2	0.019	-0.020	0.008	0.009	0.009	-0.009	-0.017
18	T(L=11) + H B2	0.013	-0.014	0.006	0.007	0.007	-0.007	-0.012
19	T(L=16) + H B2	0.020	-0.017	0.007	0.009	0.009	-0.007	-0.014
20	T(L=21) + H B2	0.016	-0.021	0.007	0.009	0.009	-0.009	-0.019
21	T(L=26) + H B2	0.019	-0.018	0.009	0.008	0.008	-0.008	-0.015
22	T(L=6) + H B1	0.017	-0.021	0.007	0.009	0.009	-0.008	-0.018
23	T(L=11) + H B1	0.017	-0.021	0.009	0.009	0.009	-0.009	-0.018
24	T(L=16) + H B1	0.017	-0.021	0.009	0.009	0.009	-0.009	-0.018
25	T(L=21) + H B1	0.010	-0.015	0.007	0.005	0.006	-0.007	-0.014
26	T(L=26) + H B1	0.014	-0.012	0.005	0.007	0.007	-0.006	-0.010
27	T(L=6) + H B2	0.011	-0.015	0.007	0.006	0.006	-0.007	-0.013
28	T(L=11) + H B2	0.014	-0.012	0.005	0.007	0.007	-0.006	-0.010
29	T(L=16) + H B2	0.011	-0.015	0.007	0.006	0.006	-0.007	-0.013
30	T(L=21) + H B2	0.014	-0.012	0.005	0.007	0.007	-0.006	-0.010
31	T(L=26) + H B2	0.011	-0.015	0.007	0.006	0.006	-0.007	-0.013
32	T(L=6) + H B1	0.014	-0.012	0.005	0.007	0.007	-0.006	-0.010
33	T(L=11) + H B1	0.011	-0.015	0.007	0.006	0.006	-0.007	-0.013
34	T(L=16) + H B1	0.014	-0.012	0.005	0.007	0.007	-0.006	-0.010
35	T(L=21) + H B1	0.011	-0.015	0.007	0.006	0.006	-0.007	-0.013
36	T(L=26) + H B1	0.014	-0.012	0.005	0.007	0.007	-0.006	-0.010

NO.	LOAD NAME	Q-ZC (T) 9 - 10	M-Y (T, M) 10 - 9	Q-ZC (T) 10 - 9	M-Y (T, M) 10 - 11	Q-ZC (T) 10 - 11	M-Y (T, M) 11 - 10	Q-ZC (T) 11 - 10
1		0.002	-0.001	-0.002	-0.010	0.019	0.028	-0.019
2		0.036	0.031	-0.036	-0.038	0.057	0.075	-0.057
3	HA1	0.047	0.043	0.004	0.003	0.071	0.095	0.005
4	HA2	-0.004	-0.007	-0.004	-0.004	-0.005	-0.007	-0.072
		0.044	0.040	0.011	0.009	0.067	0.090	0.015
		-0.011	-0.012	-0.044	-0.046	-0.015	-0.022	-0.068
5	(L=6)	0.001	0.001	0.003	0.001	0.002	0.003	0.002
		-0.003	-0.002	-0.001	-0.001	-0.002	-0.003	-0.002
6	(L=11)	0.001	0.001	0.002	0.001	0.001	0.002	0.001
		-0.002	-0.001	-0.001	-0.001	-0.001	-0.002	-0.001
7	(L=16)	0.001	0.001	0.002	0.001	0.001	0.002	0.001
		-0.002	-0.001	-0.001	-0.001	-0.001	-0.002	-0.001
8	(L=21)	0.001	0.001	0.002	0.001	0.001	0.002	0.001
		-0.002	-0.001	-0.001	-0.001	-0.001	-0.002	-0.001
9	(L=26)	0.001	0.001	0.002	0.001	0.001	0.002	0.001
		-0.002	-0.001	-0.001	-0.001	-0.001	-0.002	-0.001
10	HB1	0.015	0.013	0.015	0.013	0.020	0.026	-0.020
11	HB2	0.011	0.009	-0.011	-0.010	0.015	0.019	-0.015
12	T(L=6) + HB1	0.016	0.014	0.012	0.011	0.022	0.029	-0.017
		0.012	0.010	-0.016	-0.014	0.017	0.023	-0.022
13	T(L=11) + HB1	0.016	0.013	0.013	0.012	0.021	0.028	-0.018
		0.013	0.011	-0.016	-0.014	0.018	0.024	-0.021
14	T(L=16) + HB1	0.016	0.013	0.013	0.012	0.021	0.028	-0.018
		0.013	0.011	-0.016	-0.014	0.018	0.024	-0.021
15	T(L=21) + HB1	0.016	0.013	0.013	0.012	0.021	0.028	-0.018
		0.013	0.011	-0.016	-0.014	0.018	0.024	-0.021
16	T(L=26) + HB1	0.016	0.013	0.013	0.012	0.021	0.028	-0.018
		0.013	0.011	-0.016	-0.014	0.018	0.024	-0.021
17	T(L=6) + HB2	0.012	0.010	0.008	0.008	0.017	0.022	-0.013
		0.008	0.007	-0.012	-0.011	0.013	0.017	-0.017
18	T(L=11) + HB2	0.011	0.010	0.009	0.009	0.016	0.021	-0.013
		0.009	0.008	-0.011	-0.011	0.013	0.018	-0.016
19	T(L=16) + HB2	0.011	0.010	0.009	0.009	0.016	0.021	-0.013
		0.009	0.008	-0.011	-0.011	0.013	0.018	-0.016
20	T(L=21) + HB2	0.011	0.010	0.009	0.009	0.016	0.021	-0.013
		0.009	0.008	-0.011	-0.011	0.013	0.018	-0.016
21	T(L=26) + HB2	0.011	0.010	0.009	0.009	0.016	0.021	-0.013
		0.009	0.008	-0.011	-0.011	0.013	0.018	-0.016

** UMURU BRIDGE **

NO.	LOAD NAME	M-Y(T.M)		Q-Z(T)		M-Y(T.M)		Q-Z(T)		M-Y(T.M)		Q-Z(T)	
		23	24	23	24	24	25	24	25	24	25	24	25
1		-0.054	-16.612	-8.553	8.363	-16.667	1.031	-14.627	-1.743	1.031	-14.627	-1.743	1.031
2		-0.218	-1.473	-0.634	0.634	-1.477	-0.034	-1.743	-0.034	-1.743	-0.034	-1.743	-0.034
3	HA1	0.041	28.545	14.531	12.957	28.545	12.957	28.545	12.957	28.545	12.957	28.545	12.957
4	HA2	-0.367	-25.769	-12.957	-14.531	-25.769	-14.531	-25.769	-14.531	-25.769	-14.531	-25.769	-14.531
5	(L=6)	0.159	29.941	15.895	13.895	29.941	13.895	29.941	13.895	29.941	13.895	29.941	13.895
6	(L=11)	-0.353	-27.570	-15.895	-15.209	-27.570	-15.209	-27.570	-15.209	-27.570	-15.209	-27.570	-15.209
7	(L=16)	0.173	29.029	14.716	21.335	29.029	21.335	29.029	21.335	29.029	21.335	29.029	21.335
8	(L=21)	-0.443	-42.403	-21.555	-14.716	-42.403	-14.716	-42.403	-14.716	-42.403	-14.716	-42.403	-14.716
9	(L=26)	0.112	20.227	10.251	14.048	20.227	14.048	20.227	14.048	20.227	14.048	20.227	14.048
10	HB1	-0.318	-27.951	-14.048	-10.251	-27.951	-10.251	-27.951	-10.251	-27.951	-10.251	-27.951	-10.251
11	HB2	0.105	20.284	10.269	14.191	20.284	14.191	20.284	14.191	20.284	14.191	20.284	14.191
12	T(L=6) + HB1	-0.318	-28.241	-14.191	-10.269	-28.241	-10.269	-28.241	-10.269	-28.241	-10.269	-28.241	-10.269
13	T(L=11) + HB1	0.105	21.998	10.879	14.191	21.998	14.191	21.998	14.191	21.998	14.191	21.998	14.191
14	T(L=16) + HB1	-0.105	-28.241	-14.191	-10.269	-28.241	-10.269	-28.241	-10.269	-28.241	-10.269	-28.241	-10.269
15	T(L=21) + HB1	0.083	42.220	21.474	21.424	42.220	21.424	42.220	21.424	42.220	21.424	42.220	21.424
16	T(L=26) + HB1	-0.023	-33.419	-16.959	-7.340	-33.419	-7.340	-33.419	-7.340	-33.419	-7.340	-33.419	-7.340
17	T(L=6) + HB2	0.015	33.475	16.978	16.959	33.475	16.959	33.475	16.959	33.475	16.959	33.475	16.959
18	T(L=11) + HB2	-0.408	-15.050	-7.482	-16.978	-15.050	-16.978	-15.050	-16.978	-15.050	-16.978	-15.050	-16.978
19	T(L=16) + HB2	0.015	34.689	17.588	17.482	34.689	17.482	34.689	17.482	34.689	17.482	34.689	17.482
20	T(L=21) + HB2	-0.408	-15.050	-7.482	-17.588	-15.050	-17.588	-15.050	-17.588	-15.050	-17.588	-15.050	-17.588
21	T(L=26) + HB2	0.053	30.940	15.858	15.858	30.940	15.858	30.940	15.858	30.940	15.858	30.940	15.858

NO.	LOAD NAME	Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)	
		25	24	25	26	25	26	26	25	26	27	26	27
1		-1.031		-14.661	2.736	-9.245	-2.736	-9.274	3.878				
2		0.034		-1.946	0.273	-1.405	-0.273	-1.806	0.355				
3	HAI (+)	12.842		50.053	17.166	15.039	15.039	60.864	19.071				
4	HAZ (-)	-16.083		-41.927	-15.039	-48.451	-17.166	-48.538	-18.128				
5	(L=6) (+)	14.274		53.324	18.002	66.365	19.710	66.365	19.710				
6	(L=11) (+)	-17.013		-66.594	-16.283	-55.768	-18.002	-55.804	-19.033				
7	(L=16) (+)	15.790		21.600	4.753	18.486	8.343	18.548	6.630				
8	(L=21) (+)	3.927		-58.915	-8.343	-61.997	-6.753	-62.120	-4.492				
9	(L=26) (+)	9.964		15.747	3.400	13.531	5.319	13.571	4.313				
10	HBI (-)	-3.027		-37.465	-5.319	-38.839	-3.400	-38.914	-1.878				
11	HBI (-)	9.937		15.440	5.376	12.913	3.736	12.950	4.326				
12	T(L=6) + HBI (+)	3.021		-37.566	-5.376	-38.839	-3.736	-38.914	-1.971				
13	T(L=11) + HBI (+)	9.986		15.886	4.031	12.913	5.426	12.950	4.705				
14	T(L=16) + HBI (+)	3.021		-37.566	-5.426	-38.839	-4.031	-38.914	-1.971				
15	T(L=21) + HBI (+)	9.995		15.572	5.419	12.913	5.419	12.950	4.460				
16	T(L=26) + HBI (+)	-11.466		-35.662	-3.678	-38.839	-3.678	-38.914	-1.971				
17	T(L=6) + HB2 (+)	-9.283		28.449	-3.414	21.690	3.414	21.599	-9.694				
18	T(L=11) + HB2 (+)	4.324		-57.262	1.075	66.864	-12.021	66.789	-3.064				
19	T(L=16) + HB2 (+)	-15.394		-23.255	-12.021	-33.618	-1.075	-33.878	-12.185				
20	T(L=21) + HB2 (+)	-1.502		51.409	-0.278	41.910	8.997	41.813	-5.381				
21	T(L=26) + HB2 (+)	-14.493		-1.803	-8.997	-10.460	0.278	-10.460	-11.572				
22	T(L=6) + HB2 (+)	-1.529		51.102	0.058	41.292	-0.058	41.192	-5.368				
23	T(L=11) + HB2 (+)	-14.488		-1.904	-9.062	-10.460	-0.058	-10.672	-11.664				
24	T(L=16) + HB2 (+)	1.487		-51.546	0.353	41.292	9.105	41.192	-4.988				
25	T(L=21) + HB2 (+)	-14.488		-1.904	-9.105	-10.460	-0.353	-10.672	-11.664				
26	T(L=26) + HB2 (+)	-1.472		51.234	0.128	41.292	9.097	41.192	-5.234				
27	T(L=6) + HB2 (+)	-14.488		-1.904	-9.097	-10.460	-0.128	-10.672	-11.664				
28	T(L=11) + HB2 (+)	6.508		50.050	1.340	40.176	11.757	40.146	-1.537				
29	T(L=16) + HB2 (+)	-13.210		-30.466	-11.757	-40.307	-1.340	-40.521	-10.659				
30	T(L=21) + HB2 (+)	0.681		44.197	-0.014	35.222	8.732	35.170	-3.855				
31	T(L=26) + HB2 (+)	-12.310		-9.016	-8.732	-17.148	0.014	-17.315	-10.046				
32	T(L=6) + HB2 (+)	0.655		43.890	0.323	34.604	8.798	34.549	-3.841				
33	T(L=11) + HB2 (+)	-12.304		-9.116	-8.798	-17.148	-0.323	-17.315	-10.138				
34	T(L=16) + HB2 (+)	0.703		44.335	0.618	34.604	8.840	34.549	-3.402				
35	T(L=21) + HB2 (+)	-12.304		-9.116	-8.840	-17.148	-0.618	-17.315	-10.138				
36	T(L=26) + HB2 (+)	0.712		44.022	0.393	34.604	8.832	34.549	-3.708				
37	T(L=6) + HB2 (+)	-12.304		-9.116	-8.832	-17.148	-0.393	-17.315	-10.138				

NO.	LOAD NAME	M-Y(T,M) 27 - 26	Q-Z(T) 27 - 20	M-Y(T,M) 27 - 28	Q-Z(T) 27 - 28	M-Y(T,M) 28 - 27	Q-Z(T) 28 - 27	M-Y(T,M) 28 - 29
1		-1.594	-5.828	-1.625	5.350	8.971	-5.350	8.954
2		-0.943	-0.335	-1.141	0.124	-0.895	-0.124	-1.024
3	HA1 (+)	64.428	18.128	64.231	20.197	64.718	19.927	64.515
4	HA2 (-)	-48.875	-19.071	-48.934	-19.927	-48.672	-20.197	-48.708
5	(L=6) (+)	71.682	19.033	71.516	20.791	72.630	20.631	72.455
6	(L=11) (-)	-57.947	-19.710	-57.951	-20.631	-58.333	-20.791	-58.317
7	(L=16) (+)	19.862	2.492	19.917	7.475	18.125	1.373	18.138
8	(L=21) (-)	-54.974	-6.630	-55.025	-1.373	-40.997	-7.475	-41.002
9	(L=26) (+)	13.752	1.878	13.774	4.726	11.862	1.164	11.869
10	(L=16) (+)	12.932	1.971	12.951	4.746	11.128	1.166	11.135
11	(L=21) (-)	-34.276	-4.313	-34.307	-1.164	-25.407	-4.726	-25.410
12	(L=26) (+)	12.932	1.971	12.951	4.746	11.128	1.166	11.135
13	(L=16) (+)	12.932	1.971	12.951	4.746	11.128	1.166	11.135
14	(L=21) (-)	-34.276	-4.313	-34.307	-1.164	-25.407	-4.726	-25.410
15	(L=26) (+)	12.932	1.971	12.951	4.746	11.128	1.166	11.135
16	T(L=6) + HB1 (+)	28.927	12.785	28.823	0.203	28.024	8.445	12.901
17	T(L=11) + HB1 (+)	-45.928	3.064	-46.119	-8.445	-46.097	-0.403	-46.239
18	T(L=16) + HB1 (+)	22.798	11.572	22.680	2.346	6.761	8.237	6.633
19	T(L=21) + HB1 (+)	-25.230	5.381	-25.401	-8.237	-30.507	-2.346	-30.647
20	T(L=26) + HB1 (+)	21.978	11.664	21.858	2.347	6.028	8.238	5.898
21	T(L=6) + HB2 (-)	-25.230	5.368	-25.401	-8.238	-30.507	-2.347	-30.647
22	T(L=11) + HB2 (-)	21.978	11.664	21.858	2.345	6.028	8.238	5.898
23	T(L=16) + HB2 (-)	-25.230	4.988	-25.401	-8.238	-30.507	-2.295	-30.647
24	T(L=21) + HB2 (-)	21.978	11.664	21.858	2.347	6.028	8.238	5.898
25	T(L=26) + HB2 (-)	-25.230	5.234	-25.401	-8.238	-30.507	-2.327	-30.647
26	T(L=6) + HB2 (+)	25.307	10.659	25.251	1.790	12.199	7.058	12.125
27	T(L=11) + HB2 (+)	-49.548	1.537	-49.692	-7.058	-46.922	-1.790	-47.016
28	T(L=16) + HB2 (+)	19.177	10.046	19.108	-0.959	5.936	6.850	5.856
29	T(L=21) + HB2 (+)	-28.851	3.855	-28.973	-6.850	-31.333	-0.959	-31.423
30	T(L=26) + HB2 (+)	18.357	10.138	18.285	-0.959	5.202	6.851	5.122
31	T(L=6) + HB2 (-)	-28.851	3.841	-28.973	-6.851	-31.333	-0.959	-31.423
32	T(L=11) + HB2 (-)	18.357	10.136	18.285	-0.908	5.202	6.851	5.122
33	T(L=16) + HB2 (-)	-28.851	3.463	-28.973	-6.851	-31.333	-0.908	-31.423
34	T(L=21) + HB2 (-)	18.357	10.136	18.285	-0.940	5.202	6.851	5.122
35	T(L=26) + HB2 (-)	-28.851	3.708	-28.973	-6.851	-31.333	-0.940	-31.423

NO.	LOAD NAME	Q-Z(T) 28 - 29	M-Y(T,M) 29 - 28	Q-Z(T) 29 - 28	M-Y(T,M) 29 - 30	Q-Z(T) 29 - 30	M-Y(T,M) 30 - 29	Q-Z(T) 30 - 29
1		-5.328	-1.598	5.328	-1.628	-3.849	-9.253	3.849
2		0.080	-0.937	-0.080	-1.133	-0.092	-1.315	0.092
3	HA1	20.094	64.465	20.030	64.269	18.312	61.230	18.874
4	HA2	-20.030	-48.839	-20.094	-48.894	-18.874	-48.344	-18.312
5	(L=6)	20.736	71.679	20.682	71.512	19.152	66.612	19.575
6	(L=11)	-20.682	-57.920	-20.736	-57.923	-19.575	-55.709	-19.152
7	(L=16)	7.279	14.356	1.936	16.355	5.921	9.778	2.318
8	(L=21)	-1.936	-26.586	-7.279	-26.570	-2.318	-14.842	-5.921
9	(L=26)	4.572	9.104	1.457	9.103	3.684	6.060	1.579
10	HB1	-1.457	-16.355	-4.572	-16.345	-1.579	-9.091	-3.684
11	HB2	4.572	8.640	1.403	8.639	3.684	5.836	1.466
12	T(L=6) + HB1	-1.403	-16.355	-4.572	-16.345	-1.466	-9.051	-3.684
13	T(L=11) + HB1	4.605	8.640	1.403	8.639	3.684	5.836	1.466
14	T(L=16) + HB1	-1.403	-16.355	-4.572	-16.345	-1.466	-9.051	-3.684
15	T(L=21) + HB1	0.208	-4.825	-0.208	-4.945	1.171	-2.625	-1.171
16	T(L=26) + HB1	0.571	-4.883	-0.571	-4.958	1.258	-2.466	-1.258
17	T(L=6) + HB2	7.287	9.531	1.728	9.410	7.092	7.153	1.147
18	T(L=11) + HB2	-1.728	-31.410	-7.487	-31.516	-1.147	-17.467	-7.092
19	T(L=16) + HB2	4.780	4.279	1.249	4.158	4.855	3.434	0.408
20	T(L=21) + HB2	-1.249	-21.180	-4.780	-21.290	-0.408	-11.717	-4.855
21	T(L=26) + HB2	4.780	3.815	1.195	3.694	4.855	3.210	0.295
22	T(L=6) + HB2	-1.195	-21.180	-4.780	-21.290	-0.295	-11.677	-4.855
23	T(L=11) + HB2	4.833	3.815	1.195	3.694	4.855	3.210	0.295
24	T(L=16) + HB2	-1.195	-21.180	-4.833	-21.290	-0.295	-11.677	-4.855
25	T(L=21) + HB2	4.791	9.472	1.365	9.397	7.179	7.312	1.060
26	T(L=26) + HB2	7.850	-31.469	-7.850	-31.529	-1.060	-17.306	-7.179
27	T(L=6) + HB2	-1.365	-31.469	-7.850	-31.529	-1.060	-17.306	-7.179
28	T(L=11) + HB2	5.143	4.221	0.886	4.145	4.942	3.593	0.321
29	T(L=16) + HB2	-0.886	-21.238	-5.143	-21.303	-0.321	-11.558	-4.942
30	T(L=21) + HB2	5.143	3.757	0.833	3.681	4.942	3.369	0.208
31	T(L=26) + HB2	-0.833	-21.238	-5.143	-21.303	-0.208	-11.518	-4.942
32	T(L=6) + HB2	5.175	3.757	0.833	3.681	4.942	3.369	0.208
33	T(L=11) + HB2	-0.833	-21.238	-5.175	-21.303	-0.208	-11.518	-4.942
34	T(L=16) + HB2	5.153	3.757	0.833	3.681	4.942	3.369	0.208
35	T(L=21) + HB2	-0.833	-21.238	-5.153	-21.303	-0.208	-11.518	-4.942

NO.	LOAD NAME	M-Y(T,M)		Q-Z(T)		M-Y(T,M)		Q-Z(T)		M-Y(T,M)	
		30	31	30	31	31	30	31	32	32	31
1		-9.382	-2.699	-14.650	2.699	-14.664	-0.983	-16.611	-0.253	-1.265	-16.611
2		-1.516	-0.024	-1.563	0.024	-1.565	0.253	-1.765	13.024	28.900	-1.765
3	HA1	61.036	15.214	50.535	16.978	50.347	-15.941	25.600	-41.795	30.208	25.600
4	HA2	-48.433	-16.978	-41.684	17.870	53.656	14.406	-16.917	-16.917	-27.558	-16.917
5	(L=6)	66.453	16.405	53.656	-16.405	-46.576	2.364	1.984	2.364	1.984	1.984
6	(L=11)	-55.746	-17.870	-46.576	17.870	5.405	-1.720	-2.008	-1.720	-2.008	-2.008
7	(L=16)	9.749	4.091	5.405	-4.091	-6.690	1.447	1.215	1.447	1.215	1.215
8	(L=21)	-14.818	-2.203	-6.714	2.203	3.331	-1.062	-1.244	-1.062	-1.244	-1.244
9	(L=26)	6.054	2.517	3.339	-2.517	-4.094	1.438	1.197	1.438	1.197	1.197
10	HB1	-9.077	-1.399	-4.109	1.399	3.222	-1.028	-0.353	-1.028	-0.353	-0.353
11	HB2	5.630	2.517	3.230	-2.517	-4.055	0.351	-0.258	0.351	-0.258	-0.258
12	T(L=6) + HB1	-9.037	-1.329	-4.070	1.329	-4.055	2.715	1.631	2.715	1.631	1.631
13	T(L=11) + HB1	-2.741	0.910	-0.938	-0.910	-0.843	-1.369	-2.360	-1.369	-2.360	-2.360
14	T(L=16) + HB1	-2.538	0.891	-0.774	-0.891	-0.744	-1.798	0.862	-1.798	0.862	0.862
15	T(L=21) + HB1	7.028	5.001	4.467	-5.001	-7.652	0.712	-1.596	0.712	-1.596	-1.596
16	T(L=26) + HB1	-17.559	-1.293	-7.652	1.293	-7.738	1.788	0.844	1.788	0.844	0.844
17	T(L=6) + HB2	3.313	3.427	2.402	-3.427	-5.142	-0.677	-1.584	-0.677	-1.584	-1.584
18	T(L=11) + HB2	-11.617	-0.489	-3.046	0.489	-2.174	2.659	1.726	2.659	1.726	1.726
19	T(L=16) + HB2	3.090	3.427	2.292	-3.427	-5.103	-1.425	-2.266	-1.425	-2.266	-2.266
20	T(L=21) + HB2	-11.777	-0.419	-5.007	0.419	-5.103	1.742	0.957	1.742	0.957	0.957
21	T(L=26) + HB2	7.231	4.982	4.631	-4.982	-7.533	-0.767	-1.502	-0.767	-1.502	-1.502
		-17.356	-1.312	-7.688	1.312	-7.533	1.733	0.939	1.733	0.939	0.939
		3.516	3.408	2.565	-3.408	-4.937	-0.733	-1.489	-0.733	-1.489	-1.489
		-11.615	-0.509	-4.883	0.509	-4.937	1.733	0.939	1.733	0.939	0.939
		3.292	3.408	2.456	-3.408	-4.898	-0.733	-1.489	-0.733	-1.489	-1.489
		-11.575	-0.439	-4.844	0.439	-4.898	1.733	0.939	1.733	0.939	0.939
		3.292	3.408	-4.844	-0.439	-4.898	-0.733	-1.489	-0.733	-1.489	-1.489
		-11.575	-0.439	2.456	0.439	2.579	1.733	0.939	1.733	0.939	0.939
		3.292	3.408	-4.844	-0.439	-4.898	-0.733	-1.489	-0.733	-1.489	-1.489
		-11.575	-0.439	-4.844	-0.439	-4.898	-0.733	-1.489	-0.733	-1.489	-1.489

NO.	LOAD NAME	Q-Z(T)	M-Y(T,M)	Q-Z(T)	M-Y(T,M)	Q-Z(T)	M-Y(T,M)	Q-Z(T)	M-Y(T,M)
		32 - 31	32 - 33	32 - 33	33 - 32	33 - 32	33 - 32	33 - 32	33 - 32
1		0.983	-16.667	8.460	0.054	-8.440	0.101	-0.076	
2		-0.253	-1.470	0.851	0.216	-0.851	0.318	-0.257	
3	HA1	15.941	28.695	13.070	0.364	14.373	0.151	0.011	
4	HA2	-13.024	-25.777	-14.373	-0.040	-13.070	-0.016	-0.120	
5	(L=6)	16.917	30.049	13.968	0.350	15.082	0.240	0.017	
6	(L=11)	-14.406	-27.613	-15.082	-0.157	-13.968	-0.025	-0.190	
7	(L=16)	1.720	1.969	0.995	0.017	0.985	0.221	0.000	
8	(L=21)	-2.364	-1.987	-0.985	-0.017	-0.995	0.000	-0.170	
9	(L=26)	1.062	1.205	0.616	0.010	0.604	0.237	0.000	
10	HB1	-1.447	-1.231	-0.604	-0.010	-0.616	0.000	-0.178	
11	HB2	1.028	1.188	0.610	0.010	0.594	0.257	0.000	
12	T(L=6) + HB1	-1.438	-1.220	-0.594	-0.010	-0.610	0.000	-0.206	
13	T(L=11) + HB1	1.028	1.188	0.610	0.010	0.594	0.232	0.000	
14	T(L=16) + HB1	-1.433	-1.220	-0.594	-0.010	-0.610	0.000	-0.189	
15	T(L=21) + HB1	0.351	0.326	0.288	0.010	0.288	0.155	0.000	
16	T(L=26) + HB1	-0.295	-0.326	-0.288	-0.010	-0.316	0.000	-0.120	
17	T(L=6) + HB2	1.569	1.508	1.282	0.126	1.282	0.248	-0.037	
18	T(L=11) + HB2	-2.715	-2.448	-0.698	-0.092	-1.282	0.026	-0.194	
19	T(L=16) + HB2	0.712	0.745	0.904	0.120	0.316	0.263	0.024	
20	T(L=21) + HB2	-1.798	-1.692	-0.316	-0.099	-0.904	0.026	-0.202	
21	T(L=26) + HB2	0.677	0.727	0.898	0.119	0.307	0.283	-0.024	
22	T(L=6) + HB1	-1.788	-1.680	-0.307	-0.099	-0.898	0.026	-0.230	
23	T(L=11) + HB1	0.677	0.727	0.898	0.119	0.307	0.258	-0.024	
24	T(L=16) + HB1	-1.788	-1.680	-0.307	-0.099	-0.898	0.026	-0.214	
25	T(L=21) + HB1	0.677	0.727	0.898	0.119	0.307	0.181	-0.024	
26	T(L=26) + HB1	-1.788	-1.680	-0.307	-0.099	-0.898	0.026	-0.144	
27	T(L=6) + HB2	1.425	1.643	1.195	0.037	0.785	0.261	-0.037	
28	T(L=11) + HB2	-2.659	-2.513	-0.785	-0.033	-1.195	0.040	-0.207	
29	T(L=16) + HB2	0.767	0.860	0.816	0.080	0.404	0.277	-0.037	
30	T(L=21) + HB2	-1.742	-1.558	-0.404	-0.060	-0.816	0.040	-0.215	
31	T(L=26) + HB2	0.733	0.861	0.810	0.080	0.394	0.297	-0.037	
32	T(L=6) + HB1	-1.733	-1.546	-0.394	-0.060	-0.810	0.040	-0.242	
33	T(L=11) + HB1	0.733	0.861	0.810	0.080	0.394	0.272	-0.037	
34	T(L=16) + HB1	-1.733	-1.546	-0.394	-0.060	-0.810	0.040	-0.226	
35	T(L=21) + HB1	0.733	0.861	0.810	0.080	0.394	0.195	-0.037	
36	T(L=26) + HB1	-1.733	-1.546	-0.394	-0.060	-0.810	0.040	-0.157	

NO.	LOAD NAME	M-Y(T.M) 46 - 45	Q-Z(T.T) 46 - 45	M-Y(T.M) 46 - 47	Q-Z(T.T) 46 - 47	M-Y(T.M) 47 - 46	Q-Z(T.T) 47 - 46	M-Y(T.M) 47 - 48	Q-Z(T.T) 47 - 48
1		-0.049	0.076	0.008	-0.014	-0.019	0.014	0.026	0.014
2		-0.191	0.257	0.098	-0.117	-0.133	0.117	0.155	0.117
3	HA1	0.006	0.120	0.043	0.004	0.002	0.047	0.062	0.047
4	HA2	-0.087	-0.011	-0.007	-0.047	-0.052	-0.004	-0.003	-0.004
		0.009	0.190	0.069	0.006	0.003	0.077	0.095	0.077
		-0.137	-0.017	-0.010	-0.077	-0.085	-0.007	-0.004	-0.007
5	(L=6)	0.000	0.170	0.048	0.010	0.002	0.044	0.042	0.044
		-0.116	0.000	-0.018	-0.044	-0.043	-0.010	0.000	-0.010
6	(L=11)	0.000	0.178	0.048	0.005	0.000	0.045	0.038	0.045
		-0.122	0.000	-0.013	-0.045	-0.042	-0.005	0.000	-0.005
7	(L=16)	0.000	0.206	0.036	0.005	0.001	0.039	0.046	0.039
		-0.140	0.000	-0.009	-0.039	-0.043	-0.005	0.000	-0.005
8	(L=21)	0.000	0.189	0.036	0.005	0.001	0.039	0.051	0.039
		-0.128	0.000	-0.009	-0.039	-0.047	-0.005	0.000	-0.005
9	(L=26)	0.000	0.120	0.041	0.005	0.001	0.040	0.038	0.040
		-0.081	0.000	-0.009	-0.040	-0.040	-0.005	0.000	-0.005
10	HB1	-0.021	0.024	0.022	-0.025	-0.027	0.025	0.034	-0.025
11	HB2	-0.032	0.037	0.034	-0.039	-0.043	0.039	0.051	-0.039
12	T(L=6) + HB1	-0.021	0.194	0.070	-0.015	-0.026	0.069	0.076	-0.015
		-0.137	0.024	0.004	-0.069	-0.071	0.015	0.034	-0.069
13	T(L=11) + HB1	-0.021	0.202	0.070	-0.020	-0.027	0.070	0.072	-0.020
		-0.143	0.024	0.008	-0.070	-0.069	0.020	0.034	-0.070
14	T(L=16) + HB1	-0.021	0.230	0.058	-0.020	-0.026	0.064	0.080	-0.020
		-0.161	0.024	0.013	-0.064	-0.070	0.020	0.034	-0.064
15	T(L=21) + HB1	-0.021	0.214	0.058	-0.020	-0.026	0.064	0.085	-0.020
		-0.150	0.024	0.013	-0.064	-0.074	0.020	0.034	-0.064
16	T(L=26) + HB1	-0.021	0.144	0.063	-0.020	-0.026	0.065	0.072	-0.020
		-0.103	0.024	0.013	-0.065	-0.068	0.020	0.034	-0.065
17	T(L=6) + HB2	-0.032	0.207	0.082	-0.029	-0.041	0.083	0.093	-0.029
		-0.148	0.037	0.015	-0.083	-0.086	0.029	0.051	-0.083
18	T(L=11) + HB2	-0.032	0.215	0.081	-0.034	-0.043	0.084	0.089	-0.034
		-0.154	0.037	0.021	-0.084	-0.085	0.034	0.051	-0.084
19	T(L=16) + HB2	-0.032	0.242	0.070	-0.034	-0.042	0.078	0.097	-0.034
		-0.172	0.037	0.024	-0.078	-0.086	0.034	0.051	-0.078
20	T(L=21) + HB2	-0.032	0.226	0.070	-0.034	-0.042	0.078	0.102	-0.034
		-0.160	0.037	0.024	-0.078	-0.090	0.034	0.051	-0.078
21	T(L=26) + HB2	-0.032	0.157	0.075	-0.034	-0.042	0.079	0.089	-0.034
		-0.114	0.037	0.024	-0.079	-0.083	0.034	0.051	-0.079

NO.	LOAD NAME	Q-Z (T) 47 - 48	M-Y (T,M) 48 - 47	Q-Z (T) 48 - 47	M-Y (T,M) 48 - 49	Q-Z (T) 48 - 49	M-Y (T,M) 49 - 48	Q-Z (T) 49 - 48
1		-0.024	-0.021	0.024	0.018	-0.018	-0.019	0.018
2		-0.151	-0.144	0.151	0.137	-0.140	-0.141	0.140
3	HA1	0.002	0.002	0.059	0.054	0.003	0.003	0.054
		-0.059	-0.057	-0.002	-0.003	-0.055	-0.055	-0.003
4	HA2	0.004	0.004	0.092	0.088	0.005	0.005	0.089
		-0.092	-0.089	-0.004	-0.005	-0.089	-0.090	-0.005
5	(L=6)	0.000	0.000	0.035	0.011	0.002	0.002	0.010
		-0.035	-0.026	0.000	-0.002	-0.010	-0.009	-0.002
6	(L=11)	0.000	0.000	0.031	0.009	0.002	0.002	0.009
		-0.031	-0.022	0.000	-0.002	-0.009	-0.008	-0.002
7	(L=16)	0.000	0.000	0.038	0.011	0.002	0.002	0.012
		-0.038	-0.030	0.000	-0.002	-0.012	-0.011	-0.002
8	(L=21)	0.000	0.000	0.043	0.014	0.002	0.002	0.013
		-0.043	-0.034	0.000	-0.001	-0.013	-0.012	-0.002
9	(L=26)	0.000	0.000	0.031	0.012	0.001	0.001	0.011
		-0.031	-0.024	0.000	-0.001	-0.011	-0.008	-0.001
10	HB1	0.034	0.034	0.034	0.030	-0.030	-0.029	0.030
11	HB2	-0.051	-0.049	0.051	0.046	-0.047	-0.046	0.047
12	T(L=6) + HB1	-0.034	-0.033	0.068	0.042	-0.028	-0.027	0.040
		0.068	0.059	0.034	0.028	-0.040	-0.038	0.028
13	T(L=11) + HB1	-0.034	-0.033	0.065	0.039	-0.028	-0.027	0.039
		0.065	0.055	0.034	0.028	-0.039	-0.037	0.028
14	T(L=16) + HB1	-0.034	-0.033	0.072	0.041	-0.028	-0.027	0.042
		0.072	0.062	0.034	0.028	-0.042	-0.040	0.028
15	T(L=21) + HB1	-0.034	-0.033	0.077	0.044	-0.028	-0.027	0.043
		0.077	0.066	0.034	0.029	-0.043	-0.041	0.028
16	T(L=26) + HB1	-0.034	-0.033	0.065	0.042	-0.029	-0.028	0.041
		0.065	0.057	0.034	0.029	-0.041	-0.037	0.029
17	T(L=6) + HB2	-0.051	-0.049	0.085	0.058	-0.045	-0.044	0.057
		0.085	0.075	0.051	0.044	-0.057	-0.055	0.045
18	T(L=11) + HB2	-0.051	-0.049	0.081	0.056	-0.045	-0.044	0.055
		0.081	0.072	0.051	0.044	-0.055	-0.053	0.045
19	T(L=16) + HB2	-0.051	-0.049	0.089	0.058	-0.045	-0.044	0.059
		0.089	0.079	0.051	0.045	-0.059	-0.057	0.045
20	T(L=21) + HB2	-0.051	-0.049	0.093	0.061	-0.045	-0.044	0.060
		0.093	0.083	0.051	0.045	-0.060	-0.057	0.045
21	T(L=26) + HB2	-0.051	-0.049	0.082	0.059	-0.045	-0.044	0.057
		0.082	0.074	0.051	0.045	-0.057	-0.053	0.045

NO.	LOAD NAME	M-Y(T,M) 49 - 50	Q-Z(T) 49 - 50	M-Y(T,M) 50 - 49	Q-Z(T) 50 - 49	M-Y(T,M) 50 - 51	Q-Z(T) 50 - 51	M-Y(T,M) 51 - 50	Q-Z(T) 51 - 50
1		0.022	-0.024	-0.025	0.024	0.025	-0.024	-0.022	-0.022
2		0.143	-0.144	-0.141	0.144	0.141	-0.144	-0.143	-0.143
3	HA1	0.059	0.004	0.004	0.059	0.056	0.004	0.004	0.004
4	HA2	-0.004	-0.059	-0.058	-0.004	-0.004	-0.057	-0.056	-0.056
5	(L=6)	0.092	-0.006	-0.007	0.006	0.007	-0.006	0.006	0.006
6	(L=11)	0.005	0.003	0.003	0.004	0.001	0.005	0.003	0.003
7	(L=16)	-0.003	-0.004	-0.003	-0.003	-0.005	-0.004	-0.001	-0.001
8	(L=21)	0.004	0.005	0.004	0.005	0.001	0.004	0.006	0.006
9	(L=26)	0.005	0.004	0.003	0.004	0.001	0.004	0.004	0.004
10	HB1	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.001	-0.001
11	HB2	0.049	-0.028	-0.027	0.028	0.024	-0.024	0.024	0.024
12	T(L=6) + HB1	0.034	-0.025	-0.023	0.032	0.025	-0.020	0.019	0.019
13	T(L=11) + HB1	0.035	-0.032	-0.030	0.025	0.019	-0.025	0.025	0.025
14	T(L=16) + HB1	0.027	-0.032	-0.029	0.026	0.020	-0.025	0.025	0.025
15	T(L=21) + HB1	0.035	-0.035	-0.030	0.033	0.025	-0.019	0.018	0.018
16	T(L=26) + HB1	0.027	-0.034	-0.031	0.024	0.018	-0.018	0.018	0.018
17	T(L=6) + HB2	0.026	-0.032	-0.029	0.024	0.025	-0.020	0.020	0.020
18	T(L=11) + HB2	0.048	-0.039	-0.036	0.046	0.038	-0.033	0.032	0.032
19	T(L=16) + HB2	0.040	-0.046	-0.043	0.039	0.032	-0.038	0.038	0.038
20	T(L=21) + HB2	0.049	-0.037	-0.035	0.047	0.038	-0.031	0.031	0.031
21	T(L=26) + HB2	0.039	-0.047	-0.044	0.037	0.031	-0.038	0.038	0.038
		0.047	-0.036	-0.037	0.046	0.038	-0.033	0.033	0.033
		0.039	-0.046	-0.043	0.038	0.031	-0.038	0.038	0.038

** UHURU BRIDGE **

NO.	LOAD NAME	M-Y(T,M) 53 - 52	Q-Z(T) 53 - 52	M-Y(T,M) 53 - 54	Q-Z(T) 53 - 54	M-Y(T,M) 54 - 53	Q-Z(T) 54 - 53	M-Y(T,M) 54 - 55
1		-0.026	0.024	0.019	-0.014	-0.008	0.014	0.050
2		-0.156	0.152	0.039	-0.117	-0.099	0.117	0.193
3	HA1 (+)	0.003	0.067	0.039	0.005	0.008	0.033	0.104
4	HA2 (-)	-0.075	-0.003	-0.003	-0.034	-0.029	-0.005	-0.006
5		0.004	0.095	0.089	0.007	0.011	0.081	0.143
6		-0.099	-0.004	-0.005	-0.081	-0.075	-0.008	-0.010
7	(L=6) (+)	0.005	0.000	0.000	0.004	0.004	0.000	0.001
8	(L=11) (-)	0.000	-0.005	-0.004	0.000	0.000	-0.004	-0.002
9	(L=16) (+)	0.003	0.000	0.003	0.000	0.002	0.000	0.001
10	(L=21) (-)	0.000	-0.003	-0.003	0.000	0.000	-0.003	-0.002
11	(L=26) (+)	0.004	0.000	0.000	0.003	0.003	0.000	0.001
12	(L=31) (-)	0.000	0.003	0.000	0.000	0.000	0.000	0.000
13	(L=36) (+)	-0.031	-0.028	0.014	-0.012	-0.009	-0.012	-0.035
14	(L=41) (-)	-0.038	0.037	0.029	-0.026	-0.022	0.026	0.045
15	(L=46) (+)	-0.026	0.028	0.014	-0.006	-0.005	0.012	0.036
16	(L=51) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
17	(L=56) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
18	(L=61) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
19	(L=66) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
20	(L=71) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
21	(L=76) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
22	(L=81) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
23	(L=86) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
24	(L=91) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
25	(L=96) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
26	(L=101) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
27	(L=106) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
28	(L=111) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
29	(L=116) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
30	(L=121) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
31	(L=126) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
32	(L=131) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
33	(L=136) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
34	(L=141) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
35	(L=146) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
36	(L=151) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
37	(L=156) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
38	(L=161) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
39	(L=166) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
40	(L=171) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
41	(L=176) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
42	(L=181) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
43	(L=186) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
44	(L=191) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
45	(L=196) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
46	(L=201) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
47	(L=206) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
48	(L=211) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
49	(L=216) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
50	(L=221) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
51	(L=226) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
52	(L=231) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
53	(L=236) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
54	(L=241) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
55	(L=246) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
56	(L=251) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
57	(L=256) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
58	(L=261) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
59	(L=266) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
60	(L=271) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
61	(L=276) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
62	(L=281) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
63	(L=286) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
64	(L=291) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
65	(L=296) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
66	(L=301) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
67	(L=306) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
68	(L=311) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
69	(L=316) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
70	(L=321) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
71	(L=326) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
72	(L=331) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
73	(L=336) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
74	(L=341) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
75	(L=346) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
76	(L=351) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
77	(L=356) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
78	(L=361) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
79	(L=366) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
80	(L=371) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
81	(L=376) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
82	(L=381) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
83	(L=386) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
84	(L=391) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
85	(L=396) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
86	(L=401) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
87	(L=406) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
88	(L=411) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
89	(L=416) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
90	(L=421) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
91	(L=426) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
92	(L=431) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
93	(L=436) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
94	(L=441) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
95	(L=446) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
96	(L=451) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
97	(L=456) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
98	(L=461) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033
99	(L=466) (+)	-0.026	0.028	0.014	-0.008	-0.006	0.012	0.036
100	(L=471) (-)	-0.031	0.023	0.010	-0.012	-0.009	0.008	0.033

NO.	LOAD NAME	Q-Z (T) 54 - 55	M-Y (T.M) 55 - 54	Q-Z (T) 55 - 54	M-Y (T.M) 67 - 68	Q-Z (T) 67 - 68	M-Y (T.M) 68 - 67	Q-Z (T) 68 - 67
1		-0.076	-0.102	0.076	-0.054	-8.389	-16.618	8.389
2		-0.259	-0.320	0.259	-0.216	-0.703	-1.604	0.703
3	H A1 (+)	0.010	0.016	0.130	0.142	2.962	5.896	3.157
4	H A2 (-)	-0.130	-0.153	-0.010	-0.020	-3.157	-6.157	-2.962
5	(L=6) (+)	0.017	0.024	0.194	0.157	15.199	29.843	13.945
6	(L=11) (+)	-0.194	-0.242	-0.017	-0.039	-13.945	-27.594	-15.199
7	(L=16) (+)	0.002	0.001	0.001	0.171	14.882	28.886	21.440
8	(L=21) (+)	-0.001	-0.001	-0.002	-0.439	-21.440	-42.510	-14.682
9	(L=26) (+)	0.001	0.001	0.001	0.111	10.230	20.133	14.108
10	H B1 (+)	-0.001	-0.001	-0.001	-0.315	-14.108	-27.994	-10.230
11	H B2 (-)	0.001	0.001	0.001	0.104	10.238	20.207	14.255
12	T(L=6) + H B1 (+)	-0.001	-0.001	-0.001	-0.315	-14.255	-28.292	-10.258
13	T(L=11) + H B1 (+)	0.002	0.002	0.001	0.104	10.874	21.430	14.255
14	T(L=16) + H B1 (+)	-0.001	-0.001	-0.002	-0.315	-14.255	-28.292	-10.874
15	T(L=21) + H B1 (+)	0.001	0.001	0.001	0.104	10.465	20.616	14.299
16	T(L=26) + H B1 (+)	-0.001	-0.001	-0.001	-0.315	-14.299	-28.374	-10.465
17	H B1 (+)	-0.041	-0.047	0.041	0.043	-1.155	-2.237	1.155
18	H B2 (-)	-0.058	-0.071	0.058	-0.018	3.219	6.339	-3.219
19	T(L=6) + H B1 (+)	-0.040	-0.045	0.042	0.214	13.527	26.649	22.595
20	T(L=11) + H B1 (+)	-0.042	-0.048	0.042	0.395	22.595	44.746	13.527
21	T(L=16) + H B1 (+)	-0.040	-0.046	0.042	0.154	9.076	17.896	15.263
22	T(L=21) + H B1 (+)	-0.042	-0.048	0.042	0.272	15.263	30.231	9.076
23	T(L=26) + H B1 (+)	-0.040	-0.045	0.042	0.147	9.103	17.970	15.410
24	H B1 (+)	-0.042	-0.048	0.040	-0.272	-15.410	-30.529	-9.103
25	H B2 (-)	-0.040	-0.045	0.042	0.147	9.103	17.970	15.410
26	T(L=6) + H B1 (+)	-0.042	-0.048	0.040	0.272	15.410	30.529	9.103
27	T(L=11) + H B1 (+)	-0.040	-0.046	0.042	0.147	9.103	17.970	15.410
28	T(L=16) + H B1 (+)	-0.042	-0.048	0.040	-0.272	-15.410	-30.529	-9.103
29	T(L=21) + H B1 (+)	-0.040	-0.045	0.042	0.147	9.103	17.970	15.410
30	T(L=26) + H B1 (+)	-0.042	-0.048	0.040	-0.272	-15.410	-30.529	-9.103
31	H B1 (+)	-0.057	-0.069	0.057	0.153	17.902	35.224	18.221
32	H B2 (-)	-0.059	-0.072	0.057	-0.457	-18.221	-36.171	-17.902
33	T(L=6) + H B2 (+)	-0.057	-0.070	0.059	0.093	13.450	26.472	10.889
34	T(L=11) + H B2 (+)	-0.059	-0.072	0.057	-0.333	-10.889	-21.656	-13.450
35	T(L=16) + H B2 (+)	-0.057	-0.069	0.057	0.085	13.477	26.546	11.036
36	T(L=21) + H B2 (+)	-0.059	-0.072	0.057	-0.333	-11.036	-21.953	-13.477
37	T(L=26) + H B2 (+)	-0.057	-0.069	0.059	0.085	14.093	27.769	11.036
38	H B1 (+)	-0.059	-0.072	0.057	-0.333	-11.036	-21.953	-14.093
39	H B2 (-)	-0.057	-0.070	0.059	0.085	13.684	26.955	11.079
40	T(L=6) + H B2 (+)	-0.057	-0.072	0.057	-0.333	-11.079	-22.035	-13.684

NO.	LOAD NAME	M-Y(T,M) 68 - 69	Q-Z(T,T) 68 - 69	M-Y(T,M) 69 - 70	Q-Z(T,T) 69 - 70	M-Y(T,M) 70 - 69
1		-16.674	1.025	-14.642	-1.039	-9.266
2		-1.809	0.018	-1.774	-0.018	-1.353
3	HA1 (+)	5.941	3.469	11.418	3.966	15.970
		-6.088	-3.966	-12.787	-3.469	-17.615
4	HA2 (+)	29.685	17.094	53.519	14.296	66.694
		-27.650	-14.296	-46.609	-17.094	-55.890
5	(L=6) (+)	28.859	3.924	21.598	15.780	18.528
		-42.684	-15.780	-58.951	-3.924	-62.181
6	(L=11) (+)	20.092	3.029	15.728	9.963	13.556
		-28.087	-9.963	-37.460	-3.029	-38.933
7	(L=16) (+)	20.180	3.027	15.417	9.930	12.932
		-28.391	-9.930	-37.559	-3.027	-38.933
8	(L=21) (+)	21.414	3.027	15.856	9.988	12.932
		-28.591	-9.988	-37.559	-3.027	-38.933
9	(L=26) (+)	20.606	3.027	15.547	9.991	12.932
		-28.470	-9.991	-37.559	-3.027	-38.933
10	HB1 (-)	-2.192	-1.345	-4.849	1.345	-5.356
11	HB2	6.306	6.093	18.338	6.093	13.273
12	T(L=6) + HB1 (+)	26.666	2.579	16.749	17.125	13.212
		-44.877	-17.125	-63.800	-2.579	-67.517
13	T(L=11) + HB1 (+)	17.899	1.684	10.879	11.306	8.220
		-30.280	-11.306	-42.309	-1.684	-44.269
14	T(L=16) + HB1 (+)	17.987	1.682	10.568	11.275	7.596
		-30.584	-11.275	-42.407	-1.682	-44.269
15	T(L=21) + HB1 (+)	19.222	1.682	11.007	11.333	7.596
		-30.584	-11.333	-42.407	-1.682	-44.269
16	T(L=26) + HB1 (+)	18.414	1.682	10.698	11.336	7.596
		-30.663	-11.336	-42.407	-1.682	-44.269
17	T(L=6) + HB2 (+)	35.165	10.017	39.936	9.687	31.821
		-36.378	-9.687	-40.613	-10.017	-48.908
18	T(L=11) + HB2 (+)	26.398	9.122	34.066	3.870	26.829
		-21.781	-3.870	-19.122	-9.122	-23.660
19	T(L=16) + HB2 (+)	26.486	9.120	33.755	3.837	26.205
		-22.085	-3.637	-19.220	-9.120	-25.660
20	T(L=21) + HB2 (+)	27.720	9.120	34.194	3.895	26.205
		-22.085	-3.895	-19.220	-9.120	-23.660
21	T(L=26) + HB2 (+)	26.912	9.120	33.885	3.897	26.205
		-22.164	-3.697	-19.220	-9.120	-23.660

NO.	LOAD NAME	Q-Z (T)		M-Y (T, M)		Q-Z (T)		M-Y (T, M)		Q-Z (T)					
		70	69	70	71	70	71	71	70	71	72				
1		-2.740		-9.295		3.879		-1.635		-3.879		-1.666		5.359	
2		-0.315		-1.550		0.303		-0.951		-0.303		-1.149		0.140	
3	HA1	3.936		15.999		3.594		18.858		3.859		18.880		3.760	
4	HA2	3.480		-17.549		-3.859		-20.255		-3.594		-20.185		-3.900	
5	(L=6)	16.299		66.537		19.723		71.827		19.080		71.658		20.838	
6	(L=11)	-18.055		-55.926		-19.080		-58.124		-19.723		-58.126		-20.669	
7	(L=16)	8.335		18.609		6.648		19.967		2.503		20.002		7.504	
8	(L=21)	-4.751		-62.303		-2.505		-55.189		-6.648		-55.239		-1.381	
9	(L=26)	5.317		13.595		4.321		13.799		1.883		13.820		4.742	
10	HB1	3.400		-39.006		-1.883		-34.395		-4.321		-34.426		-1.168	
11	HB2	5.380		12.969		4.335		12.973		1.976		12.991		4.741	
12	T(L=6) + HB1	-3.737		-39.006		-1.976		-34.395		-4.335		-34.426		-1.168	
13	T(L=11) + HB1	5.424		12.969		4.712		12.973		1.976		12.991		4.792	
14	T(L=16) + HB1	-4.033		-39.006		-1.976		-34.395		-4.712		-34.426		-1.168	
15	T(L=21) + HB1	5.415		12.969		4.469		12.973		1.976		12.991		4.760	
16	T(L=26) + HB1	-3.808		-39.006		-1.976		-34.395		-4.469		-34.426		-1.168	
17	T(L=6) + HB2	0.269		-5.288		0.629		-4.047		-0.629		-3.997		0.877	
18	T(L=11) + HB2	2.550		13.234		-5.602		2.171		5.602		2.129		-3.703	
19	T(L=16) + HB2	8.604		13.320		7.276		15.920		1.876		16.005		8.382	
20	T(L=21) + HB2	-4.482		-67.591		-1.876		-59.236		-7.276		-59.235		-0.504	
21	T(L=26) + HB2	5.586		8.307		4.950		9.752		1.255		9.824		5.619	
22		-3.131		-44.297		-1.255		-38.442		-4.950		-38.422		-0.291	
23		5.649		7.680		4.964		8.925		1.347		8.995		5.618	
24		-3.468		-44.297		-1.347		-38.442		-4.964		-38.422		-0.291	
25		5.693		7.680		5.340		8.925		1.347		8.995		5.670	
26		-3.764		-44.297		-1.347		-38.442		-5.340		-38.422		-0.291	
27		5.684		7.680		5.098		8.925		1.347		8.995		5.637	
28		-3.539		-44.297		-1.347		-38.442		-5.098		-38.422		-0.291	
29		10.885		31.843		1.046		22.138		8.107		22.131		3.801	
30		-2.201		-49.069		-8.107		-53.018		-1.046		-53.109		-5.084	
31		7.867		26.850		-1.281		15.970		7.485		15.950		1.038	
32		-0.850		-25.774		-7.485		-32.224		-1.281		-32.296		-4.871	
33		7.931		26.203		-1.267		15.143		7.578		15.121		1.038	
34		-1.187		-25.774		-7.578		-32.224		-1.267		-32.296		-4.871	
35		7.974		26.203		-0.890		15.143		7.578		15.121		1.089	
36		-1.483		-25.774		-7.578		-32.224		-0.890		-32.296		-4.871	
37		7.966		26.203		-1.132		15.143		7.578		15.121		1.057	
38		-1.257		-25.774		-7.578		-32.224		-1.132		-32.296		-4.871	

NO.	LOAD NAME	M-Y(T.M)		Q-Z(T)		M-Y(T.M)		Q-Z(T)		M-Y(T.M)		Q-Z(T)		
		72	71	72	71	72	73	73	72	73	73	72	72	74
1		8.919		-5.359		8.903		-5.323		5.323		-1.642		
2		-0.873		-0.140		-1.072		0.071		-0.932		-1.131		
3	HAT	19.789	(+)	3.900		19.808		3.825		3.840		18.838		
4	HAT	-21.118	(-)	-3.760		-21.046		-3.840		-3.825		-20.251		
5		72.809	(+)	20.609		72.836		20.775		20.729		71.643		
6		-58.536	(-)	-20.838		-58.522		-20.729		-20.775		-58.071		
7	(L=6)	18.203	(+)	1.581		18.217		7.316		14.422		14.421		
8		-41.199	(-)	-7.504		-41.206		-1.948		-7.316		-26.741		
9	(L=11)	11.909	(+)	1.168		11.917		4.593		9.144		9.143		
10		-25.524	(-)	-4.742		-25.528		-1.464		-4.593		-16.446		
11	(L=16)	11.177	(+)	1.168		11.184		4.593		8.682		8.681		
12		-25.524	(-)	-4.741		-25.528		-1.409		-4.593		-16.446		
13	(L=21)	11.177	(+)	1.168		11.184		4.626		8.682		8.681		
14		-25.524	(-)	-4.792		-25.528		-1.409		-4.626		-16.446		
15	(L=26)	11.177	(+)	1.168		11.184		4.604		8.682		8.681		
16		-25.524	(-)	-4.760		-25.528		-1.409		-4.604		-16.446		
17	H1	-2.264	(-)	-0.877		-2.212		0.618		-0.991		-0.941		
18	H2	-5.185	(-)	-3.703		-5.224		0.663		-3.914		-3.944		
19	T(L=6) + H1	15.939	(+)	0.504		16.005		7.934		13.431		13.481		
20		-43.463	(-)	-8.382		-43.418		-1.330		-27.747		-27.681		
21	T(L=11) + H1	9.645	(+)	0.291		9.705		5.211		8.153		8.202		
22		-27.788	(-)	-5.619		-27.740		-0.845		-17.447		-17.387		
23	T(L=16) + H1	8.913	(+)	0.291		8.972		5.211		7.691		7.741		
24		-27.788	(-)	-5.615		-27.740		-0.791		-17.447		-17.387		
25	T(L=21) + H1	8.913	(+)	0.291		8.972		5.244		7.691		7.741		
26		-27.788	(-)	-5.670		-27.740		-0.791		-17.447		-17.387		
27	T(L=26) + H1	8.913	(+)	0.291		8.972		5.222		7.691		7.741		
28		-27.788	(-)	-5.637		-27.740		-0.791		-17.447		-17.387		
29	T(L=6) + H2	13.018	(+)	3.084		12.993		7.979		10.508		10.477		
30		-46.364	(-)	-3.801		-46.430		-1.284		-30.670		-30.685		
31	T(L=11) + H2	6.724	(+)	4.871		6.693		5.256		5.230		5.199		
32		-30.709	(-)	-1.038		-30.752		-0.800		-20.370		-20.391		
33	T(L=16) + H2	5.992	(+)	4.871		5.960		5.256		4.768		4.737		
34		-30.709	(-)	-1.038		-30.752		-0.746		-20.370		-20.391		
35	T(L=21) + H2	5.992	(+)	4.871		5.960		5.289		4.768		4.737		
36		-30.709	(-)	-1.089		-30.752		-0.746		-20.370		-20.391		
37	T(L=26) + H2	5.992	(+)	4.671		5.960		5.267		4.768		4.737		
38		-30.709	(-)	-1.057		-30.752		-0.746		-20.370		-20.391		

NO.	LOAD NAME	Q-ZC (T)		M-Y (T, M)		Q-ZC (T)		M-Y (T, M)		Q-ZC (T)	
		73	74	74	73	74	75	74	75	75	74
1		-3.842	-9.231	3.842	3.842	-9.261	-2.688	-14.571	-2.688	2.688	2.688
2		-0.074	-1.278	0.074	0.074	-1.478	0.022	-1.435	0.022	-0.022	-0.022
3	HA1	3.813	15.896	3.664	3.664	15.926	3.569	11.361	3.569	3.569	3.569
4	HA2	-3.664	-17.679	-3.813	-3.813	-17.613	-3.569	-12.946	-3.569	-3.861	-3.861
5	(L=6)	19.199	66.691	19.612	19.199	66.532	16.454	53.760	17.881	17.881	17.881
6	(L=11)	-19.612	-55.763	-19.199	-19.199	-55.800	-17.881	-46.469	-17.881	-16.454	-16.454
7	(L=16)	5.962	9.826	2.333	2.333	9.817	4.124	5.438	4.124	2.216	2.216
8	(L=21)	-2.333	-14.964	-5.962	-5.962	-14.941	-2.216	-6.794	-2.216	-4.124	-4.124
9	(L=26)	3.708	6.088	1.589	1.589	6.083	2.537	3.360	2.537	1.407	1.407
10	HB1	-1.589	-9.188	-3.708	-3.708	-9.153	-1.407	-4.159	-1.407	-2.537	-2.537
11	HB2	3.708	5.864	1.475	1.475	5.859	2.537	3.249	2.537	1.338	1.338
12	T(L=6) + HB1	-1.475	-9.123	-3.708	-3.708	-9.109	-1.338	-4.118	-1.338	-2.537	-2.537
13	T(L=11) + HB1	3.708	5.864	1.475	1.475	5.859	2.537	3.249	2.537	1.338	1.338
14	T(L=16) + HB1	-1.475	-9.123	-3.708	-3.708	-9.109	-1.338	-4.118	-1.338	-2.537	-2.537
15	T(L=21) + HB1	0.360	-0.329	0.360	0.360	-0.181	0.125	0.066	0.125	-0.125	-0.125
16	T(L=26) + HB1	1.032	-1.866	1.032	1.032	-1.894	0.700	-0.511	0.700	-0.700	-0.700
17	T(L=6) + HB2	6.352	9.597	1.973	1.973	9.636	4.249	5.504	4.249	2.091	2.091
18	T(L=11) + HB2	-1.973	-15.193	-6.352	-6.352	-15.122	-2.091	-6.728	-2.091	-4.249	-4.249
19	T(L=16) + HB2	4.068	5.859	1.229	1.229	5.901	2.662	3.426	2.662	1.282	1.282
20	T(L=21) + HB2	-1.229	-9.597	-4.068	-4.068	-9.535	-1.282	-4.093	-1.282	-2.662	-2.662
21	T(L=26) + HB2	1.115	5.835	1.115	1.115	5.678	2.662	3.315	2.662	1.213	1.213
22	T(L=6) + HB2	4.068	5.835	1.115	1.115	5.678	2.662	3.315	2.662	1.213	1.213
23	T(L=11) + HB2	-1.115	-9.532	-4.068	-4.068	-9.529	-1.213	-4.052	-1.213	-2.662	-2.662
24	T(L=16) + HB2	1.115	5.835	1.115	1.115	5.678	2.662	3.315	2.662	1.213	1.213
25	T(L=21) + HB2	-1.115	-9.532	-4.068	-4.068	-9.529	-1.213	-4.052	-1.213	-2.662	-2.662
26	T(L=26) + HB2	4.760	4.222	4.760	4.760	4.189	3.237	2.849	3.237	0.707	0.707
27	T(L=6) + HB2	-0.537	-11.034	-4.760	-4.760	-11.048	-0.707	-4.670	-0.707	-3.237	-3.237
28	T(L=11) + HB2	4.760	3.996	4.760	4.760	3.965	3.237	2.738	3.237	0.638	0.638
29	T(L=16) + HB2	-0.423	-10.989	-4.760	-4.760	-11.003	-0.638	-4.629	-0.638	-3.237	-3.237
30	T(L=21) + HB2	4.760	3.998	4.760	4.760	3.965	3.237	2.738	3.237	0.638	0.638
31	T(L=26) + HB2	-0.423	-10.989	-4.760	-4.760	-11.003	-0.638	-4.629	-0.638	-3.237	-3.237
32	T(L=6) + HB2	4.760	3.998	4.760	4.760	3.965	3.237	2.738	3.237	0.638	0.638
33	T(L=11) + HB2	-0.423	-10.989	-4.760	-4.760	-11.003	-0.638	-4.629	-0.638	-3.237	-3.237
34	T(L=16) + HB2	4.760	3.998	4.760	4.760	3.965	3.237	2.738	3.237	0.638	0.638
35	T(L=21) + HB2	-0.423	-10.989	-4.760	-4.760	-11.003	-0.638	-4.629	-0.638	-3.237	-3.237
36	T(L=26) + HB2	4.760	3.998	4.760	4.760	3.965	3.237	2.738	3.237	0.638	0.638

NO.	LOAD NAME	M-Y(T,M) 91 - 90	Q-Z(T)) 91 - 90	M-Y(T,M) 91 - 92	Q-Z(T)) 91 - 92	M-Y(T,M) 92 - 91	Q-Z(T)) 92 - 91	M-Y(T,M) 92 - 93
1		0.006	-0.002	-0.004	0.002	-0.000	-0.002	-0.009
2		0.037	-0.037	-0.016	0.005	-0.006	-0.005	-0.072
3	HA1	0.001	0.009	0.001	0.006	0.000	0.000	0.020
4	HA2	-0.014	-0.001	-0.003	-0.000	-0.000	-0.006	-0.001
		0.056	0.011	0.005	0.017	0.014	0.011	0.020
		-0.014	-0.043	-0.022	-0.011	-0.018	-0.017	-0.079
5	(L=6)	0.037	0.010	0.002	0.006	0.004	0.001	0.013
		-0.012	-0.029	-0.012	-0.001	-0.003	-0.004	-0.024
6	(L=11)	0.028	0.009	0.002	0.005	0.003	0.001	0.008
		-0.008	-0.025	-0.010	-0.001	-0.002	-0.005	-0.015
7	(L=16)	0.028	0.010	0.002	0.006	0.003	0.001	0.008
		-0.008	-0.026	-0.010	-0.001	-0.002	-0.006	-0.015
8	(L=21)	0.031	0.010	0.002	0.006	0.003	0.001	0.008
		-0.008	-0.026	-0.010	-0.001	-0.002	-0.006	-0.015
9	(L=26)	0.028	0.009	0.002	0.006	0.003	0.001	0.008
		-0.008	-0.026	-0.010	-0.001	-0.002	-0.006	-0.015
10	HB1	-0.006	0.004	-0.003	0.003	0.005	-0.003	0.011
11	HB2	0.015	-0.011	-0.007	0.004	0.001	-0.004	-0.018
12	T(L=6) + HB1	0.031	0.014	0.000	0.009	0.010	-0.002	0.024
		-0.018	-0.025	-0.013	-0.002	-0.003	-0.009	-0.013
13	T(L=11) + HB1	0.022	0.013	0.000	0.009	0.006	-0.002	0.019
		-0.014	-0.022	-0.011	-0.002	-0.003	-0.009	-0.004
14	T(L=16) + HB1	0.022	0.014	0.001	0.009	0.009	-0.002	0.019
		-0.014	-0.022	-0.011	-0.002	-0.003	-0.009	-0.004
15	T(L=21) + HB1	0.022	0.014	0.000	0.009	0.009	-0.002	0.019
		-0.014	-0.022	-0.011	-0.002	-0.003	-0.009	-0.004
16	T(L=26) + HB1	0.022	0.013	0.000	0.009	0.009	-0.002	0.019
		-0.014	-0.022	-0.011	-0.002	-0.003	-0.009	-0.004
17	T(L=6) + HB2	0.052	-0.001	-0.005	0.010	0.005	-0.003	-0.005
		0.003	-0.040	-0.018	0.003	-0.002	-0.010	-0.042
18	T(L=11) + HB2	0.043	-0.002	-0.005	0.009	0.004	-0.003	-0.010
		0.007	-0.036	-0.016	0.003	-0.001	-0.009	-0.033
19	T(L=16) + HB2	0.043	-0.001	-0.005	0.010	0.005	-0.003	-0.010
		0.007	-0.037	-0.017	0.003	-0.001	-0.010	-0.033
20	T(L=21) + HB2	0.043	-0.001	-0.005	0.010	0.005	-0.003	-0.010
		0.007	-0.037	-0.017	0.003	-0.001	-0.010	-0.033
21	T(L=26) + HB2	0.043	-0.002	-0.005	0.010	0.005	-0.003	-0.010
		0.007	-0.037	-0.016	0.003	-0.001	-0.009	-0.033

NO.	LOAD NAME	Q-Z (T) 92 - 93	M-Y (T, M) 93 - 92	Q-Z (T) 93 - 94	M-Y (T, M) 93 - 94	Q-Z (T) 93 - 94	M-Y (T, M) 94 - 93	Q-Z (T) 94 - 93
1		0.010	0.010	-0.010	0.001	0.001	0.002	-0.001
2		0.076	0.077	-0.076	0.011	-0.006	-0.000	0.006
3	HA1	0.001	0.001	0.020	0.000	0.009	0.007	0.000
4	HA2	-0.021	-0.021	-0.001	-0.011	-0.000	-0.000	-0.000
		0.082	0.083	0.021	0.021	0.013	0.013	0.016
5	(L=6)	-0.020	0.016	-0.021	-0.013	-0.016	-0.012	0.005
		0.012	0.010	0.012	0.007	0.003	0.001	0.003
6	(L=11)	0.013	0.010	-0.020	-0.004	-0.005	-0.002	-0.003
		0.007	0.006	0.007	0.004	0.002	0.001	0.003
7	(L=16)	0.013	0.010	-0.013	-0.003	-0.003	-0.001	-0.002
		0.007	0.009	0.007	0.004	0.002	0.001	0.003
8	(L=21)	-0.013	0.010	-0.013	-0.003	-0.003	-0.001	-0.002
		0.007	0.006	0.007	0.004	0.002	0.001	0.003
9	(L=26)	0.013	0.010	-0.013	-0.003	-0.003	-0.001	-0.002
		0.007	0.006	0.007	0.004	0.002	0.001	0.003
10	HB1	-0.007	-0.012	-0.013	-0.003	-0.003	-0.001	-0.002
11	HB2	0.018	0.017	0.012	0.006	0.005	0.004	-0.005
12	T(L=6) + HB1	0.009	0.004	-0.018	-0.002	-0.001	-0.000	0.001
		0.023	0.022	0.023	0.001	0.008	0.005	-0.000
13	T(L=11) + HB1	0.001	-0.002	-0.009	-0.010	0.000	0.002	-0.008
		0.019	0.018	0.019	-0.001	0.007	0.005	-0.002
14	T(L=16) + HB1	0.001	-0.002	-0.001	-0.009	0.002	0.003	-0.007
		0.019	0.019	0.019	-0.001	0.007	0.005	-0.002
15	T(L=21) + HB1	-0.019	-0.018	-0.001	-0.008	0.002	0.003	-0.007
		0.001	0.002	0.019	-0.001	0.007	0.005	-0.002
16	T(L=26) + HB1	-0.019	-0.018	-0.001	-0.008	0.002	0.003	-0.007
		0.001	0.002	0.019	-0.001	0.007	0.005	-0.002
17	T(L=6) + HB2	0.038	0.035	-0.006	0.010	0.002	0.001	0.006
		0.006	0.007	-0.038	-0.002	-0.006	-0.002	-0.002
18	T(L=11) + HB2	0.031	0.027	-0.011	0.007	0.000	0.001	0.004
		0.011	0.011	-0.031	-0.000	-0.004	-0.001	-0.000
19	T(L=16) + HB2	0.031	0.027	-0.011	0.007	0.000	0.001	0.004
		0.011	0.011	-0.031	-0.000	-0.004	-0.001	-0.000
20	T(L=21) + HB2	0.031	0.027	-0.011	0.007	0.000	0.001	0.004
		0.011	0.011	-0.031	-0.000	-0.004	-0.001	-0.000
21	T(L=26) + HB2	0.031	0.027	-0.011	0.007	0.000	0.001	0.004
		0.011	0.011	-0.031	-0.000	-0.004	-0.001	-0.000

NO.	LOAD NAME	M-Y(T,M) 94 - 95	Q-Z(T)T 94 - 95	M-Y(T,M) 95 - 94	Q-Z(T)T 95 - 94	M-Y(T,M) 95 - 96	Q-Z(T)T 95 - 96	M-Y(T,M) 96 - 95
1		-0.015	0.011	0.008	-0.011	-0.001	0.003	0.005
2		-0.066	0.057	0.046	-0.057	-0.021	0.032	0.042
3	HA1	-0.017	0.000	0.000	0.014	0.003	0.001	0.001
4	HA2	-0.000	-0.014	-0.010	-0.000	-0.002	-0.006	-0.010
5		-0.017	0.062	0.050	0.014	0.007	0.037	0.046
6	(L=6)	-0.071	-0.014	-0.011	-0.062	-0.028	0.008	-0.011
7		0.005	0.003	0.002	0.004	0.003	0.001	0.001
8	(L=11)	-0.005	-0.004	-0.003	-0.003	-0.001	-0.003	-0.003
9	(L=16)	0.003	0.002	0.001	0.003	0.002	0.001	0.001
10	(L=21)	-0.003	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002
11		0.004	0.002	0.001	0.003	0.002	0.001	0.001
12	(L=26)	-0.004	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002
13		0.004	0.002	0.001	0.003	0.002	0.001	0.001
14	HB1	-0.003	-0.003	-0.002	-0.002	-0.001	-0.002	-0.002
15	HB2	0.010	-0.008	0.006	0.008	0.001	0.003	0.005
16	T(L=6) + HB1	-0.011	0.010	0.008	-0.010	-0.004	0.006	0.007
17		0.016	-0.005	-0.004	0.013	0.003	-0.001	-0.003
18	T(L=11) + HB1	0.006	-0.013	-0.009	0.005	-0.001	-0.006	-0.008
19		0.014	-0.006	-0.005	0.011	0.002	-0.002	-0.004
20	T(L=16) + HB1	0.007	-0.011	-0.008	0.006	-0.000	-0.005	-0.007
21		0.014	-0.006	-0.005	0.011	0.002	-0.002	-0.004
22	T(L=21) + HB1	0.007	-0.006	-0.005	0.006	-0.000	-0.002	-0.004
23		0.014	-0.011	-0.008	0.011	0.002	-0.002	-0.004
24	T(L=26) + HB1	0.007	-0.011	-0.008	0.006	-0.000	-0.002	-0.004
25		0.014	-0.006	-0.005	0.011	0.002	-0.002	-0.004
26	T(L=6) + HB2	-0.006	0.013	0.005	-0.013	-0.005	0.003	0.004
27		-0.016	0.012	0.010	-0.007	-0.003	0.007	0.008
28	T(L=11) + HB2	-0.014	0.007	0.006	-0.012	-0.005	0.004	0.005
29		-0.008	0.012	0.010	-0.007	-0.003	0.007	0.008
30	T(L=16) + HB2	-0.015	0.007	0.006	-0.012	-0.005	0.004	0.005
31		-0.008	0.012	0.010	-0.007	-0.003	0.007	0.008
32	T(L=21) + HB2	-0.015	0.007	0.006	-0.012	-0.005	0.004	0.005
33		-0.008	0.012	0.010	-0.007	-0.003	0.007	0.008
34	T(L=26) + HB2	-0.015	0.007	0.006	-0.012	-0.005	0.004	0.005

NO.	LOAD NAME	G-Z(T) 96-95	M-Y(T,M) 96-97	G-Z(T) 96-97	M-Y(T,M) 97-96	G-Z(T) 97-96	M-Y(T,M) 97-98	G-Z(T) 97-98
1		-0.003	-0.004	0.003	0.003	-0.003	-0.007	0.005
2		-0.032	-0.025	0.019	0.012	-0.019	-0.036	0.054
3	HA1	0.006	0.003	0.002	0.004	0.001	0.017	0.001
4	HA2	-0.001	-0.001	-0.002	-0.001	-0.003	-0.001	-0.017
		0.007	0.004	0.023	0.019	0.005	0.017	0.064
		-0.037	-0.027	-0.005	-0.007	-0.023	-0.064	-0.018
5	(L=6)	0.003	0.001	0.000	0.000	0.001	0.004	0.002
		-0.001	-0.000	-0.001	-0.000	-0.000	-0.002	-0.004
6	(L=11)	0.002	0.001	0.000	0.000	0.000	0.002	0.002
		-0.001	-0.000	-0.000	-0.000	-0.000	-0.002	-0.003
7	(L=16)	0.002	0.001	0.000	0.000	0.000	0.003	0.001
		-0.001	-0.000	-0.000	-0.000	-0.000	-0.001	-0.003
8	(L=21)	0.002	0.001	0.000	0.000	0.001	0.003	0.001
		-0.001	-0.000	-0.001	-0.000	-0.001	-0.001	-0.003
9	(L=26)	0.002	0.001	0.000	0.000	0.000	0.003	0.001
		-0.001	-0.000	-0.000	-0.000	-0.000	-0.001	-0.003
10	HB1	0.003	0.001	0.000	0.001	0.000	0.007	0.009
11	HB2	-0.006	-0.005	-0.004	-0.003	-0.004	-0.009	-0.009
12	T(L=6) + HB1	0.006	0.003	0.000	0.001	0.001	0.011	-0.005
		-0.001	-0.001	-0.001	-0.001	-0.000	-0.005	-0.011
13	T(L=11) + HB1	0.005	0.002	0.000	0.001	0.000	0.010	-0.006
		-0.002	-0.001	-0.000	-0.001	-0.000	-0.006	-0.010
14	T(L=16) + HB1	0.005	0.002	0.000	0.001	0.001	0.010	-0.006
		-0.002	-0.001	-0.001	-0.001	-0.000	-0.006	-0.010
15	T(L=21) + HB1	0.005	0.002	0.000	0.001	0.001	0.010	-0.006
		-0.002	-0.001	-0.001	-0.001	-0.000	-0.006	-0.010
16	T(L=26) + HB1	0.005	0.002	0.000	0.001	0.001	0.010	-0.006
		-0.002	-0.001	-0.001	-0.001	-0.000	-0.006	-0.010
17	T(L=6) + HB2	-0.003	-0.004	0.004	0.003	0.003	-0.005	0.011
		-0.007	-0.005	0.003	0.002	-0.004	-0.012	0.005
18	T(L=11) + HB2	-0.004	-0.004	0.004	0.003	0.003	-0.007	0.010
		-0.007	-0.005	0.003	0.003	-0.004	-0.011	0.006
19	T(L=16) + HB2	-0.004	-0.004	0.004	0.003	0.003	-0.007	0.010
		-0.007	-0.005	0.003	0.003	-0.003	-0.011	0.006
20	T(L=21) + HB2	-0.004	-0.004	0.004	0.003	0.003	-0.007	0.010
		-0.007	-0.005	0.003	0.003	-0.004	-0.011	0.006
21	T(L=26) + HB2	-0.004	-0.004	0.004	0.003	0.003	-0.007	0.010
		-0.007	-0.005	0.003	0.003	-0.004	-0.011	0.006

** UHURU BRIDGE **

NO.	LOAD NAME	M-Y (T, M) 98 - 97	Q-Z (T) 98 - 97	M-Y (T, M) 98 - 99	Q-Z (T) 98 - 99	M-Y (T, M) 99 - 98	Q-Z (T) 99 - 98
1		0.003	-0.005	-0.006	0.017	0.028	-0.017
2		0.051	-0.054	-0.017	0.046	0.074	-0.046
3	HA1	0.001	0.017	0.000	0.002	0.003	0.008
4	HA2	-0.018	-0.001	0.004	-0.008	-0.018	-0.003
		0.064	0.018	0.007	0.054	0.089	0.011
		-0.020	-0.065	-0.024	-0.011	-0.021	-0.054
5	(L=6)	0.002	0.004	0.000	0.001	0.003	0.001
		-0.004	-0.002	-0.001	-0.001	-0.003	-0.001
6	(L=11)	0.001	0.003	0.000	0.001	0.002	0.001
		-0.002	-0.002	-0.000	-0.001	-0.002	-0.001
7	(L=16)	0.001	0.003	0.000	0.001	0.002	0.001
		-0.002	-0.001	-0.001	-0.001	-0.002	-0.001
8	(L=21)	0.001	0.003	0.000	0.001	0.002	0.001
		-0.002	-0.001	-0.000	-0.001	-0.002	-0.001
9	(L=26)	0.001	0.003	0.000	0.001	0.002	0.001
		-0.002	-0.001	-0.000	-0.001	-0.002	-0.001
10	HB1	-0.007	0.007	-0.002	-0.001	-0.005	0.002
11	HB2	0.008	-0.009	-0.003	0.008	0.012	-0.008
12	T(L=6) + HB1	-0.005	0.011	-0.001	-0.000	-0.002	0.003
		-0.011	-0.005	-0.002	-0.003	-0.008	0.000
13	T(L=11) + HB1	-0.005	0.010	-0.001	-0.001	-0.004	0.003
		-0.009	-0.006	-0.002	-0.003	-0.007	0.001
14	T(L=16) + HB1	-0.006	0.010	-0.001	-0.001	-0.004	0.003
		-0.009	-0.006	-0.002	-0.003	-0.007	0.001
15	T(L=21) + HB1	-0.006	0.010	-0.001	-0.001	-0.004	0.003
		-0.009	-0.006	-0.002	-0.003	-0.007	0.001
16	T(L=26) + HB1	-0.006	0.010	-0.001	-0.001	-0.004	0.003
		-0.009	-0.006	-0.002	-0.003	-0.007	0.001
17	T(L=6) + HB2	0.011	-0.005	-0.003	0.009	0.015	-0.007
		0.004	-0.011	-0.004	0.007	0.010	-0.009
18	T(L=11) + HB2	0.010	-0.006	-0.003	0.009	0.014	-0.007
		0.006	-0.010	-0.004	0.007	0.011	-0.009
19	T(L=16) + HB2	0.010	-0.006	-0.003	0.009	0.014	-0.007
		0.006	-0.010	-0.004	0.007	0.011	-0.009
20	T(L=21) + HB2	0.010	-0.006	-0.003	0.009	0.014	-0.007
		0.006	-0.010	-0.004	0.007	0.011	-0.009
21	T(L=26) + HB2	0.010	-0.006	-0.003	0.009	0.014	-0.007
		0.006	-0.010	-0.004	0.007	0.011	-0.009

NO.	LOAD NAME	RE-PZ(T) 1	RE-PZ(T) 2	RE-PZ(T) 3	RE-PZ(T) 4	RE-PZ(T) 5	RE-PZ(T) 6	RE-PZ(T) 7
1		8.736	0.857	2.354	2.164	2.139	6.234	2.133
2		20.875	19.569	19.591	19.439	19.414	19.414	19.420
3	HA1	22.879	21.507	20.953	20.620	20.670	20.702	20.666
		(+)	(-)	(-)	(-)	(-)	(-)	(-)
4	HA2	-1.299	-1.432	-0.795	-0.815	-0.742	-0.769	-0.756
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
5	(L=6)	21.579	20.201	19.668	19.344	19.335	19.337	19.335
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
6	(L=11)	-3.839	-3.195	-2.731	-2.468	-2.351	-2.336	-2.347
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
7	(L=16)	46.701	33.220	11.248	3.854	1.620	0.591	0.269
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
8	(L=21)	-3.521	-4.928	-2.295	-1.618	-0.975	-0.748	-0.766
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
9	(L=26)	35.901	27.280	8.167	2.393	1.003	0.373	0.189
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
10	H81	-2.368	-4.468	-1.563	-1.086	-0.638	-0.495	-0.491
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
11	H82	32.947	26.125	7.756	2.393	1.001	0.381	0.188
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
12	T(L=6) + H81	-2.286	-4.477	-1.480	-1.025	-0.639	-0.517	-0.505
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
13	T(L=11) + H81	32.886	26.101	7.750	2.393	1.001	0.381	0.188
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
14	T(L=16) + H81	-2.286	-4.478	-1.480	-1.025	-0.641	-0.497	-0.489
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
15	T(L=21) + H81	2.844	4.811	10.743	9.088	6.858	5.256	6.226
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
16	T(L=26) + H81	1.802	3.597	8.780	7.317	5.302	3.876	4.719
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
17	T(L=6) + H82	47.545	38.031	21.991	12.942	8.478	5.838	6.495
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
18	T(L=11) + H82	-0.677	-0.117	8.448	7.471	5.884	4.508	5.460
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
19	T(L=16) + H82	38.745	32.091	18.910	11.481	7.862	5.629	6.415
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
20	T(L=21) + H82	0.476	0.343	9.180	8.002	6.220	4.761	5.735
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
21	T(L=26) + H82	35.791	30.936	18.499	11.481	7.859	5.638	6.413
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
22	T(L=6) + H81	0.558	0.394	9.263	8.064	6.219	4.739	5.720
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
23	T(L=11) + H81	35.729	30.912	18.493	11.481	7.859	5.638	6.413
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
24	T(L=16) + H81	0.558	0.291	9.263	8.064	6.203	4.702	5.715
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
25	T(L=21) + H81	35.729	30.912	18.493	11.481	7.859	5.638	6.413
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
26	T(L=26) + H81	0.558	0.033	9.263	8.064	6.218	4.759	5.737
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
27	T(L=6) + H82	46.503	36.817	20.029	11.171	6.922	4.457	4.988
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
28	T(L=11) + H82	-1.719	-1.331	6.485	5.699	4.327	3.127	3.953
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
29	T(L=16) + H82	37.703	30.877	16.947	9.710	6.305	4.249	4.908
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
30	T(L=21) + H82	-0.566	-0.872	7.217	6.231	4.663	3.581	4.228
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
31	T(L=26) + H82	34.749	29.722	16.536	9.710	6.303	4.257	4.906
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
32	T(L=6) + H81	-0.484	-0.820	7.300	6.292	4.663	3.559	4.213
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
33	T(L=11) + H81	34.688	29.697	16.530	9.710	6.303	4.257	4.906
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
34	T(L=16) + H81	-0.484	-0.820	7.300	6.292	4.663	3.559	4.213
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
35	T(L=21) + H81	34.688	29.697	16.530	9.710	6.303	4.257	4.906
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
36	T(L=26) + H81	-0.484	-0.820	7.300	6.292	4.663	3.559	4.213
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
37	T(L=6) + H82	42.951	36.983	20.530	11.181	6.661	4.661	4.230
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
38	T(L=11) + H82	-8.695	-8.149	48.232	44.489	39.976	3.379	4.230
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
39	T(L=16) + H82			48.232	44.489	39.976	41.021	38.543
		(-)	(-)	(-)	(-)	(-)	(-)	(-)
40	T(L=21) + H82			-6.764	-6.481	-6.263	-6.242	-6.045
		(+)	(+)	(+)	(+)	(+)	(+)	(+)
41	T(L=26) + H82							
	DEAD							
	DEAD							

NO.	LOAD NAME	RE-PZ(T) 8	RE-PZ(T) 9	RE-PZ(T) 10	RE-PZ(T) 11	RE-PZ(T) 45	RE-PZ(T) 46	RE-PZ(T) 47
1		2.174	2.349	0.911	8.675	26.543	6.270	8.495
2		19.456	19.560	19.456	20.680	67.873	62.112	62.112
3	H A1	20.632	20.940	21.576	22.675	30.004	28.209	27.307
4	H A2	-0.814	-0.806	-1.429	-1.274	-2.266	-1.920	-1.649
5	(L=6)	19.357	19.660	20.265	21.386	47.914	44.657	42.954
6	(L=11)	-2.477	-2.716	-3.199	-3.724	-3.564	-2.964	-2.453
7	(L=16)	0.256	0.362	0.431	0.492	64.736	49.702	16.231
8	(L=21)	-0.764	-0.745	-0.624	-0.494	0.000	-3.959	0.000
9	(L=26)	0.179	0.230	0.263	0.299	53.534	38.612	13.642
10	H B1	-0.480	-0.460	-0.380	-0.302	0.000	-0.585	0.000
11	H B2	0.168	0.218	0.254	0.295	45.668	34.190	14.895
12	T(L=6) + H B1	-0.490	-0.460	-0.380	-0.297	0.000	-3.658	0.000
13	T(L=11) + H B1	0.168	0.218	0.254	0.295	43.388	34.859	15.230
14	T(L=16) + H B1	0.203	0.287	0.380	0.460	38.243	34.027	11.846
15	T(L=21) + H B1	4.728	4.801	5.792	5.968	3.809	7.435	15.413
16	T(L=26) + H B1	6.459	6.449	6.223	6.460	68.545	57.137	24.686
17	T(L=6) + H B2	5.239	5.342	5.168	5.474	3.809	3.476	31.645
18	T(L=11) + H B2	6.381	6.316	6.055	6.267	57.342	46.047	15.413
19	T(L=16) + H B2	5.722	5.626	5.412	5.666	3.809	6.850	29.055
20	T(L=21) + H B2	6.371	6.305	6.046	6.263	49.477	41.635	15.413
21	T(L=26) + H B2	5.713	5.626	5.412	5.671	3.809	3.777	30.308
DEAD		4.897	4.890	4.709	4.923	47.197	42.394	15.413
DEAD		4.248	4.200	4.066	4.321	3.809	3.352	30.633
DEAD		4.897	4.879	4.701	4.919	42.052	41.452	15.413
DEAD		4.238	4.200	4.067	4.327	3.809	3.352	26.599
DEAD		4.897	4.879	4.701	4.919	49.164	45.714	15.413
DEAD		4.235	4.200	4.067	4.327	46.583	46.583	24.686
DEAD		4.897	4.879	4.701	4.919	5.775	7.442	39.907
DEAD		4.239	4.200	4.067	4.327	44.018	45.551	24.686
DEAD		36.715	36.960	39.242	48.742	112.674	96.997	33.872
DEAD		-6.153	-6.304	-8.436	-8.795	-8.673	-8.986	117.078
								-6.371

NO.	LOAD NAME	RE-PZ(T) 48	RE-PZ(T) 49	RE-PZ(T) 50	RE-PZ(T) 51	RE-PZ(T) 52	RE-PZ(T) 53	RE-PZ(T) 54
1		7.726	7.703	17.415	7.720	7.734	8.520	6.171
2		61.784	61.497	61.662	61.550	61.859	62.116	62.507
3	HAT	27.204	27.339	27.516	-2.072	-1.770	-1.662	-1.941
4	HAI	-1.755	-2.076	-2.232	43.088	42.794	42.998	44.558
5	(L=6)	42.748	43.061	43.306	-3.361	-2.624	-2.494	-2.998
6	(L=11)	-2.633	-3.095	-3.361	0.077	0.000	0.000	0.000
7	(L=16)	5.111	1.902	0.566	-1.295	-1.201	-0.867	-0.457
8	(L=21)	0.000	-0.556	-1.126	0.066	0.000	0.000	0.000
9	(L=26)	4.451	1.651	0.492	-1.124	-1.040	-0.752	-0.389
10	HB1	0.000	-0.481	-0.976	0.094	0.000	0.000	0.000
11	HB2	6.426	2.381	0.710	-1.628	-1.504	-1.088	-0.560
12	T(L=6) + HB1	0.000	-0.695	-1.413	0.102	0.000	0.000	0.000
13	T(L=11) + HB1	6.934	2.567	0.766	-1.761	-1.626	-1.175	-0.603
14	T(L=16) + HB1	0.000	-0.749	-1.530	0.064	0.000	0.000	0.000
15	T(L=21) + HB1	4.279	1.602	0.473	-1.086	-1.005	-0.726	-0.379
16	T(L=26) + HB1	0.000	-0.664	-0.944	9.120	8.993	8.888	8.494
17	T(L=6) + HB2	13.719	10.599	8.281	14.258	14.146	13.901	13.358
18	T(L=11) + HB2	21.679	16.540	12.716	9.197	8.993	8.888	8.494
19	T(L=16) + HB2	18.830	12.502	8.847	7.825	7.792	8.021	8.037
20	T(L=21) + HB2	13.719	10.043	7.155	9.186	8.993	8.888	8.494
21	T(L=26) + HB2	18.170	12.250	8.773	7.996	7.953	8.136	8.105
DEAD		13.719	10.118	7.305	9.215	8.993	8.888	8.494
DEAD		20.144	12.980	8.991	7.493	7.489	7.801	7.934
		13.719	9.905	6.867	9.322	8.993	8.888	8.494
		20.633	13.167	9.047	7.360	7.367	7.713	7.889
		13.719	9.850	6.751	9.184	8.993	8.888	8.494
		17.998	12.201	8.754	8.034	7.988	8.115	8.115
		13.719	10.135	7.337	14.334	14.146	13.901	13.358
		26.720	18.442	13.282	12.963	12.945	13.034	12.901
		21.679	15.984	11.590	14.323	14.146	13.901	13.358
		26.130	18.190	13.208	13.134	13.106	13.149	12.969
		21.679	16.058	11.740	14.352	14.146	13.901	13.358
		28.104	18.920	13.426	12.630	12.642	12.813	12.798
		21.679	15.845	11.302	14.360	14.146	13.901	13.358
		28.613	19.107	13.482	12.497	12.521	12.726	12.753
		21.679	15.790	11.186	14.321	14.146	13.901	13.358
		25.958	18.142	13.189	13.172	13.141	13.175	12.979
		21.679	16.075	11.772	100.116	98.180	100.794	100.794
		111.318	104.227	109.225	-7.467	-5.448	-5.215	-10.263
		-6.411	-7.566	-9.151				

NO.	LOAD NAME	RE-PZ(T) 55	RE-PZ(T) 89	KE-PZ(T) 90	RE-PZ(T) 91	RE-PZ(T) 92	RE-PZ(T) 93	RE-PZ(T) 94
1		26.644	8.723	0.871	2.366	2.177	2.725	6.247
2		68.216	20.831	19.658	19.509	19.509	19.314	19.493
3	HA1	30.157	0.559	0.306	0.275	0.174	0.174	0.124
		-2.272	-3.200	-2.668	-2.404	-2.167	-2.030	-2.057
4	HA2	48.132	21.523	20.261	19.601	19.378	19.353	19.581
		-3.572	-3.803	-3.222	-2.700	-2.485	-2.318	-2.357
5	(L=6)	0.171	44.016	33.293	11.202	3.889	1.595	0.595
		-0.180	-3.469	-4.970	-2.266	-1.630	-0.958	-0.752
6	(L=11)	0.147	35.840	27.318	8.139	2.415	0.988	0.380
		-0.156	-2.339	-4.467	-1.544	-1.095	-0.628	-0.498
7	(L=16)	0.212	32.925	26.151	7.734	2.414	0.986	0.389
		-0.225	-2.258	-4.426	-1.463	-1.033	-0.629	-0.521
8	(L=21)	0.229	32.864	26.127	7.728	2.414	0.986	0.389
		-0.242	-2.258	-4.418	-1.463	-1.033	-0.645	-0.558
9	(L=26)	0.143	32.864	26.127	7.728	2.414	0.986	0.389
		-0.150	-2.258	-4.495	-1.463	-1.033	-0.630	-0.499
10	HB1	9.016	-1.111	-0.997	-0.844	-0.951	-1.071	-1.187
11	HB2	14.108	0.809	2.412	7.324	5.826	3.793	2.483
12	T(L=6) + HB1	9.187	42.506	32.296	10.358	2.938	0.524	-0.592
		8.836	-4.580	-5.967	-3.110	-2.581	-2.029	-1.939
13	T(L=11) + HB1	9.163	34.729	26.321	7.295	1.464	-0.083	-0.807
		8.860	-3.449	-5.464	-2.388	-2.045	-1.699	-1.685
14	T(L=16) + HB1	9.228	31.814	25.154	6.890	1.464	-0.085	-0.798
		8.791	-3.369	-5.423	-2.307	-1.984	-1.700	-1.708
15	T(L=21) + HB1	9.266	31.753	25.129	6.884	1.464	-0.085	-0.798
		8.774	-3.369	-6.115	-2.307	-1.984	-1.716	-1.745
16	T(L=26) + HB1	9.159	31.753	25.129	6.884	1.464	-0.085	-0.798
		8.866	-3.369	-5.792	-2.307	-1.984	-1.701	-1.686
17	T(L=6) + HB2	14.279	45.426	35.705	18.527	9.715	5.388	3.078
		13.928	-2.660	-2.558	5.058	4.196	2.836	1.731
18	T(L=11) + HB2	14.255	36.649	29.730	15.463	8.241	4.781	2.863
		13.932	-1.529	-2.055	5.780	4.731	3.165	1.984
19	T(L=16) + HB2	14.350	33.735	28.563	15.058	8.241	4.779	2.872
		13.884	-1.449	-2.015	5.861	4.793	3.164	1.962
20	T(L=21) + HB2	14.338	33.674	28.538	15.052	8.241	4.779	2.872
		13.866	-1.449	-2.706	5.861	4.793	3.149	1.925
21	T(L=26) + HB2	14.251	33.674	28.538	15.052	8.241	4.779	2.872
		13.958	-1.449	-2.384	5.861	4.793	3.163	1.983
	DEAD	127.523	38.917	31.246	35.809	34.037	31.464	34.711
	DEAD	-9.539	-9.664	-9.303	-7.474	-7.474	-7.303	-7.675

** PICKUP TABLE ** NO. 1

BENDING MOMENT (T.M)		MIN		MAX	
I	J	CASE	FORCE	CASE	FORCE
1	1	12	0.001	12	-0.044
1	1	12	127.105	12	-3.149
2	2	12	127.105	12	-3.149
2	2	12	140.139	12	-6.300
3	3	12	139.991	12	-6.277
3	3	12	76.333	12	-53.935
4	4	12	76.333	12	-53.935
4	4	12	-9.669	13	-121.360
4	4	12	-9.862	13	-121.286
5	5	12	57.606	12	-71.962
5	5	12	57.606	12	-71.962
6	6	12	102.705	12	-42.557
6	6	12	102.599	12	-42.499
7	7	12	108.331	12	-21.253
7	7	12	108.331	12	-21.253
8	8	12	0.035	12	-0.007
8	8	12	-0.002	12	-0.034
9	9	12	97.300	12	6.290
9	9	12	97.300	12	6.290
10	10	12	116.079	12	8.154
10	10	12	115.966	12	8.158
11	11	12	59.496	12	-31.813
11	11	12	59.496	12	-31.813
12	12	12	-15.867	12	-95.368
12	12	12	-15.853	12	-95.313
13	13	12	35.898	12	-55.682
13	13	12	35.898	12	-55.682
14	14	12	75.189	12	-35.651
14	14	12	75.123	12	-35.605
15	15	12	73.813	12	-17.805
15	15	12	73.813	12	-17.805
16	16	12	0.024	12	-0.006
16	16	12	-0.007	12	-0.024
17	17	12	69.867	12	20.409
17	17	12	69.867	12	20.409
18	18	12	85.466	12	3.013
18	18	12	85.372	12	3.008
19	19	12	41.446	12	-7.953
19	19	12	41.446	12	-7.953
20	20	12	-25.937	14	-62.621
20	20	12	-25.920	14	-62.578
21	21	12	6.522	12	-42.957
21	21	12	6.522	12	-42.957
22	22	12	53.263	12	-29.192
22	22	12	53.215	12	-29.153
23	23	12	34.650	12	-14.579
23	23	12	34.650	12	-14.579
24	24	12	0.011	12	-0.005
24	24	12	-0.008	12	-0.018
25	25	12	47.615	12	21.907