

Electronic Supplementary Information

Mechanistic investigation of the transfer hydrogenation of alkyne catalysed by an MLC catalyst with multiple ancillary ligand sites

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1. The comparison of free energy barriers using different functionals.

Table S1. The comparison of free energy barrier using different functionals (kcal/mol).

Functionals	IM7	TS16	TS22
M06-L	0.0	32.4	21.6
M06	0.0	32.5	22.8
B3LYP-D3	0.0	29.6	19.1
PBE1PBE	0.0	38.4	24.2

In order to select appropriate functional for our calculation, we compare a series of functionals which are widely used in the computational studies relevant to catalytic hydrogenation and dehydrogenation reaction. The rate-determining transition states and intermediates were calculated using different functionals. The results are shown in Table S1. The relative reaction activation energy calculated by different functionals is basically the same trend. Based on these results, we chose M06-L as the functional considering the computational expense and accuracy.

2. The active site interconversion at different spin states.

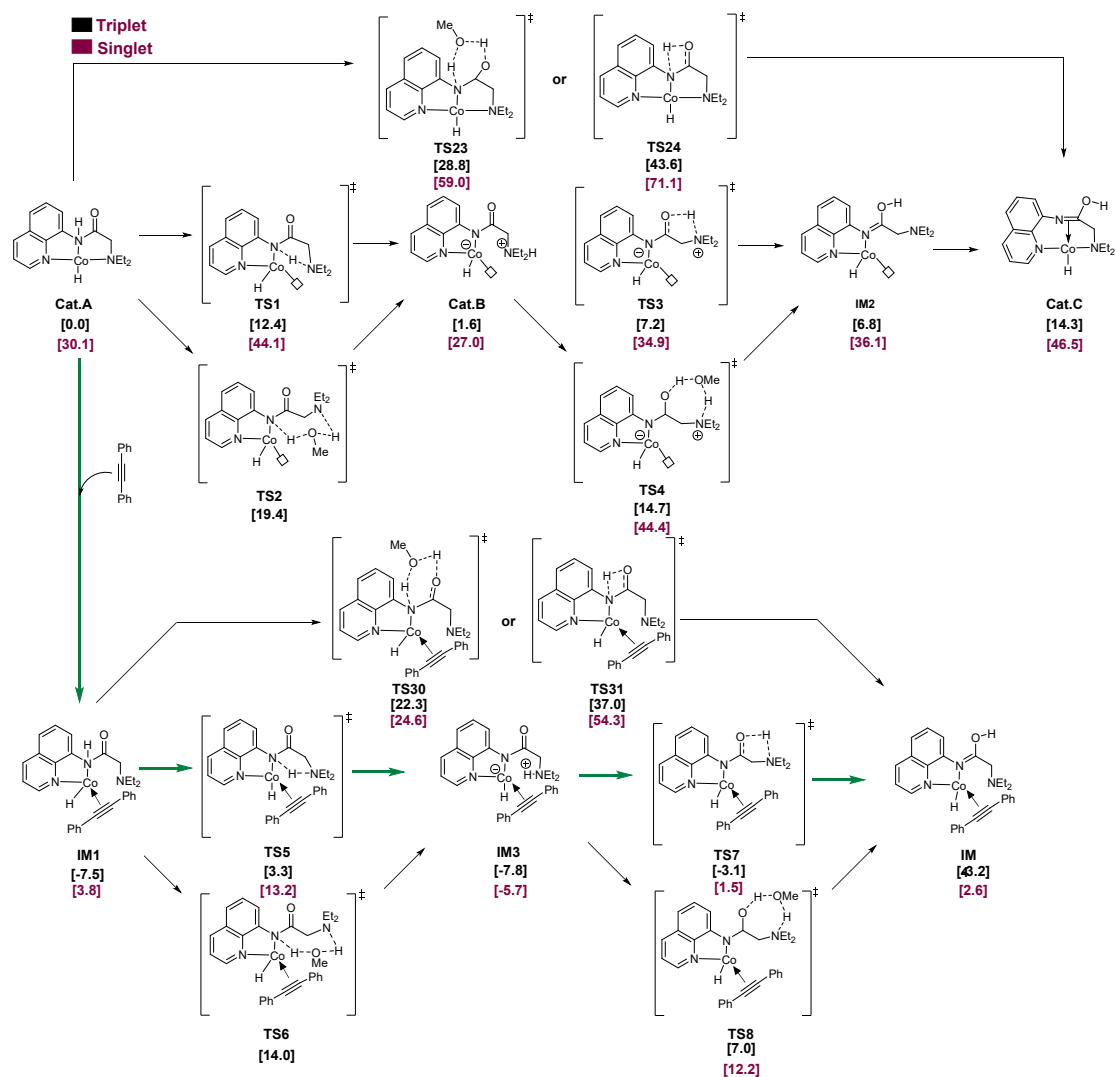


Figure S1. The reaction pathways of the active site interconversion under different spin multiplicities. Free energy results are reported in kcal/mol.

3. The reaction pathway assisted by the N-H moiety at single and triplet state.

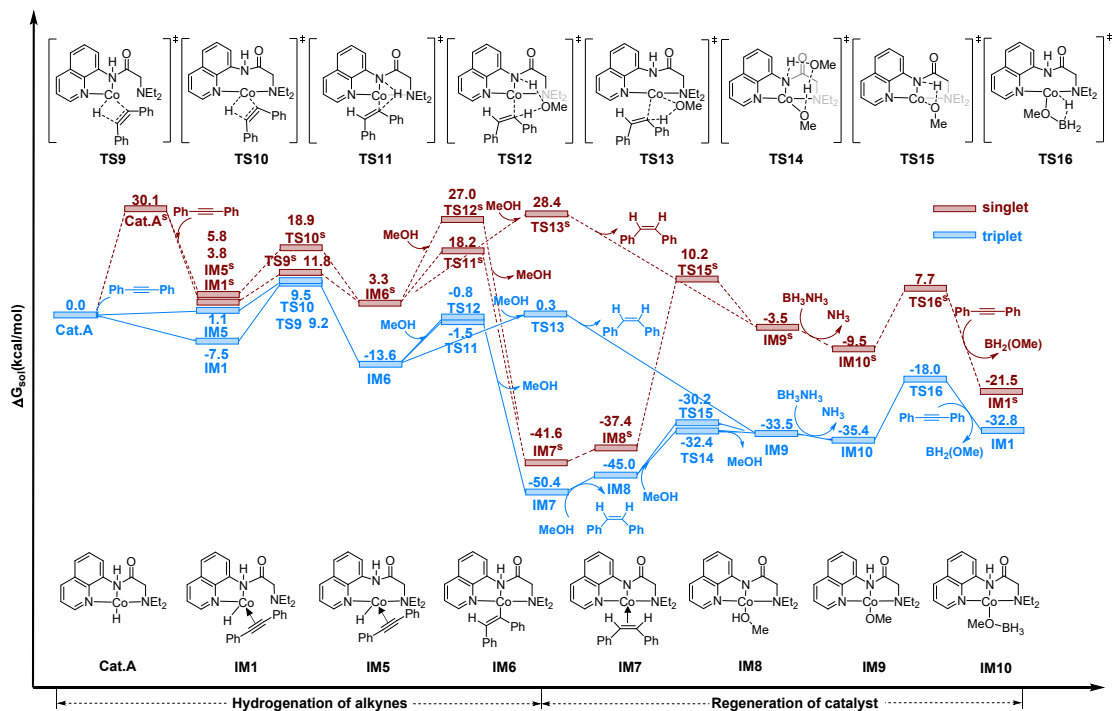


Figure S2. The reaction pathway assisted by the N-H moiety in the single/triplet state. Free energy results are reported in kcal/mol.

4. The pathway assisted by the NEt₂ moiety at single and triplet state.

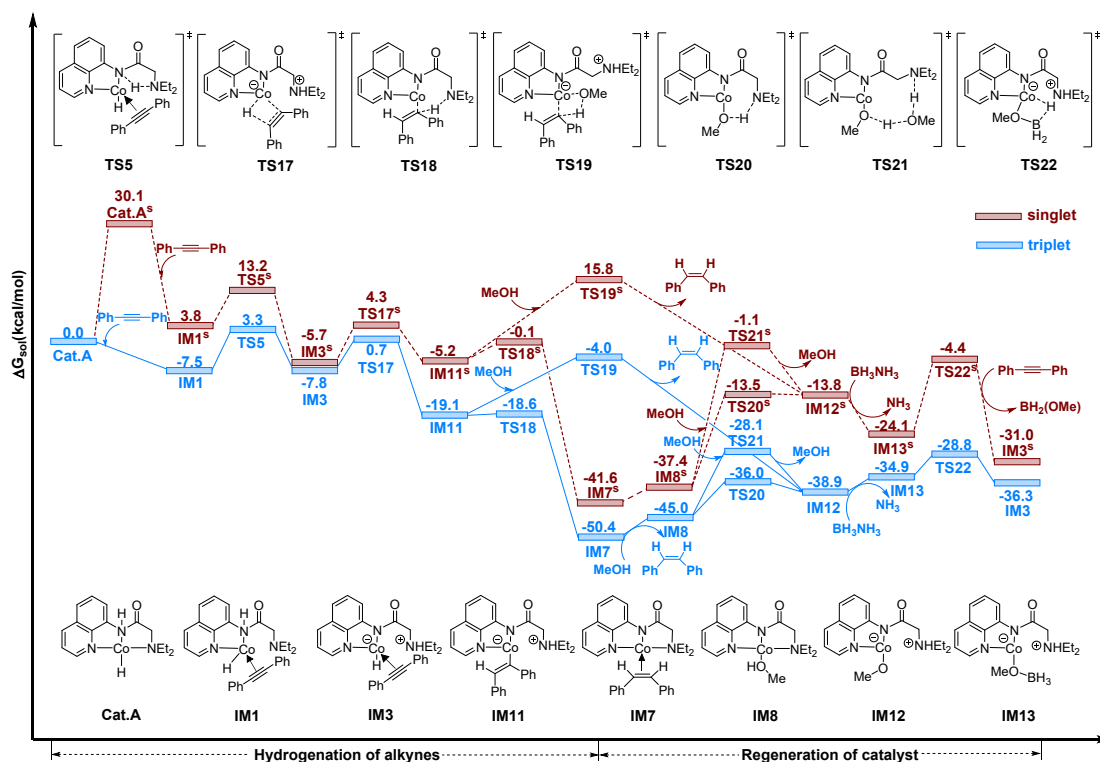


Figure S3. The pathway assisted by the NEt₂ moiety in the single/triplet state. Free energy results are reported in kcal/mol.

5. The pathway assisted by the hydroxyl group at single and triplet state.

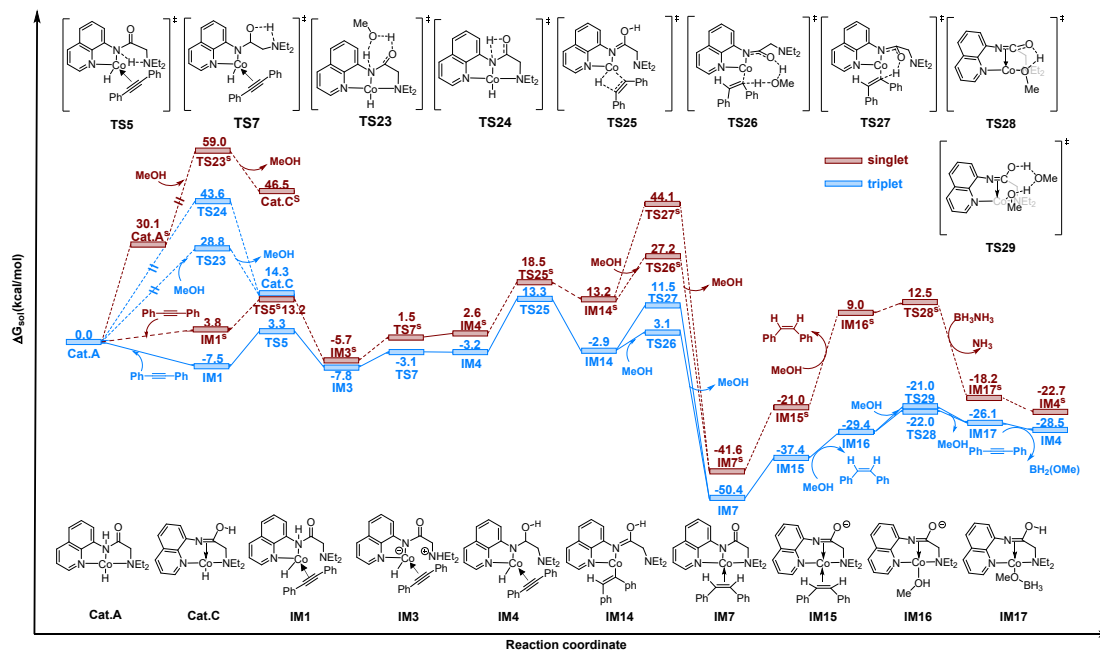
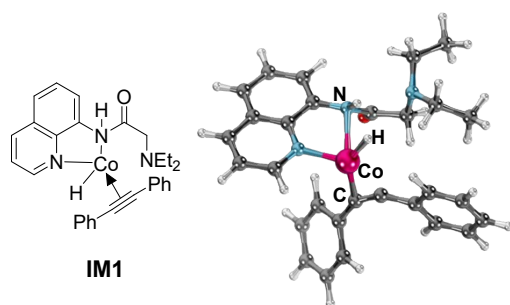


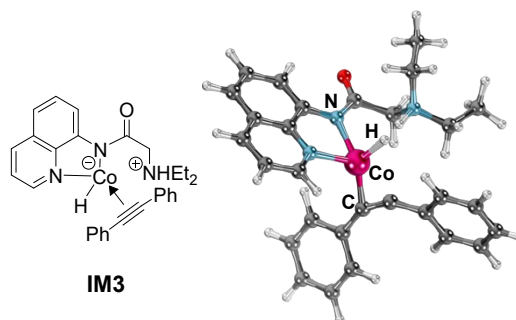
Figure S4. The pathway assisted by the hydroxyl group in the single/triplet state. Free energy results are reported in kcal/mol.

6. Structural analysis of key intermediates.

M = Mayer bond order
B = Bond lengths(Å)

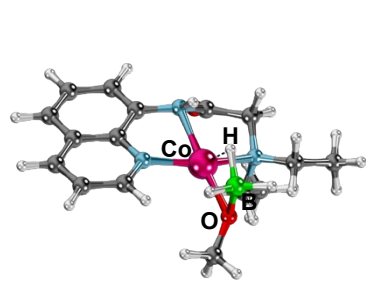


$B_{\text{Co-H}} = 1.61$ $M_{\text{Co-H}} = 0.73$

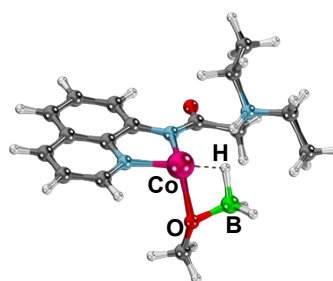


$B_{\text{Co-H}} = 1.66$ $M_{\text{Co-H}} = 0.53$

Figure S5. Structural analysis of IM1 and IM3.



$B_{\text{Co-O}} = 2.05$ $M_{\text{Co-O}} = 0.33$
 $B_{\text{B-H}} = 1.30$ $M_{\text{B-H}} = 0.59$



$B_{\text{Co-O}} = 2.07$ $M_{\text{Co-O}} = 0.30$
 $B_{\text{B-H}} = 1.33$ $M_{\text{B-H}} = 0.53$

Figure S6. Structural analysis of IM10 and IM13.

7. The origin of the chemo-selectivity.

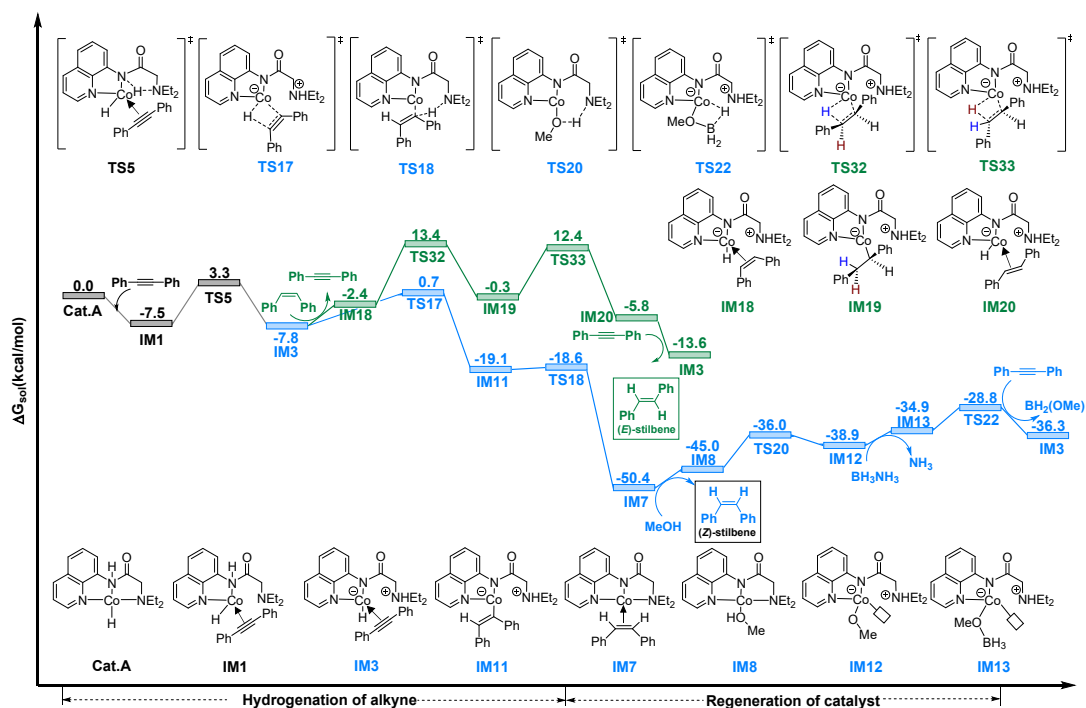


Figure S7. The free energy diagram of the competition between the insertion of alkyne and the isomerization from (Z)-stilbene to (E)-stilbene.

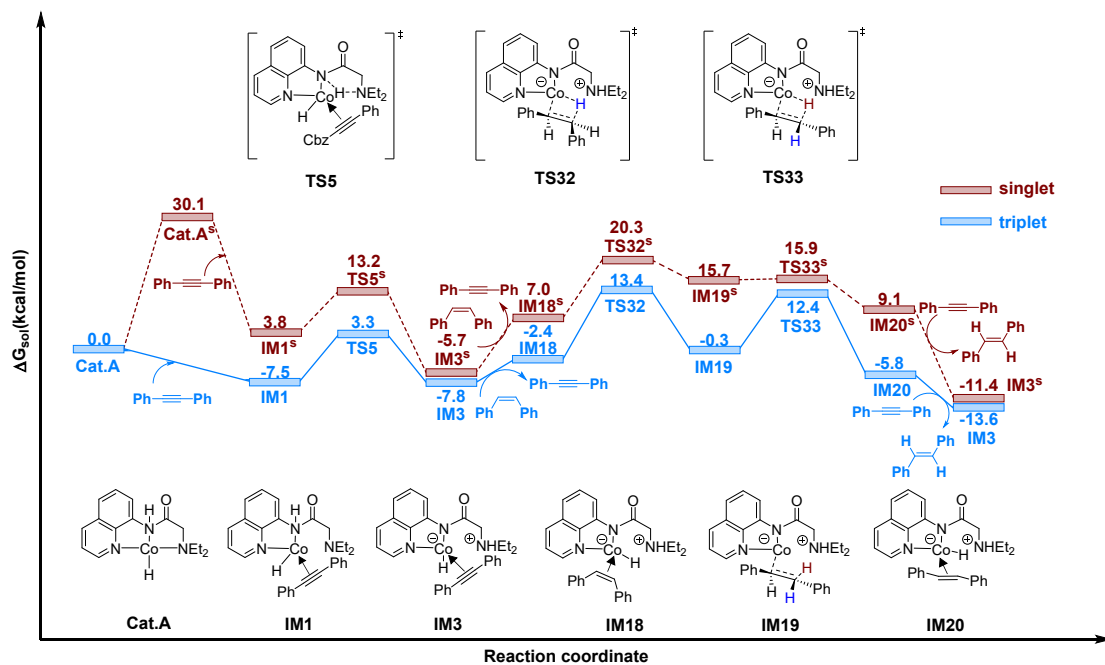


Figure S8. The free energy diagram of the isomerization from (Z)-stilbene to (E)-stilbene at singlet and triplet spin states.

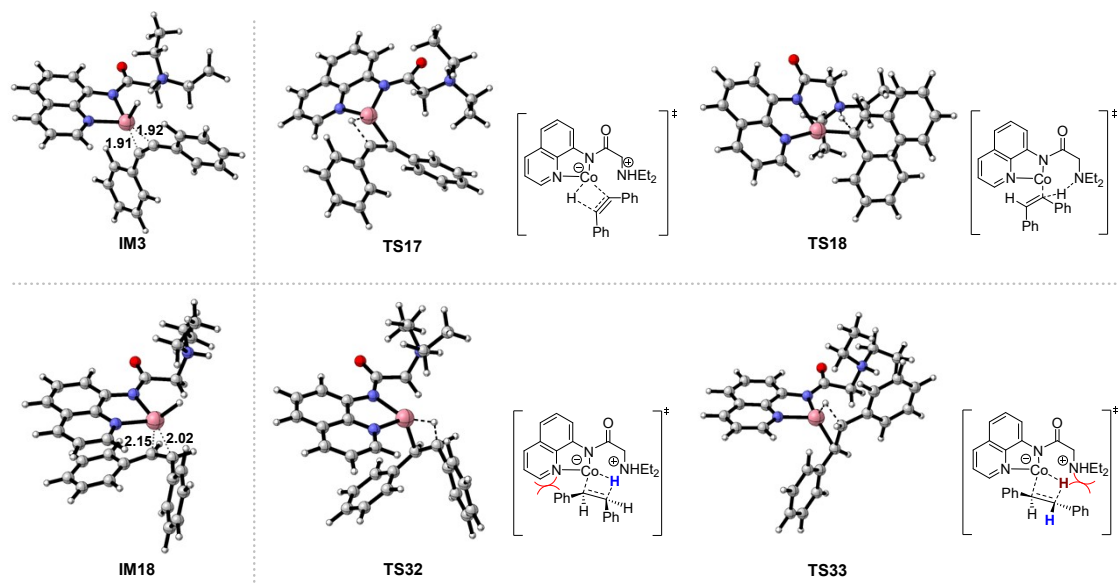


Figure S9. The differences in steric repulsion of the key optimized structures and transition states.

8. The kinetics of Co(II) \rightarrow Co(I).

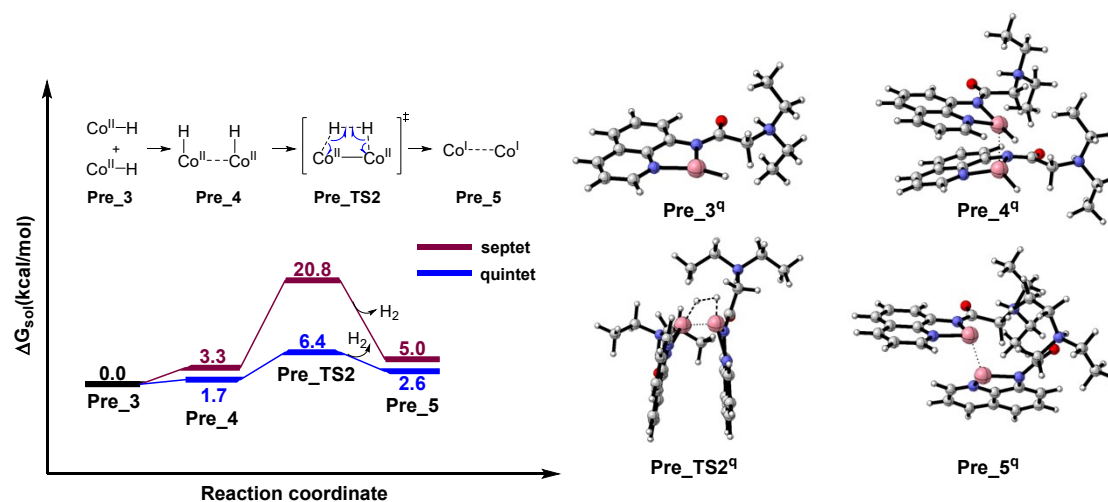


Figure S9. The free energy diagram of the reduction of Co(II) center to Co(I) center.

For the reduction of Co(II) center, the Co(II) hydride complex (**Pre_3**) is usually formed with the aid of BH_3NH_3 . Subsequently, two Co(II)-H complexes will form a dimer (**Pre_4**) and release a molecular of H_2 . During this process, Co(II) center is reduced to Co(I) via a concerted transition state (**Pre_TS2**). The transition state at singlet (both closed shell and open shell) and triplet spin states cannot be located by DFT calculation. However, the transition state at septet and quintet spin states were successfully obtained by DFT calculation. The calculated results suggest the transition state at quintet possesses a lower relative activation free energy barrier (6.4 kcal/mol) compared with septet spin state (20.8 kcal/mol). The localized orbital bonding analysis (LOBA) proposed by Head-Gordon et al is performed and further confirmed the oxidation state of Co in **Pre_5^q** is +1 after the formation of H_2 .

9. The TDI and TDTS of two reaction pathways considering the energetic span model.

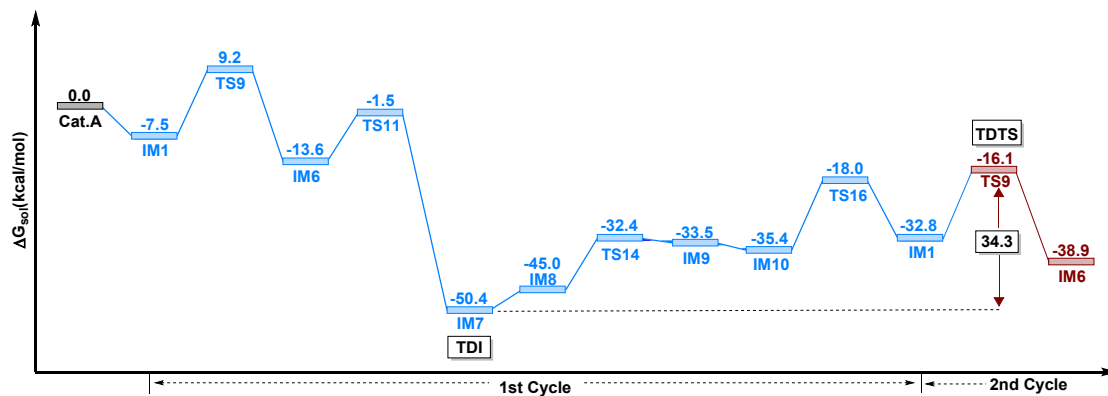


Figure S10. The free energy diagram of the transfer hydrogenation alkyne assisted by the amide group considering the energetic span model.

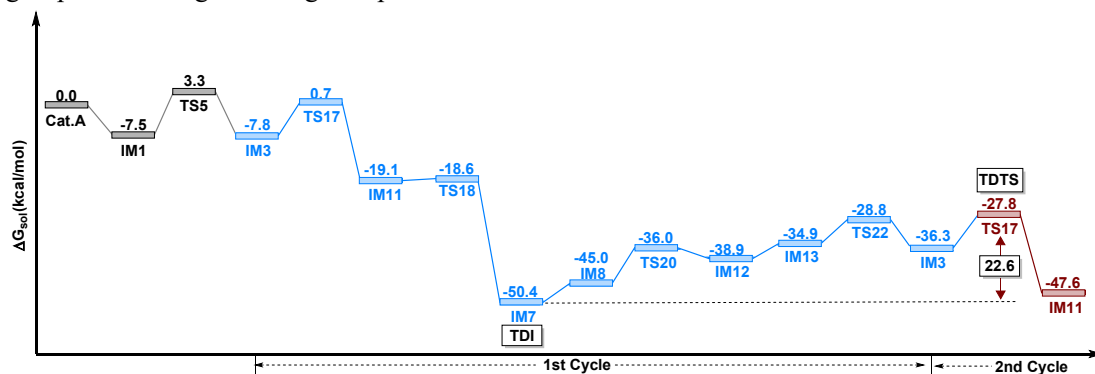


Figure S11. The free energy diagram of the transfer hydrogenation alkyne assisted by the NEt_2 group considering the energetic span model.

10. The origin of the non-proton-shuttle path preference over proton-shuttle path

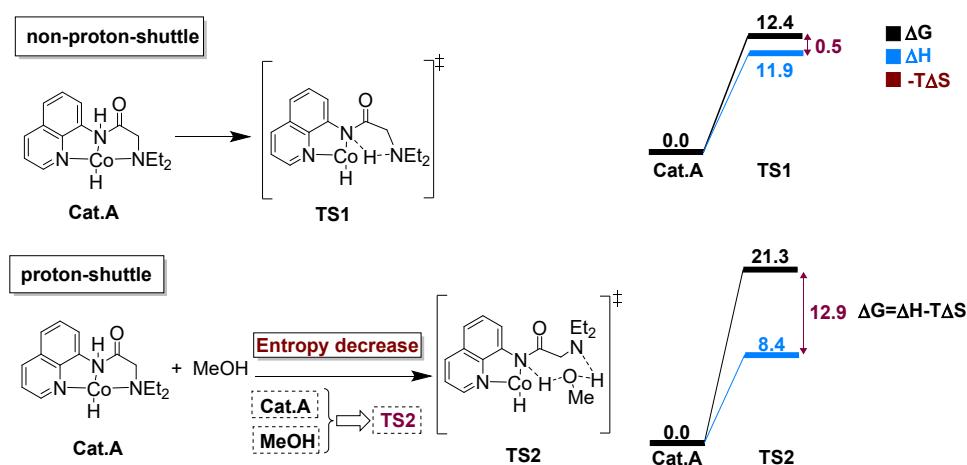


Figure S12. The difference in the entropy of non-proton-shuttle path and proton-shuttle path.

The proton-shuttle mechanism exhibits a higher energy barrier in the free energy due to the introduction of an additional MeOH molecule, in which the entropy decreases significantly compared to the non-proton shuttle mechanism. For instance, the ΔH of non-proton shuttle (TS2: 8.4 kcal/mol) is lower compared with TS1 (11.9 kcal/mol). However, the free energy of **TS2** (21.3 kcal/mol) is much higher than **TS1** (12.4 kcal/mol) after adding the entropy term, $-T\Delta S$, (TS1: 0.5 kcal/mol; TS2: 12.9 kcal/mol).

Table S2. The comparison of free energy, enthalpy and entropy in non-proton-shuttle and proton-shuttle transition states.

□ Proton transfer TSs	ΔG^\ddagger 1.9 correction (kcal/mol)	ΔG^\ddagger (kcal/mol)	ΔH^\ddagger (kcal/mol)	$T\Delta S^\ddagger$ (kcal/mol)
TS1	12.4	12.4	11.9	-0.5
TS2(proton shuttle)	19.4	21.3	8.4	-12.9
TS3	5.6	5.6	5.0	-0.6
TS4(proton shuttle)	13.1	15.0	3.8	-11.2
TS5	10.8	10.8	9.5	-1.3
TS6(proton shuttle)	21.5	23.4	7.2	-16.2
TS7	4.7	4.7	4.3	-0.4
TS8(proton shuttle)	14.8	16.8	3.9	-12.9
TS24	43.6	43.6	43.0	-0.6
TS23(proton shuttle)	28.8	30.7	16.9	-13.8
TS31	44.5	44.5	44.8	0.3
TS30(proton shuttle)	29.8	31.7	18.9	-12.8

We also summarized the ΔG , ΔH and $T\Delta S$ of all the proton transfer transition states in the table below. It can be seen the decrease of entropy in proton shuttle mechanism is the origin of the

mechanistic preference toward non-proton shuttle mechanism in most cases. However, for the suprafacial 1,3-H-shift reaction **TS24** and **TS31** with higher barrier both in ΔG and ΔH due to the orbital symmetry restraint, the proton shuttle mechanism via **TS23** and **TS30** actually decreases the free energy barrier. This results also represent the positive effect of proton shuttle reaction.

11. The NEt_2 arm dissociation of the Co(II) catalyst precursor

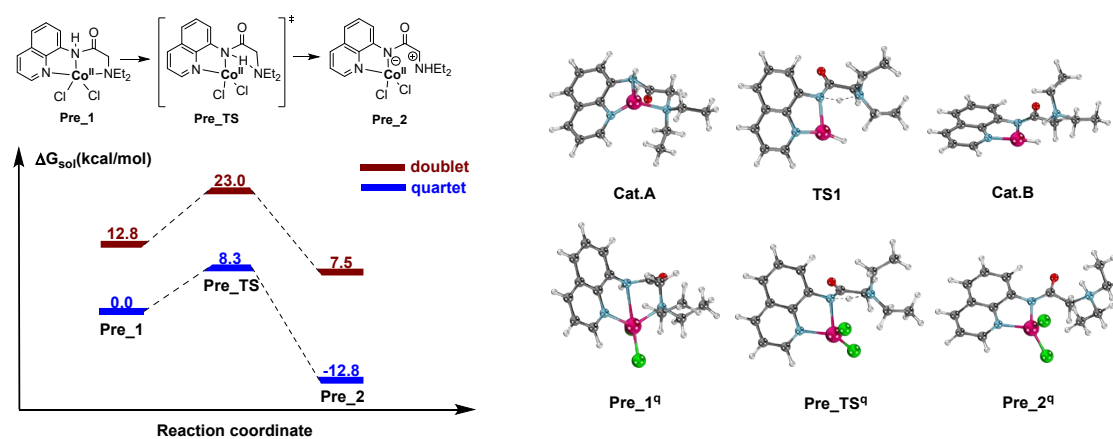


Figure S13. The NEt_2 arm dissociation of the Co(II) catalyst precursor.

We calculated the activation free energy of the NEt_2 arm dissociation for Co(II) catalyst precursor. The activation free energy barrier is 8.3 kcal/mol for quartet and 23.0 kcal/mol at doublet spin state, which is even lower compared with Co(I) species. The generation of **Pre_2** is found to be an exothermic reaction, which is consistent with the experimental observation. During the dissociation of NEt_2 arm, the amide group and quinoline group form a larger stable conjugation system, providing a strong driving force for the dissociation of NEt_2 arm, which is more likely the origin of the NEt_2 arm hemilability.

12. The generation of H₂ from MeOH and BH₃NH₃

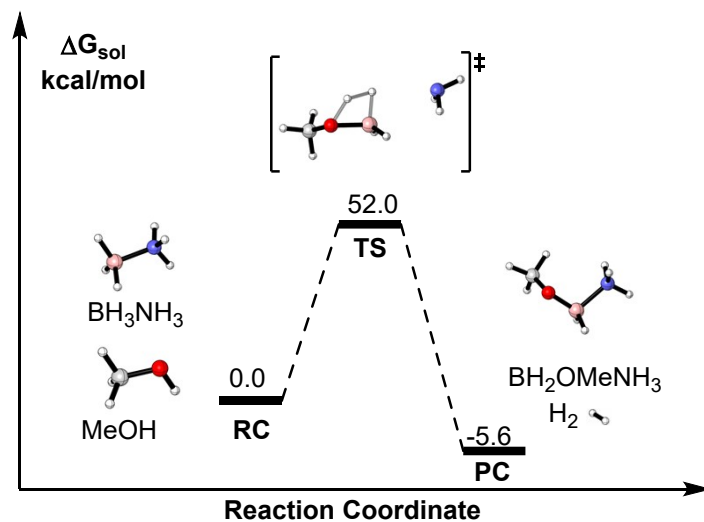


Figure S14. The free energy diagram of the H₂ generation from MeOH and BH₃NH₃.

We have calculated the formation of H₂ from MeOH and BH₃NH₃. The calculated results indicate the activation free energy barrier is 52.0 kcal/mol. Therefore, the activation of H₂ is less likely to happen considering the reaction takes place under room temperature. According to the relevant paper by Jiao and Beweries et al. (*J. Am. Chem. Soc.*, **2016**, 138, 27, 8588–8594; *Inorg. Chem. Front.*, **2022**, 9, 761–770), the formation of B(OMe)₃ is detected as a stable by-product. Therefore, the direct cleavage of the B-N bond of BH₃NH₃ is feasible experimentally.

13. The DFT calculated energies of all optimized structures.

Table S3. The DFT calculated energies of all optimized structures

Species	Hc hartree	Gc hartree	H(gas) hartree	G(gas) hartree	Esp + G _{SOL} hartree	Final G hartree	<i>i</i> (cm ⁻¹)
MeOH	0.055685	0.028759	-115.557604	-115.58453	-115.7557787	-115.7239919	
1,2-stilbene	0.227102	0.176977	-540.017941	-540.068066	-540.8207519	-540.6407471	
diphenylethyne	0.203682	0.153151	-538.800517	-538.851048	-539.5818257	-539.4256468	
BH ₃ NH ₃	0.074707	0.047556	-83.066355	-83.093505	-83.25832412	-83.20774028	
NH ₃	0.03844	0.016591	-56.46404	-56.485889	-56.57560129	-56.55598245	
BH ₂ OMe	0.068749	0.038298	-141.010141	-141.040592	-141.2423065	-141.2009806	
BH ₂ OMeNH ₃	0.111093	0.074958	-197.49449	-197.530625	-197.850675	-197.7726891	
H ₂	0.013339	-0.001482	-1.2	-1.2	-1.171247908	-1.169702068	
(<i>E</i>)-stilbene	0.227105	0.176149	-540.02521	-540.076166	-540.8290602	-540.6498834	
plausible active species							
Cat.A	0.347516	0.278064	-2204.643707	-2204.71316	-2206.097914	-2205.816822	
TS1	0.344495	0.275853	-2204.614397	-2204.683039	-2206.075941	-2205.79706	-1176.54
TS2	0.402344	0.326544	-2320.195576	-2320.271377	-2321.83948	-2321.509909	-724.25
Cat.B	0.348507	0.279393	-2204.636717	-2204.70583	-2206.096738	-2205.814318	
TS3	0.344382	0.276207	-2204.627432	-2204.695607	-2206.084547	-2205.805312	-1309.93
TS4	0.399433	0.321282	-2320.201305	-2320.279456	-2321.841762	-2321.517452	-1102.77
IM2	0.348214	0.278661	-2204.633197	-2204.70275	-2206.087647	-2205.805958	
Cat.C	0.347344	0.27847	-2204.626626	-2204.695501	-2206.075542	-2205.794044	
IM1	0.553645	0.452466	-2743.489611	-2743.59079	-2745.709894	-2745.2544	
TS5	0.549557	0.450458	-2743.470381	-2743.569479	-2745.690756	-2745.23727	-1205.87
TS6	0.606671	0.504413	-2859.04951	-2859.151768	-2861.451564	-2860.944123	-1020.51
IM3	0.554077	0.45421	-2743.495983	-2743.595851	-2745.712177	-2745.254939	
TS7	0.550072	0.450792	-2743.486378	-2743.585658	-2745.701236	-2745.247416	-1221.67
TS8	0.605123	0.498856	-2859.060499	-2859.166766	-2861.457158	-2860.955275	-974.33
IM4	0.553884	0.453544	-2743.490316	-2743.590655	-2745.70414	-2745.247569	
TS23	0.400153	0.325726	-2320.199233	-2320.27366	-2321.823643	-2321.494889	-1329.79
TS24	0.34237	0.273767	-2204.578885	-2204.647488	-2206.024197	-2205.747402	-1773.30
TS30	0.604482	0.496782	-2859.030742	-2859.138443	-2861.430754	-2860.930945	-1328.45
TS31	0.548501	0.446809	-2743.418666	-2743.520358	-2745.633354	-2745.183517	-1746.46
N-H moiety							
IM5	0.554305	0.456782	-2743.489587	-2743.58711	-2745.700492	-2745.240682	
TS9	0.553213	0.456121	-2743.47676	-2743.573851	-2745.687008	-2745.227859	-768.83
TS10	0.553636	0.457719	-2743.482892	-2743.57881	-2745.688059	-2745.227312	-630.67
IM6	0.55785	0.460585	-2743.513421	-2743.610686	-2745.727768	-2745.264156	
TS11	0.553	0.456455	-2743.499065	-2743.595609	-2745.704284	-2745.244801	-1096.19
TS12	0.609112	0.502911	-2859.079022	-2859.185223	-2861.473633	-2860.967694	-1523.96
IM7	0.558872	0.463229	-2743.577846	-2743.67349	-2745.788964	-2745.322707	
IM8	0.386786	0.309705	-2319.088839	-2319.16592	-2320.710189	-2320.397456	

Species	Hc hartree	Gc hartree	H(gas) hartree	G(gas) hartree	Esp + G _{SOL} hartree	Final G hartree	<i>i</i> (cm ⁻¹)
TS13	0.60955	0.505327	-2859.082668	-2859.186891	-2861.474259	-2860.965904	-1426.64
TS14	0.437759	0.353119	-2434.663341	-2434.747981	-2436.457562	-2436.101416	-942.80
TS15	0.38128	0.306521	-2319.077444	-2319.152203	-2320.68336	-2320.373812	-1342.78
IM9	0.38594	0.308598	-2319.079036	-2319.156377	-2320.690761	-2320.379135	
IM10	0.421273	0.341959	-2345.703698	-2345.783012	-2347.37892	-2347.033933	
TS16	0.417537	0.338886	-2345.677912	-2345.756563	-2347.348007	-2347.006093	-393.88
NEt₂ moiety							
TS17	0.553157	0.454147	-2743.477189	-2743.576199	-2745.69848	-2745.241305	-595.35
IM11	0.55841	0.460651	-2743.507862	-2743.605621	-2745.736647	-2745.272968	
TS18	0.552986	0.455016	-2743.509824	-2743.607794	-2745.730146	-2745.272102	-1122.61
TS19	0.610294	0.504886	-2859.074339	-2859.179748	-2861.480823	-2860.972909	-1211.21
TS20	0.383874	0.308388	-2319.074632	-2319.150118	-2320.694544	-2320.383128	-961.98
TS21	0.438296	0.353103	-2434.650459	-2434.735652	-2436.450589	-2436.094458	-1284.04
IM12	0.386831	0.309443	-2319.074987	-2319.152376	-2320.700143	-2320.387672	
IM13	0.422592	0.341462	-2345.69122	-2345.77235	-2347.377613	-2347.033123	
TS22	0.418486	0.339135	-2345.687659	-2345.767009	-2347.365483	-2347.02332	-282.59
O-site							
TS25	0.551823	0.45199	-2743.465984	-2743.565818	-2745.676275	-2745.221257	-647.16
IM14	0.561112	0.462438	-2743.488205	-2743.586879	-2745.712484	-2745.247018	
TS26	0.606396	0.499802	-2859.065996	-2859.17259	-2861.464289	-2860.961459	-1261.75
TS27	0.554178	0.457424	-2743.463887	-2743.560641	-2745.684572	-2745.22412	-162.24
IM15	0.558357	0.462934	-2743.55377	-2743.649194	-2745.768023	-2745.302062	
IM16	0.386636	0.311474	-2319.07362	-2319.148782	-2320.687105	-2320.372603	
TS28	0.381722	0.307179	-2319.068811	-2319.143355	-2320.671034	-2320.360827	-552.87
TS29	0.437984	0.355364	-2434.653565	-2434.736185	-2436.441506	-2436.083115	-878.78
IM17	0.420712	0.340798	-2345.691428	-2345.771342	-2347.36285	-2347.019024	
IM18	0.577683	0.479723	-2744.685555	-2744.783515	-2746.944159	-2746.461408	
TS32	0.577178	0.48001	-2744.656256	-2744.753425	-2746.919331	-2746.436293	-820.08
IM19	0.582757	0.486728	-2744.693848	-2744.789878	-2746.947765	-2746.458009	
TS33	0.577176	0.480658	-2744.671026	-2744.767544	-2746.921572	-2746.437886	-843.08
IM20	0.578103	0.480372	-2744.700158	-2744.797889	-2746.950176	-2746.466776	
plausible active species-singlet							
Cat.A ^S	0.349385	0.283013	-2204.60686	-2204.673233	-2206.054818	-2205.768778	
TS1 ^S	0.344128	0.275967	-2204.565225	-2204.633387	-2206.025506	-2205.746511	-937.68
Cat.B ^S	0.348825	0.282315	-2204.594747	-2204.661256	-2206.059185	-2205.773842	
TS3 ^S	0.345391	0.278066	-2204.580691	-2204.648015	-2206.042305	-2205.761211	-1340.81
TS4 ^S	0.400342	0.325307	-2320.155535	-2320.23057	-2321.798344	-2321.470009	-1095.23
IM2 ^S	0.349003	0.281415	-2204.586096	-2204.653683	-2206.04381	-2205.759367	
Cat.C ^S	0.348308	0.282657	-2204.582023	-2204.647675	-2206.028442	-2205.742757	
IM1 ^S	0.554329	0.455934	-2743.481376	-2743.579771	-2745.695315	-2745.236353	
TS5 ^S	0.551259	0.458375	-2743.469615	-2743.5625	-2745.682905	-2745.221502	-1002.39
IM3 ^S	0.555808	0.458894	-2743.487133	-2743.584047	-2745.713415	-2745.251493	
TS7 ^S	0.551325	0.454996	-2743.484377	-2743.580706	-2745.698114	-2745.24009	-1221.14
TS8 ^S	0.60639	0.502518	-2859.055518	-2859.159389	-2861.452494	-2860.946948	-992.20

Species	Hc hartree	Gc hartree	H(gas) hartree	G(gas) hartree	Esp + G _{SOL} hartree	Final G hartree	<i>i</i> (cm ⁻¹)
IM4 ^S	0.555069	0.457813	-2743.487983	-2743.585239	-2745.699225	-2745.238384	
TS23 ^S	0.399338	0.32729	-2320.150688	-2320.222737	-2321.777158	-2321.44684	-1345.73
TS24 ^S	0.342518	0.278252	-2204.543978	-2204.608244	-2205.984841	-2205.703561	-1724.16
TS30 ^S	0.607102	0.504413	-2859.040405	-2859.143094	-2861.434769	-2860.927328	-1408.10
TS31 ^S	0.548349	0.452012	-2743.411	-2743.507337	-2745.610949	-2745.155909	-1657.76
N-H moiety-singlet							
IM5 ^S	0.555376	0.460131	-2743.486	-2743.58108	-2745.696388	-2745.23323	
TS9 ^S	0.552777	0.455709	-2743.47	-2743.567163	-2745.682463	-2745.223726	-259.21
TS10 ^S	0.553991	0.46127	-2743.468	-2743.56098	-2745.676627	-2745.212329	-704.97
IM6 ^S	0.557419	0.464236	-2743.498	-2743.590712	-2745.704478	-2745.237214	
TS11 ^S	0.552239	0.460442	-2743.479	-2743.570645	-2745.676921	-2745.213451	-985.56
TS12 ^S	0.608165	0.505372	-2859.038	-2859.141137	-2861.431842	-2860.923442	-1215.28
TS13 ^S	0.610151	0.510999	-2859.044	-2859.143312	-2861.43515	-2860.921123	-1473.92
IM7 ^S	0.558976	0.46859	-2743.57	-2743.660693	-2745.780396	-2745.308778	
IM8 ^S	0.387654	0.314452	-2319.08	-2319.152969	-2320.70281	-2320.38533	
TS15 ^S	0.379451	0.308213	-2319.026	-2319.097649	-2320.620683	-2320.309442	-1349.654
IM9 ^S	0.386494	0.313718	-2319.039	-2319.111311	-2320.647999	-2320.331253	
IM10 ^S	0.422367	0.346935	-2345.671	-2345.746007	-2347.342505	-2346.992542	
TS16 ^S	0.417637	0.342836	-2345.648	-2345.722324	-2347.311111	-2346.965247	-364.43
NEt₂ moiety-singlet							
TS17 ^S	0.555079	0.461748	-2743.478	-2743.570925	-2745.700384	-2745.235608	-766.89
IM11 ^S	0.558557	0.462176	-2743.495	-2743.591149	-2745.716035	-2745.250831	
TS18 ^S	0.552947	0.460029	-2743.496	-2743.589314	-2745.705651	-2745.242595	-1147.29
TS19 ^S	0.610029	0.507615	-2859.044	-2859.146465	-2861.451899	-2860.941256	-1430.81
TS20 ^S	0.382953	0.309411	-2319.038	-2319.111774	-2320.659734	-2320.347295	-1094.59
TS21 ^S	0.438915	0.356816	-2434.611	-2434.693336	-2436.411262	-2436.051418	-1216.69
IM12 ^S	0.387472	0.312673	-2319.036	-2319.110481	-2320.663367	-2320.347666	
IM13 ^S	0.423425	0.348941	-2345.685	-2345.759678	-2347.36777	-2347.015802	
TS22 ^S	0.420059	0.344961	-2345.656	-2345.7309	-2347.332504	-2346.984515	-274.90
O-site-singlet							
TS25 ^S	0.553292	0.457549	-2743.462159	-2743.557903	-2745.673589	-2745.213012	-556.63
IM14 ^S	0.557434	0.460918	-2743.47167	-2743.568186	-2745.685415	-2745.221469	
TS26 ^S	0.607356	0.504412	-2859.032785	-2859.135728	-2861.430525	-2860.923085	-1017.13
TS27 ^S	0.551437	0.455782	-2743.419137	-2743.514793	-2745.631006	-2745.172196	-1759.62
IM15 ^S	0.558534	0.469188	-2743.543576	-2743.632923	-2745.748189	-2745.275973	
IM16 ^S	0.384817	0.314355	-2319.024288	-2319.09475	-2320.62872	-2320.311337	
TS28 ^S	0.3805	0.310517	-2319.021792	-2319.091775	-2320.619384	-2320.30584	-950.50
IM17 ^S	0.421556	0.345542	-2345.683399	-2345.759414	-2347.355095	-2347.006525	
IM18 ^S	0.579246	0.486162	-2744.68435	-2744.777434	-2746.935529	-2746.446339	
TS32 ^S	0.577717	0.482506	-2744.656965	-2744.752176	-2746.910772	-2746.425238	-598.68
IM19 ^S	0.580394	0.48524	-2744.664479	-2744.759632	-2746.920798	-2746.43253	
TS33 ^S	0.578198	0.483837	-2744.666552	-2744.760913	-2746.919105	-2746.43224	-410.39
IM20 ^S	0.579632	0.486629	-2744.685175	-2744.778178	-2746.932802	-2746.443146	
Species	Hc	Gc	H(gas)	G(gas)	Esp + G _{SOL}	Final G	<i>i</i> (cm ⁻¹)

	hartree	hartree	hartree	hartree	hartree	hartree	
SI							
Pre_1 ^q	0.349572	0.272624	-3124.328665	-3124.405612	-3126.072234	-3125.79961	
Pre_TS ^q	0.345207	0.268362	-3124.312394	-3124.389239	-3126.054794	-3125.786432	-999.09
Pre_2 ^q	0.35044	0.271312	-3124.333475	-3124.412603	-3126.091415	-3125.820103	
Pre_1 ^d	0.349542	0.275423	-3124.30607	-3124.380189	-3126.054614	-3125.779191	
Pre_TS ^d	0.344862	0.269923	-3124.286852	-3124.361792	-3126.032949	-3125.763026	-903.65
Pre_2 ^d	0.351073	0.276404	-3124.31609	-3124.390759	-3126.063993	-3125.787589	
Pre_3	0.351675	0.279514	-2204.457325	-2204.529486	-2205.989586	-2205.710072	
Pre_4 ^q	0.705465	0.590805	-4408.913619	-4409.028278	-4412.005241	-4411.414436	
Pre_TS2 ^q	0.70614	0.593985	-4408.912152	-4409.024307	-4412.000944	-4411.406959	-417.62
Pre_5 ^q	0.69061	0.575132	-4407.718025	-4407.833503	-4410.818331	-4410.243199	
Pre_4 ^s	0.70678	0.595625	-4408.911215	-4409.022371	-4412.007458	-4411.411833	
Pre_TS2 ^s	0.704796	0.594236	-4408.885047	-4408.995608	-4411.978163	-4411.383927	-664.49
Pre_5 ^s	0.691004	0.574267	-4407.723568	-4407.840305	-4410.813648	-4410.239381	
TS	0.125904	0.082353	-198.5729	-198.616452	-198.9427422	-198.8603892	-1497.9

- The H_C and G_C designate the thermal correction of Enthalpy and Gibbs Free Energy at the M06-L/def2-SVP level.
- The $H(\text{gas})$ and $G(\text{gas})$ designate Enthalpy and Gibbs Free Energy in the gas phase at the M06-L/def2-SVP level.
- The $E_{SP} + G_{SOL}$ designates the sum of single point energy at the M06-L/def2-TZVP level and the solvation free energy calculated by SMD continuum solvent mode.
- The **Final G** designates the sum of $E_{SP} + G_{SOL}$ and G_C .
- The i designates the imaginary frequency of transition states.

14.	The	Cartesian	coordinates	(xyz)	for	all	optimized	structures			
	BH ₂ OMe										
						C	0.00000000	0.61057000	0.00000100		
						C	0.00000000	-0.61057000	0.00000100		
B	1.28955100	0.21288400	0.00006000	MeOH		C	0.00000000	2.03457500	0.00000000		
H	1.27362700	1.42182700	-0.00037000			C	-0.85718800	2.75321100	0.85585300		
H	2.30515300	-0.42635700	0.00038900	C	-0.64930300	-0.01952100	0.00000000	C	0.85718800	2.75321000	-0.85585300
O	0.14126500	-0.47543400	-0.00010800	H	-1.04052500	-0.54301500	0.89217500	C	-0.85371700	4.14396000	0.85240000
C	-1.12355600	0.14245800	0.00004800	H	-1.04052600	-0.54300600	-0.89217900	H	-1.52454500	2.20294200	1.52218600
H	-1.68505200	-0.17525900	0.88897100	H	-1.08655600	0.98731900	0.00000500	C	0.85371800	4.14395900	-0.85240100
H	-1.04463500	1.24074200	-0.00071700	O	0.74189000	0.12189800	0.00000000	H	1.52454600	2.20294000	-1.52218300
H	-1.68563800	-0.17665200	-0.88799900	H	1.12830200	-0.75935400	0.00000000	C	0.00000000	4.84483400	-0.00000100
								H	-1.52460500	4.68673500	1.52226100
								H	1.52460500	4.68673400	-1.52226200
	BH ₃ NH ₃			NH ₃				H	0.00000100	5.93708200	-0.00000100
								C	0.00000000	-2.03457500	0.00000000
H	0.94290400	0.70585000	-1.23809300	N	0.00000000	0.00000000	0.12586800	C	0.85718800	-2.75321100	0.85585300
H	-1.08273600	0.46365400	-1.23809300	H	0.00000000	0.92936500	-0.29369200	C	-0.85718800	-2.75321000	-0.85585300
H	0.13983200	-1.16950300	-1.23809300	H	-0.80485400	-0.46468300	-0.29369200	C	0.85371700	-4.14396000	0.85240000
H	-0.11196000	0.93981000	1.09972100	H	0.80485400	-0.46468300	-0.29369200	H	1.52454500	-2.20294200	1.52218600
H	-0.75791900	-0.56686500	1.09972100					C	-0.85371800	-4.14395900	-0.85240100
H	0.86987900	-0.37294500	1.09972100					H	-1.52454600	-2.20294000	-1.52218300
B	0.00000000	0.00000000	-0.92549000	1,2-diphenylethyne				C	0.00000000	-4.84483400	-0.00000100
N	0.00000000	0.00000000	0.72036700					H	1.52460500	-4.68673500	1.52226100

H	-1.52460500	-4.68673400	-1.52226200	C	2.29766100	-1.44629000	-0.89105600	1	-0.32886200	3.02973800	-0.06986000
H	-0.00000100	-5.93708200	-0.00000100	H	0.41099200	-0.51590200	-1.34983400	6	-1.88253300	0.10176500	-0.10713000
				C	3.52258300	-1.33272000	-0.22985200	6	0.60004700	-1.73079500	0.64309500
				H	4.76681200	-0.07035300	1.00477300	6	2.07708000	-1.60528100	0.30815900
1,2-stilbene				H	2.07614100	-2.33908900	-1.48078100	1	2.66304700	-2.04719700	1.13339000
				H	4.25767100	-2.13841600	-0.29127900	1	2.32483800	-2.14416100	-0.61988700
C	-0.67565400	1.86019400	-0.00390300					6	2.32216300	0.58295400	1.35874900
C	0.67564100	1.86019300	0.00388000					1	3.09050500	0.21750300	2.06918600
H	1.15233600	2.84642500	0.05347800	Cat.A				1	1.35350500	0.36348900	1.82985400
H	-1.15233300	2.84643300	-0.05350300	27	0.72791300	0.42952900	-1.21026800	6	2.45846400	2.06659500	1.12179200
C	-1.61982600	0.74190800	0.07055200	7	-0.23705200	-1.65120800	-0.45642700	1	3.48158600	2.37089500	0.86056100
C	-2.87036200	0.85258900	-0.56245900	7	-0.85045700	1.02186800	-0.21047500	1	2.16445200	2.63432800	2.01349000
C	-1.35869700	-0.42387100	0.81412000	7	2.37458700	-0.17941200	0.09758800	1	1.79654000	2.37142400	0.29455000
C	-3.80645700	-0.17599100	-0.49454400	6	-1.60072700	-1.27649400	-0.28330000	6	3.62492600	0.01467300	-0.66261700
H	-3.10173200	1.76255000	-1.12350200	6	-2.60584000	-2.22943800	-0.21646700	1	3.66838900	1.07325700	-0.96015800
C	-2.29762200	-1.44630700	0.89103100	1	-2.34466900	-3.28212300	-0.33701100	1	3.49732900	-0.53300500	-1.60878000
H	-0.41094500	-0.51590900	1.34975600	6	-3.92993900	-1.83549000	0.02331800	6	4.89512700	-0.39864300	0.04817200
C	-3.52256600	-1.33274300	0.22986700	1	-4.71880400	-2.58904400	0.06885400	1	5.08708000	0.19948900	0.95063700
H	-4.76684800	-0.07037100	-1.00469900	6	-4.23298300	-0.50082900	0.21820800	1	5.75982600	-0.26548100	-0.61485700
H	-2.07607100	-2.33911500	1.48073300	1	-5.26215200	-0.19044700	0.41576500	1	4.87911800	-1.45686500	0.34713100
H	-4.25764100	-2.13845000	0.29130100	6	-3.22938300	0.49612100	0.16677900	8	0.18706000	-1.78105500	1.78094700
C	1.61981000	0.74190100	-0.07055900	6	-3.49513700	1.87476500	0.36823800	1	0.17111400	-1.66390100	-1.40099000
C	2.87032500	0.85258900	0.56249300	1	-4.51459100	2.20305300	0.58080300	1	1.28317800	0.23148500	-2.71775800
C	1.35872100	-0.42386600	-0.81415700	6	-2.44295700	2.77590800	0.29454200				
C	3.80643700	-0.17597700	0.49458800	1	-2.60333100	3.84376800	0.45398000				
H	3.10166300	1.76254300	1.12355900	6	-1.15960300	2.32188700	0.00612400	Cat.B			

27	-0.04106900	-1.62794800	0.30904400	1	-4.26140100	-1.62993400	-1.12228200	6	-3.83253600	-0.49402400	1.16557800
7	-0.08027300	0.43928100	0.49120600	6	-5.19557600	-0.60998300	0.54536200	1	-4.78717900	-0.15168100	1.57161000
1	-1.97891300	-1.16014800	-0.29652400	1	-4.99812100	-0.35029900	1.59309600	6	-3.06788900	0.39009200	0.36988600
7	1.85200000	-1.28817400	0.02573500	1	-6.03141800	-1.32114400	0.54766300	6	-3.45459600	1.72078400	0.06320800
7	-2.78972900	-0.41254100	-0.28618500	1	-5.54143700	0.29576800	0.03105900	1	-4.39940300	2.10994100	0.44964300
6	1.17882800	0.99490000	0.28915800	6	-2.69471100	0.35793300	-1.55735700	6	-2.62701000	2.50053200	-0.72370900
6	1.53319300	2.34862200	0.30696100	1	-2.95966100	-0.34608800	-2.35966000	1	-2.89711200	3.52681700	-0.97910000
1	0.76307500	3.09006000	0.50336400	1	-1.62451700	0.58425300	-1.67904800	6	-1.42199500	1.97255500	-1.20311800
6	2.86238100	2.74506800	0.07725300	6	-3.52093300	1.61708400	-1.60799300	1	-0.75499900	2.57610000	-1.82676800
1	3.09904900	3.81227400	0.09817400	1	-4.60029700	1.42211500	-1.55310900	6	-1.82545400	-0.06875200	-0.16051500
6	3.86647500	1.83023000	-0.16946800	1	-3.33579500	2.13020200	-2.56005600	6	1.00626100	-1.61107600	-0.03966800
1	4.89564000	2.15165600	-0.34670900	1	-3.23722600	2.31472000	-0.80803000	6	1.35931800	-0.59947100	1.01915000
6	3.56155200	0.44925200	-0.19336300	1	-1.39741800	-2.52007900	0.19670600	1	2.05014200	-1.01356700	1.77663900
6	4.52783900	-0.56135500	-0.43333700	8	-1.27054300	2.42653100	0.82840800	1	0.44144700	-0.29404400	1.54299800
1	5.56771200	-0.27654600	-0.61135600					6	3.29968700	0.44133600	-0.13234100
6	4.13882600	-1.88722700	-0.43528000					1	3.31372400	-0.17379600	-1.04702600
1	4.85844200	-2.68822600	-0.61461300	Cat.C				1	3.60547100	1.44935600	-0.45340400
6	2.79705300	-2.20975800	-0.20296900	27	0.67337300	-0.12086500	-1.53330700	6	4.27939900	-0.12646700	0.87434400
1	2.46367100	-3.25227800	-0.20211500	7	-0.19848200	-1.84644400	-0.51047800	1	4.10126000	-1.19596900	1.05233700
6	2.21598400	0.03873300	0.03561000	7	-1.01402500	0.72439700	-0.93650600	1	5.30003600	-0.04359300	0.47730400
6	-1.16305700	1.20213200	0.74183500	7	1.88851600	0.56281600	0.29384300	1	4.26299100	0.38694700	1.84584700
6	-2.44116700	0.37070900	0.92832500	6	-1.36761400	-1.38923300	0.09962900	6	1.52850900	1.85427700	0.87966700
1	-2.31477200	-0.37568000	1.73008900	6	-2.15449400	-2.22759900	0.88599000	1	1.71216400	2.62224900	0.10931300
1	-3.26506000	1.04721400	1.18309600	1	-1.81089400	-3.24691200	1.07237100	1	0.43680100	1.84576900	1.03177000
6	-4.00742500	-1.25679500	-0.11983000	6	-3.37404200	-1.77475200	1.41557000	6	2.22727900	2.23292300	2.17009200
1	-3.65790600	-2.13272600	0.45407800	1	-3.96968600	-2.45344600	2.03068900	1	3.30510900	2.39210600	2.02714000

1	1.81360400	3.16868600	2.57038300	6	2.78798800	-0.94421900	0.74871500	6	-4.88025900	1.25413700	1.66569300
1	2.10081300	1.46325300	2.94629200	6	0.00006200	-1.66638400	-1.37759800	6	-4.73767600	2.44773200	-0.42834200
1	1.71870800	-0.49894200	-2.71984000	6	-1.50349400	-1.75107000	-1.19068300	6	-5.50556500	1.93125000	0.61723400
8	2.04022400	-2.41378500	-0.36860800	1	-1.83812800	-0.74041000	-0.89710500	6	0.65402800	2.66887900	-0.71879500
1	1.77314100	-2.90778400	-1.16064000	1	-1.93897600	-1.93884100	-2.19306900	6	0.34432700	4.04132200	-0.80984400
				6	-3.08246000	-2.34383300	0.58987200	6	1.76732300	2.18629500	-1.43460900
				1	-2.82593100	-1.49355900	1.24670000	6	1.12328000	4.89453000	-1.58465000
IM1				1	-3.28878900	-3.19027100	1.26487900	6	2.52958700	3.04082200	-2.22422400
27	0.06547900	0.25938900	1.25519900	6	-4.32247700	-1.99235800	-0.21526700	6	2.21647700	4.39905100	-2.29791900
7	0.69105000	-1.77135800	-0.17885100	1	-4.16317600	-1.09253400	-0.82909800	1	-2.99271700	0.54183000	2.46963800
7	2.08354200	0.00791300	1.43254700	1	-5.16267900	-1.76359400	0.45566100	1	-2.75023000	2.69935100	-1.24032400
7	-1.88160500	-2.68236400	-0.16180900	1	-4.64521300	-2.79936100	-0.88827300	1	-5.47730900	0.84881500	2.48667100
6	2.09039300	-1.83897400	-0.11089000	6	-1.68448900	-4.07851300	-0.50916200	1	-5.22188400	2.97684900	-1.25288900
6	2.81071800	-2.72138800	-0.90043200	1	-1.67832400	-4.66285600	0.42699100	1	-6.59098700	2.05629400	0.61365300
1	2.26960700	-3.37484500	-1.58570700	1	-0.66039400	-4.17485800	-0.91519500	1	-0.51612600	4.42693500	-0.25660400
6	4.21354800	-2.78062300	-0.82393900	6	-2.67077400	-4.69870700	-1.48633500	1	2.00774900	1.12025200	-1.38093900
1	4.75155200	-3.49216600	-1.45352900	1	-3.67643500	-4.78458100	-1.05153100	1	0.87147900	5.95670500	-1.63907800
6	4.90683000	-1.96443100	0.04387100	1	-2.35451100	-5.71213600	-1.77078100	1	3.37831400	2.64369900	-2.78623700
1	5.99536300	-2.01779600	0.11735800	1	-2.75674600	-4.11297100	-2.41342600	1	2.82160200	5.07041100	-2.91158000
6	4.21311300	-1.02582500	0.84305400	1	-0.86940200	-0.72861600	2.11056800	1	0.10604700	-2.00798000	0.63695500
6	4.86590200	-0.12937700	1.72252500	8	0.54388600	-1.47598300	-2.44371400				
1	5.95279100	-0.17900300	1.82446400	6	-1.27755900	1.43745300	0.61322500				
6	4.12847100	0.80259800	2.41752300	6	-0.13472900	1.78188100	0.09769700	IM2			
1	4.60204500	1.51687200	3.09196000	6	-2.71294600	1.60567000	0.62444800	27	-0.41921700	-1.86225000	-0.38253600
6	2.73883700	0.85079700	2.22297000	6	-3.49931300	1.08469500	1.66648800	8	1.65296400	1.63918600	0.57604200
1	2.13454300	1.61805200	2.71663200	6	-3.35465600	2.29448000	-0.42406400	7	0.07409300	0.21882100	-0.37138300

7	-2.20442700	-1.10394600	-0.27930500	1	2.76668700	-1.96456700	2.84742400	6	4.32878300	1.09823400	2.59579400
7	3.62908100	0.01180300	0.18379000	1	1.72521700	-1.61760800	1.46636600	1	5.31151100	1.32851100	3.01610400
6	-1.06072500	0.98939400	-0.07904400	6	4.85467300	0.24592100	-0.57672600	6	3.17671500	1.56535400	3.19136800
6	-1.09744800	2.36994600	0.12270400	1	5.05879300	-0.59439300	-1.27313800	1	3.21165500	2.17446600	4.09608200
1	-0.17483200	2.94660200	0.10934600	1	5.68593000	0.23750600	0.14539000	6	1.93691800	1.25267100	2.60841000
6	-2.32278500	3.02174000	0.33196600	6	4.84757800	1.56156000	-1.31971600	1	1.00064400	1.61611500	3.04431000
1	-2.32642600	4.10329600	0.48634100	1	4.04125100	1.62174300	-2.06495700	6	2.94604300	0.03037200	0.91084300
6	-3.51475700	2.32231200	0.34493100	1	5.79039800	1.70896800	-1.86220300	6	1.10708600	-1.80958700	-1.64872200
1	-4.46364300	2.83798100	0.51161600	1	4.72326000	2.40906000	-0.63011200	6	-0.41194600	-2.00466300	-1.74827600
6	-3.52463600	0.92289300	0.13741500	1	0.77137800	-2.95589400	-0.38090900	1	-0.91776300	-1.03607000	-1.88949400
6	-4.70797600	0.14005200	0.11357700	1	2.62934400	1.48148100	0.71193600	1	-0.63873900	-2.65819500	-2.60060000
1	-5.67581700	0.62136800	0.27015700					6	-2.45963300	-2.61638200	-0.47024600
6	-4.60876200	-1.22301800	-0.11884300					1	-2.77811000	-1.59224900	-0.71780300
1	-5.49829000	-1.85460700	-0.15499400	IM3				1	-2.73894900	-2.76943700	0.58387600
6	-3.35507500	-1.80319600	-0.31074300	27	0.06138100	0.09903400	0.49786100	6	-3.11961100	-3.63071100	-1.36704300
1	-3.25502500	-2.87708700	-0.49466200	7	1.44702000	-0.99210800	-0.62995200	1	-2.80380200	-3.53645800	-2.41525100
6	-2.28179900	0.25604900	-0.07036700	7	1.82625900	0.51527300	1.51450200	1	-4.20608100	-3.47899900	-1.34313700
6	1.28966200	0.57091200	-0.11766200	7	-0.97238100	-2.58739200	-0.50032400	1	-2.93313200	-4.66309800	-1.04280900
6	2.45080300	-0.23490100	-0.64051300	6	2.76471800	-0.78010800	-0.26443900	6	-0.29777500	-3.84802400	-0.06403900
1	2.14826000	-1.29746700	-0.70848600	6	3.91667700	-1.26269300	-0.89432900	1	-0.92807400	-4.26791400	0.73393700
1	2.63712500	0.09985700	-1.67417400	1	3.80772800	-1.86894400	-1.78989200	1	0.63631400	-3.52215100	0.42025500
6	3.80082300	-1.02020100	1.21307600	6	5.19603900	-0.97391100	-0.38300700	6	-0.00609200	-4.85155700	-1.15286800
1	4.65389100	-0.71357200	1.84049500	1	6.06685700	-1.37392800	-0.90928400	1	-0.90661100	-5.20210500	-1.67249900
1	4.09269100	-1.98288600	0.74281600	6	5.38027200	-0.21016400	0.75051500	1	0.47253800	-5.73094000	-0.70342900
6	2.56786400	-1.22531300	2.06121800	1	6.37936100	0.00380800	1.13700800	1	0.69235700	-4.44739400	-1.89754600
1	2.24909700	-0.29417400	2.55252500	6	4.24946900	0.30924300	1.42377100	1	-0.45398300	-1.14610100	1.45444300

8	1.82590800	-2.41235900	-2.44695500						6	3.60095200	-2.91953100	-0.36616000
6	-1.70935200	0.85916700	0.50177600						1	4.39980200	-3.57183400	0.02287500
6	-0.91134000	1.57852300	-0.22751300	IM4					1	4.10024600	-2.18442600	-1.03294900
6	-3.04543600	0.58868100	0.97382400	8	0.65993000	-3.10074900	1.41333100		6	2.60333800	-3.73311100	-1.15748900
6	-3.27754600	-0.21864000	2.10337300	7	-0.48114900	-1.55880300	0.08771000		1	2.11133500	-4.49548700	-0.53628300
6	-4.16267000	1.10443900	0.28382300	7	-2.35033200	-0.21853500	-1.18722300		1	3.10797600	-4.25454300	-1.98086500
6	-4.57319600	-0.49252700	2.52973500	7	3.00702000	-2.22768300	0.78351200		1	1.82105300	-3.10655000	-1.61334400
6	-5.45688000	0.81523100	0.70514800	6	-1.77410600	-2.03345200	0.26578800		6	4.02335400	-1.53459100	1.57819700
6	-5.66966500	0.01754500	1.83127400	6	-2.19146200	-3.11815100	1.03557700		1	4.43992800	-0.67410900	1.01305000
6	-0.65205000	2.75166400	-1.02321300	1	-1.45626900	-3.71193500	1.57324000		1	4.85889600	-2.23965500	1.71257700
6	-1.57947700	3.81166100	-1.09284300	6	-3.55583400	-3.45087000	1.13206900		6	3.51954700	-1.08261400	2.92825000
6	0.55167800	2.87031500	-1.74463300	1	-3.84465400	-4.30842000	1.74419600		1	2.72809300	-0.32330900	2.85163800
6	-1.31036200	4.94070700	-1.85885600	6	-4.52521400	-2.71564700	0.48369200		1	4.33204200	-0.62974900	3.51097900
6	0.81209000	3.99668300	-2.51791800	1	-5.58299000	-2.97308300	0.57441300		1	3.11880600	-1.92526400	3.51082400
6	-0.11699400	5.03653200	-2.57808800	6	-4.15216900	-1.60425700	-0.30880100		1	1.64780500	-3.18921000	1.55572200
1	-2.40951900	-0.62929200	2.62702100	6	-5.08417300	-0.78237900	-0.98915700		27	-0.33166400	0.14187400	-1.29557700
1	-3.99779200	1.72506100	-0.60119500	1	-6.15089800	-1.00703200	-0.91139700		1	0.70330100	-0.61748700	-2.28103800
1	-4.73237700	-1.11299200	3.41556000	6	-4.63459000	0.28950200	-1.72833000		6	0.92304300	1.52046500	-0.82332600
1	-6.30897100	1.21795300	0.15161000	1	-5.32702400	0.94727200	-2.25547000		6	-0.22496900	1.81863400	-0.30120000
1	-6.68646200	-0.20381400	2.16401900	6	-3.25334900	0.53510900	-1.80231900		6	2.34841400	1.75556500	-0.84335000
1	-2.51014100	3.74007800	-0.52411900	1	-2.86535800	1.38111100	-2.37782600		6	3.19293600	1.08832100	-1.74912000
1	1.27893700	2.05460200	-1.68560700	6	-2.77027300	-1.27380900	-0.42990200		6	2.93515100	2.62454000	0.09983900
1	-2.03785800	5.75542000	-1.89728100	6	0.58810800	-2.04066000	0.62380300		6	4.56970700	1.28935200	-1.71989400
1	1.74941500	4.06746700	-3.07480700	6	1.90500000	-1.36482800	0.37502300		6	4.31360300	2.81284000	0.13381600
1	0.08947400	5.92336600	-3.18178800	1	1.93305900	-1.05157500	-0.68567100		6	5.13817100	2.14871200	-0.77716500
1	-0.71805500	-1.86056600	0.30439900	1	1.91122900	-0.41898900	0.93955200		6	-1.06581400	2.69881900	0.46216300

6	-0.86194600	4.09595000	0.44616700	6	-4.68388000	1.76329400	-0.77123400	6	-0.57535500	-3.99580300	2.48619300
6	-2.13677200	2.19674900	1.23049200	1	-5.44833900	2.53693400	-0.67585400	1	-0.78994400	-5.01489100	2.13692800
6	-1.69214700	4.94598600	1.16853900	6	-4.67204600	0.93072600	-1.86930300	1	-1.51494400	-3.59621600	2.89056100
6	-2.95195800	3.05056300	1.96600300	1	-5.42822300	1.02937400	-2.65193900	1	0.14856300	-4.07886900	3.30774600
6	-2.73887800	4.42989800	1.93596500	6	-3.67980400	-0.07058000	-2.00871900	1	1.02493400	-1.89220900	-1.05567300
1	2.72828800	0.40389900	-2.46651800	6	-3.63348500	-0.95662700	-3.11198300	6	1.88113400	0.29878200	-0.72542300
1	2.28893300	3.14234600	0.81425200	1	-4.39974400	-0.88911500	-3.88786700	6	1.03344300	1.11096200	-0.16895600
1	5.20901000	0.76805600	-2.43764000	6	-2.62623000	-1.89578200	-3.17529900	6	3.21733400	0.16245100	-1.26118600
1	4.75015500	3.48640500	0.87591700	1	-2.56807800	-2.61227600	-3.99599300	6	3.71470500	-1.06352000	-1.73252600
1	6.21986700	2.30136600	-0.75202000	6	-1.63823500	-1.91380300	-2.18015800	6	4.06287100	1.29031800	-1.30482500
1	-0.04223800	4.50190500	-0.15259800	1	-0.79550200	-2.60852800	-2.23457100	6	5.01221400	-1.16157800	-2.22598100
1	-2.30699400	1.11637800	1.24759000	6	-2.67061700	-0.19911200	-1.00523200	6	5.35771800	1.18857800	-1.80097700
1	-1.51873100	6.02485000	1.13755400	6	-1.78123700	-0.79666600	1.86488000	6	5.83950600	-0.03841500	-2.26265300
1	-3.76761800	2.63664000	2.56439100	6	-0.46467500	-1.05687100	2.56778500	6	0.75285300	2.37855900	0.45266600
1	-3.38635100	5.10035500	2.50576400	1	0.04776900	-0.11507900	2.82154400	6	-0.35523500	3.15653400	0.05110500
				1	-0.64981200	-1.60397500	3.50967400	6	1.52765900	2.84739300	1.53702200
				6	1.81417400	-1.69603100	1.94755200	6	-0.66418500	4.35065000	0.69557400
				1	2.05569500	-0.62183100	2.00887700	6	1.20329200	4.03538400	2.18509200
				1	2.35910300	-2.06422900	1.06347200	6	0.10774400	4.79543200	1.77013000
				6	2.28342300	-2.40459900	3.20179200	1	3.04635600	-1.92901700	-1.70076100
				1	1.70840000	-2.10924000	4.09248500	1	3.68277900	2.25086000	-0.94647600
				1	3.33479000	-2.15515700	3.39979300	1	5.38289300	-2.12362600	-2.58880900
				1	2.22706900	-3.49791100	3.11118200	1	5.99838100	2.07358800	-1.82956700
				6	-0.08251900	-3.16101300	1.32066800	1	6.85754100	-0.11701600	-2.65167500
				1	0.75484500	-3.64800900	0.79876000	1	-0.96611800	2.80926800	-0.78742800
				1	-0.88931700	-3.08784200	0.57443800	1	2.39184100	2.26013600	1.86075400

IM5

1	-1.52101300	4.93902000	0.35655400	6	1.95975000	1.30242200	1.55279200	1	-0.39993500	-2.09521300	-1.54567800
1	1.81800000	4.37645600	3.02210400	6	0.93106200	2.41617700	1.63644600	6	-1.22227800	-2.66391700	2.19977500
1	-0.14086800	5.72845700	2.28031400	1	-0.00447600	2.07032600	2.10410700	1	-2.10276500	-0.68932100	2.15718500
8	-2.66840700	-1.62274100	1.79613000	1	1.32949400	3.24984000	2.24108900	6	-0.58442700	-3.67267700	1.47390500
				6	-0.67283800	3.47595400	0.11141300	1	0.19653300	-4.23604500	-0.46068300
				1	-1.42564400	2.80444900	0.55425300	1	-1.45759300	-2.81849800	3.25692000
IM6				1	-0.90580000	3.50010300	-0.96580700	1	-0.30506900	-4.61188100	1.95651200
7	1.39724700	0.03153500	1.41201600	6	-0.78370500	4.86517100	0.70383300	6	-4.07938700	0.05829200	-0.57918400
1	0.54174100	-0.20290600	1.91694700	1	-0.48660200	4.89077800	1.76273800	6	-5.18691100	0.92660000	-0.66360500
7	2.05078500	0.00393500	-1.22055100	1	-1.82551600	5.20933700	0.65467700	6	-4.35068600	-1.31755800	-0.42878800
7	0.62228500	2.78652100	0.24632300	1	-0.17628500	5.60434500	0.16413800	6	-6.49393700	0.45855700	-0.57645800
6	2.19593400	-1.04785000	0.94204600	6	1.74313300	3.43906300	-0.47348700	1	-5.00266800	1.99722200	-0.79835500
6	2.59343800	-2.09145500	1.75770400	1	1.30412300	3.84697600	-1.39794700	6	-5.65799800	-1.78598100	-0.34545400
1	2.29153900	-2.09730900	2.80689500	1	2.44153200	2.64877500	-0.79134200	1	-3.52824800	-2.03331300	-0.39624300
6	3.37370000	-3.13285100	1.22795300	6	2.52626400	4.50012400	0.27288800	6	-6.73884000	-0.90478200	-0.41152900
1	3.67577700	-3.96004300	1.87361300	1	1.90113800	5.30534300	0.68014300	1	-7.32844200	1.16174400	-0.64130900
6	3.77250700	-3.10553800	-0.09392100	1	3.25253600	4.96239100	-0.40886200	1	-5.83639700	-2.85871300	-0.23420000
1	4.39235900	-3.90774200	-0.50203900	1	3.10381600	4.05741700	1.09498500	1	-7.76298900	-1.27942800	-0.34520200
6	3.38271500	-2.04873400	-0.95377000	27	0.34281500	0.73460800	-0.54089800	8	3.14588000	1.51386500	1.43026300
6	3.74986900	-1.97485200	-2.32100400	6	-2.73408000	0.63324400	-0.67182500				
1	4.38822400	-2.74920600	-2.75159000	6	-1.52104600	0.09750800	-0.37861600				
6	3.28664700	-0.91393800	-3.08388400	1	-2.75328000	1.67333400	-1.03167200	IM7			
1	3.56029800	-0.81540600	-4.13585900	6	-1.29931500	-1.22482100	0.22038000	7	1.17581700	-1.57747700	-0.37370700
6	2.44663400	0.03908700	-2.50876200	6	-0.64566900	-2.25676700	-0.49000000	1	0.44786300	1.76605300	-2.08652300
1	2.05393500	0.86762500	-3.10656800	6	-1.57841600	-1.46409900	1.58646300	7	2.04571700	0.85050400	0.16027700
6	2.55438400	-1.01215800	-0.42949900	6	-0.30760300	-3.45992800	0.12198500	7	-0.98555600	-1.44564700	1.22037200

6	2.50848600	-1.37457900	-0.61205400	6	-0.09202500	-1.39339800	2.40951000	1	-2.23655100	-1.94996100	-2.44135600
6	3.45452300	-2.30360200	-1.05717000	1	-0.54801100	-0.67792700	3.11346300	6	-4.87182600	0.54943800	-1.11797400
1	3.12435500	-3.31936400	-1.26680200	1	0.86595200	-0.94032500	2.09745600	1	-3.26654200	1.96520700	-0.96920600
6	4.80192800	-1.93503400	-1.21866700	6	0.21808000	-2.70784300	3.09889000	6	-5.26653700	-0.74335000	-1.46534600
1	5.50846600	-2.68724000	-1.57959400	1	-0.67985700	-3.24116900	3.43728600	1	-4.60407400	-2.64157100	-2.26140100
6	5.25650100	-0.66265000	-0.93060300	1	0.84271700	-2.51986300	3.98233900	1	-5.61710500	1.27467200	-0.78142500
1	6.30807200	-0.39376200	-1.05230300	1	0.78210100	-3.38813400	2.44564300	1	-6.31418100	-1.04215600	-1.38768700
6	4.34462300	0.30798400	-0.45310800	27	0.08912800	0.11176600	-0.04435900	8	1.11157200	-3.90570300	-0.32061500
6	4.71879900	1.62077700	-0.08000200	6	-1.11727800	0.34501200	-1.75260000				
1	5.76422900	1.92489300	-0.18194100	6	-0.40522500	1.52577700	-1.44060200				
6	3.77601700	2.49099100	0.42251300	1	-0.62061400	-0.26943300	-2.51411500	IM8			
1	4.04337600	3.50133100	0.73609100	6	-0.73090700	2.56873500	-0.46581700	27	-0.66995300	-0.52955400	0.05936100
6	2.44117200	2.06133400	0.52816500	6	-1.42255300	2.27830100	0.73269500	7	0.11780700	1.27056300	-0.21990400
1	1.67010100	2.73111700	0.92192600	6	-0.20978100	3.86909400	-0.61241200	7	1.21018200	-1.09696400	0.18873400
6	2.96704100	-0.04344000	-0.31046600	6	-1.57337400	3.23504100	1.73110500	7	-2.48186800	0.68236900	0.30596700
6	0.62140700	-2.79229100	-0.15861100	1	-1.85712000	1.28203800	0.86510700	1	-2.44273500	-2.64805600	-0.36901000
6	-0.79461600	-2.65467100	0.40237400	6	-0.38463200	4.83340200	0.37651700	6	1.49654600	1.26249100	-0.21231200
1	-1.51435900	-2.59737600	-0.43076500	1	0.34489700	4.11445300	-1.52237600	6	2.35358900	2.35320200	-0.38395900
1	-1.02613500	-3.58572700	0.94758100	6	-1.06071300	4.52251200	1.55730200	1	1.91487000	3.33751500	-0.53951800
6	-2.40351600	-1.23914900	1.56480300	1	-2.10440100	2.97580000	2.65060600	6	3.74713000	2.17582500	-0.34937000
1	-2.95703500	-1.18044300	0.61615700	1	0.01809100	5.83832600	0.22735000	1	4.39153700	3.04768300	-0.49155700
1	-2.49153400	-0.24357800	2.03183100	1	-1.18952500	5.27724200	2.33589400	6	4.31789500	0.93557600	-0.13540000
6	-3.05635100	-2.26539200	2.47060100	6	-2.54659000	0.03294500	-1.64190300	1	5.40310500	0.81150800	-0.10192800
1	-2.96601400	-3.28811300	2.07825900	6	-2.97674800	-1.24980500	-2.04204100	6	3.49131600	-0.19747900	0.05614100
1	-4.12988800	-2.04995300	2.55881700	6	-3.53774800	0.93685700	-1.21134000	6	3.99983300	-1.49874000	0.31145700
1	-2.64220800	-2.25430900	3.48857100	6	-4.30914600	-1.63707100	-1.94790300	1	5.08063700	-1.65454400	0.35247700

6	3.11623100	-2.54180300	0.51953600	1	-1.11388900	-4.21377700	-1.54624700	6	2.16252500	1.54253200	0.27150900
1	3.47374200	-3.55102700	0.73491700	1	-1.43819800	-2.72322100	-2.49324800	1	2.83710200	2.33669600	-0.09217100
6	1.73934100	-2.30152500	0.45467500	1	0.09766500	-2.90104900	-1.60742600	1	2.30443300	1.40906000	1.35470200
1	1.02343200	-3.11260200	0.62856100					6	2.54117500	0.34791900	-1.83251500
6	2.07697500	-0.03396400	0.00551200					1	3.49810500	0.82087900	-2.12445700
6	-0.66583000	2.36623800	-0.28247000	IM9				1	1.75596800	1.04633300	-2.15862700
6	-2.15592000	1.98713600	-0.30309300	27	0.63491800	-0.78358500	0.12234300	6	2.36721500	-0.98907500	-2.51239200
1	-2.73741900	2.80254200	0.16540600	7	-0.19204400	1.26905300	0.75029100	1	3.18730800	-1.68804400	-2.29585100
1	-2.45707600	1.96806900	-1.36073800	7	-1.22556800	-1.12464400	-0.18242500	1	2.31902500	-0.87311100	-3.60269200
6	-2.51662800	0.81516600	1.77373400	7	2.44268700	0.23567100	-0.36455700	1	1.42567700	-1.47105200	-2.19059900
1	-3.43119100	1.36163500	2.08378200	6	-1.57827000	1.19325400	0.44526900	6	3.59463600	-0.44353400	0.26732900
1	-1.66615800	1.45585300	2.05453000	6	-2.40428800	2.30160300	0.55849800	1	3.66783100	-1.44582200	-0.18337200
6	-2.40258100	-0.50551600	2.50037800	1	-1.97073900	3.24962800	0.88001800	1	3.29596100	-0.60729500	1.31404500
1	-3.19675700	-1.21807400	2.23420200	6	-3.77020000	2.19632600	0.26049400	6	4.91972900	0.27979700	0.16804300
1	-2.46322500	-0.35488300	3.58679500	1	-4.41260200	3.07420700	0.35543200	1	5.25566400	0.42168400	-0.86942400
1	-1.42785400	-0.98386500	2.29442800	6	-4.30280400	0.98763400	-0.14693600	1	5.70058300	-0.29726000	0.68039100
6	-3.73823300	0.13269900	-0.21541700	1	-5.36799100	0.89977700	-0.37540300	1	4.88740000	1.26858900	0.64751000
1	-4.57699000	0.84024900	-0.04520300	6	-3.48685200	-0.15826800	-0.29673800	8	0.42205400	2.69165800	-0.94504100
1	-3.98289400	-0.75732200	0.38677100	6	-3.98789000	-1.40880300	-0.74538200	1	0.16605700	0.71605500	1.56665600
6	-3.65235300	-0.25232400	-1.67612100	1	-5.05225000	-1.51565300	-0.96431000	6	0.68244100	-1.67014900	2.94979800
1	-3.67528100	0.61364300	-2.35007400	6	-3.10529400	-2.46687300	-0.90389800	1	0.87604300	-1.34220600	3.99242800
1	-4.49016900	-0.90115500	-1.96582600	1	-3.45180800	-3.44364600	-1.24649300	1	-0.40349300	-1.91595800	2.90535600
1	-2.70670200	-0.78396800	-1.86653600	6	-1.75359600	-2.29014700	-0.62317000	1	1.21440800	-2.64229400	2.84014000
8	-0.36032700	3.55083800	-0.37112300	1	-1.04756200	-3.11732500	-0.74321700	8	1.07136600	-0.72490000	2.02987400
8	-1.49034300	-2.49802600	-0.40781400	6	-2.09124300	-0.05142800	-0.00651100				
6	-0.97517700	-3.12222700	-1.57652400	6	0.72091500	1.94236700	-0.03592400				

IM10				1	3.50874900	1.14539800	-0.27281400	27	0.62310200	-0.42756300	-0.39989400
27	0.50480800	0.76683400	-0.37165500	1	3.26903400	0.26718000	-1.76439300	7	2.12855300	1.03014200	-0.59748800
8	0.35635000	-3.20295900	0.36066800	6	4.81245100	-0.56817700	-0.50652500	7	2.18798100	-1.61670200	-0.36897000
7	-0.40203000	-1.40327700	-0.83352800	1	5.58213900	-0.05451300	-1.09800900	7	-0.07413100	2.49726100	0.45948700
7	-1.45059200	1.02953400	-0.22994100	1	4.79727300	-1.61582300	-0.84239200	1	-0.26181700	1.44812800	0.29179700
7	2.28709700	-0.52272600	-0.12110600	1	5.15477600	-0.55297200	0.53718600	6	3.39081000	0.43993400	-0.56384300
6	-1.75099100	-1.35685200	-0.42096400	6	2.26307800	-0.59282200	1.35869900	6	4.63100000	1.08605700	-0.62074200
6	-2.52876700	-2.49526700	-0.27544300	1	1.19860600	-0.58430100	1.67236600	1	4.66216500	2.16143300	-0.77336100
1	-2.08531000	-3.47311200	-0.45909800	1	2.67834500	0.36294200	1.71172100	6	5.83126500	0.36403200	-0.50002900
6	-3.87562000	-2.37287800	0.10511800	6	2.93684100	-1.77963600	2.01904200	1	6.77481200	0.91435400	-0.54294000
1	-4.48034600	-3.27460900	0.22103000	1	2.88012400	-1.67108100	3.11016500	6	5.84935300	-1.00646100	-0.33976500
6	-4.44196200	-1.13031700	0.30863900	1	3.99751500	-1.87233000	1.75421900	1	6.78878500	-1.55753800	-0.25619100
1	-5.49644600	-1.03731700	0.57938100	1	2.43503100	-2.72332500	1.76577100	6	4.62562400	-1.71205700	-0.29140300
6	-3.67029500	0.04947700	0.17636500	1	0.54938900	3.56894200	-1.34387600	6	4.54015100	-3.11916300	-0.14259400
6	-4.19549900	1.35078700	0.37076900	5	1.43381500	2.73761400	-1.16733400	1	5.45995700	-3.70274000	-0.05451200
1	-5.25158200	1.47340700	0.62083000	1	2.50863700	3.04088700	-1.66901200	6	3.30389700	-3.73129800	-0.11811800
6	-3.35426000	2.44096200	0.23318700	1	1.10100300	1.64210200	-1.77998400	1	3.20773200	-4.81305500	-0.01156900
1	-3.72511800	3.45954800	0.35903200	8	1.55977200	2.39440800	0.30405700	6	2.14988300	-2.94476200	-0.23772100
6	-2.00114700	2.24338600	-0.05246400	6	1.28318000	3.39648200	1.22894300	1	1.15511700	-3.40270300	-0.23182300
1	-1.31541100	3.08930000	-0.15859000	1	1.28926000	2.97505900	2.24760800	6	3.40343800	-0.98395800	-0.40075200
6	-2.28673800	-0.06651500	-0.15915900	1	2.04130500	4.19891200	1.19088400	6	1.99983700	2.31848900	-0.99648300
6	0.57765900	-2.25849600	-0.36605500	1	0.29967400	3.87497500	1.06036400	6	0.60216300	2.91692500	-0.79547400
6	1.97298900	-1.80203500	-0.76653300	1	-0.13934300	-0.75513100	-1.59468300	1	0.69508600	4.01137300	-0.80293200
1	2.67752100	-2.61285900	-0.51441800					1	-0.05481700	2.61859900	-1.62591600
1	2.02692300	-1.64526900	-1.85710900					6	0.79301800	2.62057800	1.68136100
6	3.48058900	0.12941900	-0.69205200	IM11				1	0.56932700	3.59721700	2.13634900

1	1.83725900	2.65025500	1.34852400	6	-3.50144600	-0.68898400	-1.51661600	6	2.83211200	-2.18749100	0.13555700
6	0.57305200	1.47574200	2.63329200	6	-4.22244900	-0.14427200	-2.59898500	1	5.76063400	-0.52596900	0.63682700
1	-0.47187600	1.38779000	2.96575800	6	-4.17671300	-1.60977400	-0.68857700	1	4.83779100	-2.86416500	0.52973800
1	1.20062800	1.59926500	3.52431100	6	-5.55749100	-0.46632800	-2.82273000	1	2.40819400	-3.19564500	0.09848400
1	0.85194100	0.52812600	2.14597800	1	-3.71201800	0.55249300	-3.27214900	7	0.22103500	0.73725900	-0.53207000
6	-1.38319100	3.18834700	0.68712200	6	-5.50924600	-1.93565800	-0.91550500	7	1.96956400	-1.17658500	-0.05911200
1	-1.13825700	4.22619400	0.96437700	1	-3.63788400	-2.09121100	0.12985500	27	0.07035900	-1.30443100	-0.32328100
1	-1.82092900	2.70810400	1.57502600	6	-6.21298300	-1.36126200	-1.97675200	6	-0.79985300	1.60324300	-0.70355000
6	-2.33536900	3.14753500	-0.47810400	1	-6.08960000	-0.02069200	-3.66725000	6	-2.11874100	0.92053600	-1.09967600
1	-1.99864500	3.76970500	-1.31767700	1	-6.00481900	-2.65776600	-0.26137100	7	-2.82527700	0.22647200	0.02210300
1	-3.30823400	3.53985400	-0.15616600	1	-7.25948800	-1.62180700	-2.15108300	6	-2.55655700	0.81397700	1.36352100
1	-2.49336200	2.12228700	-0.84058800	8	2.82923300	3.06623100	-1.50587700	6	-4.26933300	0.03591200	-0.28365000
1	-1.64105800	0.05986400	-2.26573700					6	-3.19631100	0.01442600	2.46895700
6	-1.31778200	-0.28803200	-0.20675200					6	-5.11285400	1.27747400	-0.14408300
6	-2.10217400	-0.29848700	-1.33101300	IM12				1	-1.46304100	0.79974600	1.47122100
6	-1.85982600	-0.52354300	1.14386800	6	3.82875500	0.39165000	0.23980700	1	-2.85972000	1.87231100	1.35659100
6	-2.95768600	0.20220900	1.65372400	6	2.45546000	0.11375000	-0.01834200	1	-4.29284800	0.08651400	2.47899100
6	-1.20890000	-1.40323900	2.03226100	6	1.51380100	1.16883200	-0.24801800	1	-2.91849000	-1.04648700	2.39035300
6	-3.37122500	0.06035500	2.97610200	6	1.98309400	2.48587100	-0.19063000	1	-2.84193000	0.37844900	3.44080300
1	-3.50145300	0.87784700	0.98472000	6	3.33785300	2.75208900	0.07271700	1	-4.30891600	-0.36246100	-1.30842000
6	-1.63504200	-1.56526900	3.34739800	6	4.25343300	1.74038400	0.28338100	1	-4.63305300	-0.77041800	0.37065400
1	-0.33975700	-1.96513900	1.66651600	1	1.28268200	3.30086800	-0.35360200	1	-6.13828800	1.06866900	-0.47285800
6	-2.71550700	-0.82632900	3.83327400	1	3.66796400	3.79385300	0.10787000	1	-5.17053500	1.62687800	0.89558400
1	-4.22505700	0.63865100	3.34026000	1	5.30446700	1.96054600	0.48574600	1	-4.73834800	2.10941400	-0.75555400
1	-1.11277900	-2.26659400	4.00351900	6	4.70158500	-0.70936700	0.44039300	1	-2.77592200	1.70617000	-1.49561600
1	-3.04416700	-0.94080900	4.86858000	6	4.19429100	-1.99468000	0.38202600	1	-1.96494700	0.15255900	-1.87364100

8	-0.82580600	2.82775200	-0.57958700	1	4.74895300	-2.24671200	-1.43974400	8	-0.21022600	-3.12705100	0.46195500
1	-2.39879800	-0.80218700	0.03397000	6	2.70228600	-1.78162900	-0.93527600	6	0.17129400	-3.46189700	1.76159600
8	-1.68426200	-2.04582600	-0.02949500	1	2.31110500	-2.77185800	-1.18999100	1	-0.26807100	-2.77724100	2.51100600
6	-2.21300500	-3.15101600	-0.67410900	6	2.22865100	0.35266900	-0.11776700	1	-0.13970600	-4.48871200	2.02356700
1	-3.15139600	-3.49703600	-0.19421000	6	-1.05625100	1.45345900	1.03310200	1	1.26760300	-3.40506800	1.84372900
1	-2.45703500	-2.97048000	-1.74418000	6	-2.43839200	0.80461900	0.88425800	1	-2.14497700	-0.28392200	-0.78083900
1	-1.52725400	-4.02045300	-0.65975900	1	-2.47607200	-0.16571700	1.40146300				
				1	-3.19844500	1.47706700	1.30208200				
				6	-2.42721100	1.64258600	-1.47810000				
				1	-2.75332500	1.31622000	-2.47633100	IM14			
IM13				1	-1.32948900	1.67685300	-1.49092100	27	0.02795300	-0.48472800	0.37183600
27	-0.11511600	-1.21346000	-0.33326300	6	-3.01483800	2.97519600	-1.09273400	8	-3.81543700	0.91052300	-0.38183400
8	-1.01963300	2.53644600	1.61894800	1	-2.64441500	3.31359600	-0.11576400	7	-2.02992100	-0.34588900	0.44527800
7	-0.05970600	0.73340300	0.47397600	1	-4.11346500	2.97333300	-1.07912900	7	-0.46161400	-2.27898500	-0.36600300
7	1.80786900	-0.89499100	-0.49327000	1	-2.70730100	3.72522900	-1.83159700	7	-2.61995100	3.22134200	0.52807000
7	-2.78822800	0.52425200	-0.54415400	6	-4.20575000	0.08774700	-0.74179300	6	-2.64432600	-1.59502600	0.28717200
6	1.23884000	1.24298000	0.41993900	1	-4.30394800	-0.12420700	-1.81679300	6	-3.96859400	-1.90486200	0.59590700
6	1.67214200	2.51535300	0.81088300	1	-4.83295700	0.96658200	-0.52970800	1	-4.62308400	-1.15020900	1.04093400
1	0.95417500	3.20617700	1.24312600	6	-4.62789600	-1.09919600	0.08042300	6	-4.44883100	-3.21559200	0.40589000
6	3.01847400	2.89842500	0.67066000	1	-4.01691800	-1.98905300	-0.11796900	1	-5.48709800	-3.44075100	0.65876500
1	3.30702400	3.90419100	0.98757500	1	-5.66731500	-1.34359100	-0.17174700	6	-3.62971100	-4.21085300	-0.08760600
6	3.97520700	2.04338500	0.16535600	1	-4.59507000	-0.89936000	1.15889400	1	-4.01494300	-5.22130600	-0.24218500
1	5.02072100	2.34761600	0.07598100	1	-2.31051700	-3.67053300	-0.29631100	6	-2.26838100	-3.94299500	-0.38170900
6	3.59673800	0.74012900	-0.23239600	1	-1.62786600	-2.78264800	0.19679400	6	-1.35351700	-4.90534100	-0.87535000
6	4.51242900	-0.22043400	-0.73042700	5	-2.16031300	-2.26453400	1.17895400	1	-1.69150900	-5.92690200	-1.06249200
1	5.56690400	0.04923800	-0.82895300	1	-1.60573800	-1.93089800	-0.82157400	6	-0.03987200	-4.52971300	-1.10176500
6	4.06400100	-1.48203200	-1.06905300					1	0.69129300	-5.24705700	-1.47858000

6	0.37206100	-3.22139200	-0.82196200	1	8.24704100	0.37509600	0.10893800	7	1.84449400	0.88977100	-0.31303800
1	1.41617200	-2.91435800	-0.93989700	6	1.69100600	0.75455000	-0.40796400	7	0.02751100	-1.12296200	1.56100600
6	-1.77360200	-2.62531400	-0.16721100	6	1.85690100	2.12049000	-0.02141600	6	2.43585000	-1.33978300	-0.93586500
6	-2.60484900	0.77624600	0.14061500	6	1.06476800	0.52172900	-1.67277000	6	3.45702600	-2.28776700	-1.09279400
6	-1.82863500	2.04775900	0.27806900	6	1.44261900	3.15826700	-0.83602800	1	3.17400800	-3.32026200	-1.31210300
1	-1.03569800	1.86521000	1.03880700	1	2.34230700	2.32857400	0.93638900	6	4.81046800	-1.92762600	-1.01794100
1	-1.26705100	2.16006300	-0.66797300	6	0.65425000	1.58595000	-2.48299800	1	5.56993500	-2.69934000	-1.16905400
6	-2.77834400	3.51057800	1.94115200	1	1.00310800	-0.50135400	-2.05562000	6	5.20375800	-0.62426900	-0.76836500
1	-3.38967900	4.42334400	2.02495800	6	0.83173100	2.90659900	-2.07740400	1	6.25954300	-0.34993800	-0.71871300
1	-1.80212200	3.75395400	2.42271200	1	1.60649600	4.19107500	-0.51393100	6	4.21895600	0.36395900	-0.54288800
6	-2.26325700	4.36649800	-0.29339900	1	0.20716600	1.37083400	-3.45811200	6	4.51586800	1.70540300	-0.19518600
1	-1.18117500	4.61734700	-0.21295400	1	0.51608000	3.73353600	-2.71788700	1	5.56042400	2.02498400	-0.14820400
1	-2.79905200	5.23736600	0.11571800	6	-2.64765400	4.17442000	-1.74313800	6	3.49480000	2.58042400	0.10320200
1	2.98279900	-1.60525800	1.82003800	6	-3.44644200	2.38476800	2.69945400	1	3.69829300	3.61282000	0.39239700
6	1.94100400	-0.34888200	0.50232400	1	-3.72699000	3.99191000	-1.83990600	6	2.16437100	2.12744400	0.04784400
6	3.08048100	-0.83032100	1.04576400	1	-2.38861500	5.05868100	-2.34151800	1	1.33569100	2.79383000	0.30886800
6	4.46945200	-0.47903300	0.75160700	1	-2.12653200	3.31898300	-2.19903600	6	2.83744800	0.00252200	-0.61797800
6	4.86210200	0.34027800	-0.32738300	1	-2.83195700	1.47127900	2.71818800	6	0.50027300	-2.56718500	-0.28784400
6	5.49135700	-0.99008200	1.57725500	1	-3.61734600	2.66639200	3.74682300	6	0.79070800	-2.34152500	1.20389100
6	6.20128700	0.64206100	-0.55002300	1	-4.41784900	2.13072300	2.25114000	1	0.51574800	-3.21344500	1.81695500
1	4.10519600	0.73440900	-1.00855300	1	-4.19266700	0.02738200	-0.54447600	1	1.85706700	-2.13139300	1.37175500
6	6.83076300	-0.68719100	1.35487400					6	-1.42540400	-1.37375400	1.77864700
1	5.21187900	-1.63684400	2.41470200					1	-1.94174900	-1.29614400	0.80607900
6	7.19639500	0.13566500	0.28922000	IM15				1	-1.79639300	-0.53075600	2.38449100
1	6.47487600	1.27810900	-1.39620300	27	-0.01271900	0.03792900	-0.38659700	6	-1.82868800	-2.69537600	2.39692800
1	7.59717300	-1.09762700	2.01783800	7	1.10740600	-1.62679900	-1.07686400	1	-1.62585400	-3.52535100	1.70634000

1	-2.91086800	-2.68748400	2.58492200	6	-0.79993600	3.77812500	-0.88280000	1	4.88043700	1.16263500	-1.09374300
1	-1.32582100	-2.90245700	3.35189800	6	-1.71362000	2.10098500	0.58481200	6	3.08243800	0.89290200	-2.26070600
6	0.65477300	-0.34466400	2.64090500	6	-0.97311900	4.73958200	0.10952900	1	3.48938100	1.31904400	-3.17976300
1	0.13859800	0.63064800	2.68369200	1	-0.36330500	4.06102400	-1.84469800	6	1.75755900	0.44037600	-2.24770600
1	1.68299300	-0.11955900	2.31330100	6	-1.86705300	3.05802500	1.58226000	1	1.13317600	0.52171100	-3.14295800
6	0.67149000	-0.99207700	4.00937700	1	-2.03091000	1.07153000	0.77777100	6	1.93137100	-0.21609000	-0.01004000
1	-0.34048500	-1.12427500	4.41770000	6	-1.50040000	4.38587900	1.35169400	6	-1.09975500	-0.72980700	1.38204900
1	1.22782200	-0.36827100	4.72195900	1	-0.68637500	5.77560000	-0.08707800	6	-1.10800100	0.79905900	1.37824600
1	1.15870500	-1.97796000	3.98987300	1	-2.28363000	2.76431900	2.54949600	1	-1.77341800	1.21437300	2.15291600
8	-0.39313700	-3.33172700	-0.62531600	1	-1.62760100	5.13757100	2.13348600	1	-0.10295300	1.21653900	1.53709700
6	-1.41474600	0.16426100	-1.91663500					6	-2.99110100	1.06178900	-0.24620300
6	-0.83203200	1.42490900	-1.68585300					1	-3.24126500	0.01989800	-0.49904500
1	-0.09551400	1.76353700	-2.42378700	IM16				1	-3.17913400	1.64305600	-1.16368600
1	-0.96496000	-0.40376400	-2.73901400	27	-0.64119800	-0.68032600	-0.91999600	6	-3.91019000	1.50622700	0.87162300
6	-2.72643000	-0.35533700	-1.49592800	7	0.02869300	-1.35302100	0.98976300	1	-3.85830300	0.80408700	1.71431500
6	-2.93816700	-1.74832300	-1.53092900	7	1.17664500	-0.09505900	-1.16285500	1	-4.94893900	1.50654400	0.51472500
6	-3.79818300	0.46528300	-1.09697200	7	-1.53026900	1.15095500	-0.00001000	1	-3.68827000	2.51588400	1.24385000
6	-4.15039400	-2.29845500	-1.12725400	6	1.29130400	-0.80110400	1.12760900	6	-0.92405800	2.39463900	-0.49108300
1	-2.11755000	-2.40186300	-1.83890300	6	2.01320600	-0.85739200	2.32226900	1	-1.09033000	2.43063900	-1.58149400
6	-5.01144800	-0.08922900	-0.69828200	1	1.53196700	-1.30119900	3.19668100	1	0.16562900	2.29085600	-0.36375700
1	-3.68486700	1.55122100	-1.11791300	6	3.33318800	-0.38648700	2.39780800	6	-1.40229800	3.67884400	0.15396700
6	-5.19117300	-1.47346400	-0.69742000	1	3.86691700	-0.45230900	3.34938900	1	-2.45882200	3.88721700	-0.06617900
1	-4.28126000	-3.38320900	-1.14834200	6	3.96943300	0.14612100	1.29101200	1	-0.82077400	4.53406400	-0.21641200
1	-5.83061400	0.56858500	-0.39672800	1	5.00066200	0.50172000	1.35105000	1	-1.28428600	3.65405500	1.24742700
1	-6.14387400	-1.90435300	-0.38041400	6	3.27890900	0.24577900	0.06106600	8	-2.21093500	-1.30299900	1.51132100
6	-1.16742500	2.43433400	-0.67534000	6	3.84816000	0.80535100	-1.11391200	1	-2.37946200	-2.03654700	0.03938300

8	-2.17982200	-2.09715700	-0.94328200	6	2.09156500	0.16619600	-0.20019400	6	-2.66804200	2.86286600	-0.34503600
6	-1.70370700	-3.40170400	-1.21813900	6	-0.47019600	-1.74439300	-0.80264900	1	-2.11810800	3.26143200	0.52432200
1	-2.51065600	-4.14499900	-1.12717400	6	-0.69187600	-1.73210400	0.68659400	1	-2.99176600	3.72334100	-0.95905400
1	-1.33595000	-3.42687400	-2.25255400	1	-1.17265300	-2.65903300	1.04796900	1	-3.58906400	2.36822300	0.02398700
1	-0.88142700	-3.68147900	-0.53991600	1	0.27908200	-1.64559100	1.19628500				
				6	-2.92170000	-0.62732800	0.71334900				
				1	-3.11042100	-0.53283200	-0.36922800	TS1			
IM17				1	-3.37317900	0.27188700	1.15985000	27	-0.02676800	-1.72918200	-0.68896900
27	-0.64828200	0.34933600	-0.97062200	6	-3.60005900	-1.88150300	1.22550000	7	0.24332100	0.42373600	-0.45882300
7	0.61880500	-1.33164900	-1.42677200	1	-3.30086000	-2.76867100	0.65034300	1	1.22343200	0.02387200	0.42008800
7	1.06894200	1.07607400	-0.24424000	1	-4.68694400	-1.78427900	1.10368100	7	-1.77007400	-1.25056700	0.02021200
7	-1.46509500	-0.51021000	0.94624000	1	-3.40432100	-2.08311700	2.28793500	7	2.47043500	0.05692400	0.47582500
6	1.82903900	-1.11336800	-0.76624100	6	-1.09013100	0.20773300	2.16491600	6	-1.01093400	0.99862400	-0.22486900
6	2.82818400	-2.07958800	-0.71136000	1	-1.49255800	1.23076000	2.07361000	6	-1.27232500	2.36567200	-0.23975900
1	2.63784400	-3.05975000	-1.15314300	1	0.00637600	0.32076500	2.14738600	1	-0.48134300	3.06094400	-0.52378000
6	4.07155700	-1.79360700	-0.11844900	6	-1.52655800	-0.41378600	3.47614600	6	-2.54797000	2.84353700	0.10366200
1	4.83605100	-2.57365100	-0.09121900	1	-2.61969700	-0.41871600	3.58824100	1	-2.73109800	3.92073600	0.08814800
6	4.34502800	-0.54781300	0.41345400	1	-1.11833100	0.15191500	4.32476100	6	-3.56496000	1.98093900	0.46725700
1	5.31826000	-0.32979600	0.85898700	1	-1.17331900	-1.45120900	3.57577900	1	-4.55075900	2.36277000	0.74391600
6	3.35816300	0.46532600	0.38146700	8	-1.44025400	-2.40046600	-1.48128400	6	-3.34533000	0.58294600	0.47340600
6	3.53817800	1.77450000	0.89733900	1	-1.24790700	-2.29924900	-2.42709900	6	-4.33416900	-0.37504800	0.81909900
1	4.49486800	2.04749700	1.34922900	1	-3.61484600	0.90298700	-1.99889300	1	-5.33013300	-0.03975800	1.11786800
6	2.50363900	2.68519300	0.81400900	5	-2.47652400	1.28608900	-2.25818000	6	-4.01648300	-1.72149400	0.76126600
1	2.61776200	3.70231900	1.19293600	1	-2.40303500	1.94183800	-3.28652700	1	-4.75374900	-2.48490200	1.01727000
6	1.28192500	2.29927400	0.23922900	1	-1.74950600	0.24528700	-2.43276500	6	-2.74133100	-2.11922400	0.35174700
1	0.44247500	2.99690100	0.16336300	8	-1.86110000	1.99710700	-1.06722600	1	-2.48323100	-3.17981600	0.27472700

6	-2.05899700	0.09562600	0.09960900	7	-1.94836300	-1.11365000	-0.29983800	1	5.67768600	-1.72754500	-1.08528000
6	1.16441500	0.97427700	-1.31504400	7	2.87326400	-0.17902800	0.22663300	1	5.74740800	-0.26342300	-0.10383000
6	2.53165100	0.36044100	-0.97083200	6	-1.26676300	1.19869600	-0.08644300	6	3.35804700	0.77151600	1.28259200
1	2.64908500	-0.58133100	-1.52571400	6	-1.60089000	2.54520700	0.04199400	1	3.99944400	0.18258900	1.95482800
1	3.34756000	1.04796800	-1.23387900	1	-0.81053100	3.29282600	0.01946900	1	2.46377100	1.04440000	1.86438200
6	3.05780400	-1.23467400	0.90839600	6	-2.94253200	2.92828400	0.19228600	6	4.04944700	2.01231700	0.77839000
1	2.33278500	-1.99962700	0.57783400	1	-3.18291700	3.98972900	0.29215200	1	4.92619100	1.79330300	0.15575100
1	3.06100900	-1.22462800	2.00902900	6	-3.95328700	1.98800100	0.22482900	1	4.39804300	2.59768000	1.63853000
6	4.42079000	-1.56231900	0.34800700	1	-4.99608000	2.29009400	0.35168800	1	3.36972100	2.65335900	0.20134700
1	4.39027900	-1.66691700	-0.74491700	6	-3.65836200	0.61142500	0.08258800	1	1.07552100	-2.28872400	-1.63838600
1	4.75404600	-2.53024700	0.74467400	6	-4.65766300	-0.39673900	0.09650500	8	1.10917300	2.55008100	-1.10741400
1	5.19226400	-0.82185500	0.59659200	1	-5.70385900	-0.11595200	0.23775700	1	0.29310100	-0.16968600	0.67974400
6	2.77762000	1.23037100	1.32132000	6	-4.28017000	-1.71944800	-0.07852100	6	0.09551800	-1.51662000	2.49270200
1	2.35831400	1.02346600	2.31825000	1	-5.01877500	-2.52357500	-0.07380100	1	-1.00769700	-1.50872100	2.43351300
1	2.18530700	2.06432000	0.91008100	6	-2.93872600	-2.03227400	-0.28033100	1	0.38674600	-0.82435900	3.30533800
6	4.23474200	1.60902800	1.42677700	1	-2.62879600	-3.06840400	-0.45038100	1	0.39684500	-2.53116200	2.80485000
1	4.81646500	0.86384700	1.98535300	6	-2.29778500	0.21187000	-0.09477100	8	0.67969900	-1.18077600	1.27241700
1	4.33397400	2.56207300	1.96191700	6	1.08565900	1.38807400	-0.72620700	1	2.07076700	-0.70030300	0.69952700
1	4.70344600	1.74039800	0.44149000	6	2.31349300	0.50186100	-0.97665500				
1	1.22183400	-2.59755400	-1.23737200	1	1.99962900	-0.31452000	-1.65157900				
8	1.01379300	1.79516300	-2.19751900	1	3.09805800	1.11077000	-1.44083000	TS3			
				6	3.81961000	-1.27951800	-0.14207400	27	-0.44351400	-1.86922100	-0.35811500
				1	3.22124300	-1.93648700	-0.79547400	8	1.77165900	1.52490400	0.53096100
TS2				1	4.00654400	-1.83930900	0.78615700	7	0.07533300	0.17941900	-0.38220400
27	-0.11814300	-1.62578900	-0.74285500	6	5.10664000	-0.84022600	-0.78489400	7	-2.22373600	-1.09222200	-0.29350800
7	0.04092700	0.69425100	-0.19628800	1	4.94261200	-0.24627000	-1.69391800	7	3.58557900	0.01009800	0.15917400

6	-1.03382600	0.97095900	-0.07067100	6	4.81851700	0.33930100	-0.58216400	1	-6.06751500	0.76800800	-0.00520900
6	-1.03520300	2.34462300	0.17594000	1	5.10553300	-0.52814200	-1.20141400	6	-5.05727200	-1.14742700	-0.00863400
1	-0.09156100	2.88761800	0.19210900	1	5.61454800	0.45987500	0.16783000	1	-5.96770300	-1.74895400	0.02384700
6	-2.24553900	3.02101400	0.39879800	6	4.68519300	1.59424500	-1.40863900	6	-3.81758300	-1.78699800	-0.02585200
1	-2.22259800	4.09737400	0.58701400	1	3.92019500	1.50535200	-2.19157000	1	-3.74751700	-2.87869600	-0.00088800
6	-3.45683200	2.35476700	0.38232200	1	5.63432400	1.81718200	-1.91094600	6	-2.67666200	0.25141700	-0.11433200
1	-4.39324800	2.89085900	0.55582600	1	4.42231400	2.46060800	-0.78681300	6	0.93036100	0.48864300	-0.35896900
6	-3.50058700	0.96088200	0.14201700	1	0.73233100	-2.98674100	-0.29119300	6	1.91277100	-0.60657700	-0.74883900
6	-4.70180200	0.20555000	0.09780800	1	2.97830400	1.00576200	0.56713000	1	1.40903400	-1.58448400	-0.62331400
1	-5.65984900	0.70583700	0.25641900					1	2.12597100	-0.46332000	-1.81898800
6	-4.63156000	-1.15610000	-0.15263100					6	3.11821400	-1.25584600	1.30534900
1	-5.53521800	-1.76673100	-0.20273000	TS4				1	4.10012200	-1.10795600	1.78455100
6	-3.38942100	-1.76425600	-0.33902700	27	-0.88600100	-1.91567300	0.13616200	1	2.98647600	-2.34311800	1.16334500
1	-3.31345500	-2.83956500	-0.52707500	8	1.33979900	1.69331900	-0.19746300	6	1.99816900	-0.71578900	2.15372200
6	-2.27403500	0.26890500	-0.07352500	7	-0.31742900	0.08250800	-0.31392300	1	1.99227100	0.38258300	2.19623400
6	1.30703100	0.53670000	-0.13654200	7	-2.64625600	-1.12585800	-0.06446300	1	2.09448200	-1.09452800	3.17870400
6	2.41920700	-0.35723100	-0.67475600	7	3.21782000	-0.62613000	-0.03748900	1	1.02917700	-1.06806100	1.76544700
1	2.14256900	-1.42407400	-0.61842600	6	-1.42348700	0.93405800	-0.21500100	6	4.25360900	-1.32634500	-0.83577700
1	2.61640800	-0.11201900	-1.72809600	6	-1.43069600	2.33244000	-0.25123100	1	3.88153600	-2.33651200	-1.08279900
6	3.81673100	-0.96607800	1.25365800	1	-0.49069600	2.87180000	-0.32220100	1	5.11279900	-1.47033400	-0.16303500
1	4.63413000	-0.55907100	1.86938800	6	-2.64210700	3.04096700	-0.20269900	6	4.68674400	-0.57305300	-2.07006700
1	4.19154400	-1.90103800	0.80202400	1	-2.61351600	4.13315700	-0.23291100	1	3.90054500	-0.51569400	-2.83441800
6	2.58313900	-1.22305900	2.08340400	6	-3.85772700	2.39031600	-0.12261300	1	5.54002700	-1.08326900	-2.53384400
1	2.20819600	-0.30172700	2.54978900	1	-4.79502000	2.95136000	-0.08944900	1	4.99378100	0.45288500	-1.82692200
1	2.82150800	-1.93321200	2.88452200	6	-3.90366400	0.97716600	-0.08397900	1	0.24897700	-3.03636600	0.45523500
1	1.76933000	-1.67083600	1.48743400	6	-5.11312000	0.23695600	-0.02671000	1	3.60081100	0.57693500	0.07559400

6	4.16285900	2.45837800	1.16513300	6	-2.99002200	0.57310500	0.82141600	6	4.13202200	-0.93302100	1.01754000
1	5.20922500	2.19510700	1.38513000	6	-0.70024800	-0.04092700	-1.91669600	6	3.36910900	1.14335000	1.99016600
1	3.55567900	2.20784100	2.05440000	6	0.69049700	0.55103700	-2.17432400	6	5.45095700	-0.54956800	1.23561400
1	4.11976300	3.55007700	1.03320600	1	1.44164200	-0.03876400	-1.62929100	1	3.91002900	-1.90362900	0.56621600
8	3.72671300	1.80554400	0.00250200	1	0.93396400	0.51103300	-3.24521100	6	4.68956200	1.52155900	2.21040000
1	2.54982800	1.87032200	-0.14427000	6	1.86373500	2.40471100	-0.92326800	1	2.53292700	1.78656100	2.28160300
				1	1.78085500	2.00754800	0.10046200	6	5.73800300	0.68203900	1.82853500
				1	1.75951400	3.49698800	-0.83837200	1	6.26450600	-1.21893000	0.94450700
TS5				6	3.18899100	2.02370500	-1.53927700	1	4.90589900	2.48065300	2.68844000
7	-1.23049400	0.60678000	-0.82907000	1	3.35620000	0.93758700	-1.51220600	1	6.77477300	0.98120100	2.00000800
7	-2.01151900	0.49165100	1.77239500	1	4.00172500	2.47006000	-0.95047300	6	0.58642000	-2.60831400	-0.02621100
7	0.65012800	1.92505900	-1.63586500	1	3.30611400	2.35929500	-2.57916100	6	1.52717900	-3.19087300	-0.90107400
6	-2.59168600	0.55640000	-0.54968800	6	0.06522100	2.88812500	-2.59431800	6	-0.68808800	-3.20180700	0.06520800
6	-3.58498100	0.52584500	-1.52556400	1	-0.25816100	3.76188900	-2.00777700	6	1.20110300	-4.31520300	-1.65191600
1	-3.29559200	0.47204000	-2.57555400	1	-0.85692800	2.42248600	-2.97933100	1	2.51525300	-2.73246900	-1.00049100
6	-4.94517100	0.56757200	-1.17349800	6	0.96588800	3.31529200	-3.72774300	6	-1.00487100	-4.33475200	-0.67347900
1	-5.69594000	0.54911700	-1.96715400	1	1.82863700	3.89462600	-3.37216200	1	-1.43244300	-2.73971800	0.72078400
6	-5.34468900	0.64981400	0.14512300	1	0.41111800	3.95666800	-4.42449000	6	-0.06341600	-4.89487000	-1.53865200
1	-6.40237800	0.70381900	0.41241300	1	1.34468200	2.46088500	-4.30603500	1	1.93973400	-4.74422400	-2.33366700
6	-4.37285100	0.65587800	1.17302200	8	-1.17428700	-0.92575100	-2.60008500	1	-2.00019100	-4.77703700	-0.58865100
6	-4.69006800	0.73421700	2.55030200	1	-0.31907500	1.61461300	-0.88220300	1	-0.31745900	-5.77711000	-2.13055900
1	-5.73703800	0.81245100	2.85388200	27	-0.10389100	0.19871000	1.16283500				
6	-3.67781500	0.70840300	3.48690400	1	0.44617600	1.61826500	1.64628100				
1	-3.89151900	0.77153500	4.55498200	6	0.87793700	-1.39240100	0.68606800	TS6			
6	-2.35026100	0.56674600	3.05580000	6	1.69978500	-0.47998100	1.10904200	27	0.04415900	0.33872200	-1.31434200
1	-1.52866200	0.50337200	3.77526900	6	3.06178800	-0.08681700	1.37887800	7	-0.10279000	-1.33357400	0.31173400

1	0.30174800	-2.16682500	-0.65992100	1	4.92867800	-0.31231400	0.53283800	1	3.03312600	1.46996300	-1.74839400
7	-1.86578500	-0.41529200	-1.48974300	1	5.92277400	-0.85141500	-0.82120800	1	1.21317500	3.93923600	1.25567800
7	2.81715100	-2.11528000	0.05048500	1	5.66800600	-1.93417500	0.55190900	1	5.23365100	2.60866900	-1.35523400
6	-1.45554100	-1.49036900	0.61671700	6	3.03806700	-3.28742900	0.94151000	1	3.38878000	5.07633100	1.65822200
6	-1.97312300	-2.06080300	1.77527000	1	3.72337200	-3.96253300	0.40625600	1	5.40600000	4.41365600	0.35557600
1	-1.28934700	-2.37436600	2.56190700	1	2.07491900	-3.82182300	0.99548500	1	-2.71222200	3.04369100	-1.27334700
6	-3.36082400	-2.21869100	1.94343900	6	3.53134500	-2.99473900	2.34011800	1	-1.21881000	1.05148000	2.25235900
1	-3.73019200	-2.66805400	2.86875600	1	4.47473400	-2.43291600	2.35410100	1	-4.97005600	3.15504700	-0.25197100
6	-4.25626000	-1.82727500	0.97057600	1	3.70498900	-3.94134500	2.86849900	1	-3.47449900	1.16490500	3.26753800
1	-5.33244300	-1.95747400	1.10647600	1	2.79037500	-2.42807800	2.92077600	1	-5.36939900	2.20676900	2.01999000
6	-3.77985700	-1.23807100	-0.22309800	1	1.43519900	-0.10245200	-2.01704700	6	0.71836800	-2.95567300	-2.65771500
6	-4.62738200	-0.79584500	-1.26697400	8	0.61833400	-0.97625300	2.48934700	1	0.84567100	-1.94351200	-3.07842000
1	-5.70798300	-0.92883900	-1.16849900	6	0.72358900	1.95771300	-0.48708700	1	1.44559400	-3.63365800	-3.13018700
6	-4.08557800	-0.19735700	-2.38294800	6	-0.52557000	1.87832800	-0.20003900	1	-0.28872800	-3.31988600	-2.91262300
1	-4.71430900	0.15613300	-3.20167200	6	1.98766200	2.63003000	-0.27781200	8	0.88926100	-2.97149500	-1.26066700
6	-2.69616700	-0.00259700	-2.43957700	6	3.13540100	2.26546400	-1.00303200	1	1.91490900	-2.55031800	-0.77573600
1	-2.24251600	0.52734600	-3.28381800	6	2.09968200	3.65377700	0.68345800				
6	-2.37288800	-1.05585400	-0.39382400	6	4.35229200	2.90203300	-0.77782600				
6	0.83195400	-1.12185300	1.29238500	6	3.31836900	4.28582300	0.90667000	TS7			
6	2.25338300	-0.94305900	0.75343000	6	4.45048700	3.91409400	0.17800600	8	-0.82927700	3.10424500	1.27128900
1	2.23099800	-0.12445000	0.01827200	6	-1.80017100	2.06142400	0.42478900	7	0.44747100	1.50936600	0.10153800
1	2.89167000	-0.64276600	1.59540100	6	-2.88118400	2.64139400	-0.27074800	7	2.35314400	0.24723200	-1.19198300
6	3.96844000	-1.73756300	-0.80094500	6	-2.03864900	1.53493900	1.71349700	7	-2.99051200	2.21886000	0.74897300
1	3.56552900	-1.00246700	-1.51842300	6	-4.14720300	2.69693200	0.30350200	6	1.71531700	2.03161000	0.27011200
1	4.23688500	-2.63146500	-1.38734700	6	-3.31034800	1.58939400	2.27340800	6	2.09471500	3.12934100	1.04367400
6	5.17828900	-1.18534100	-0.08624000	6	-4.37214400	2.16841300	1.57513800	1	1.32995400	3.69000700	1.57796800

6	3.44685700	3.50622200	1.14117400	6	-3.32390400	1.34458100	3.05274700	1	0.12344500	-4.52873300	-0.13814700
1	3.70718000	4.37083900	1.75686500	1	-2.56772800	0.55181400	2.97528800	1	2.32381800	-1.09175400	1.23942200
6	4.44388000	2.80936900	0.48920100	1	-4.08786300	0.98935200	3.75493100	1	1.62524700	-6.01499100	1.16578900
1	5.49175500	3.10430700	0.58053000	1	-2.84068200	2.22459000	3.49906500	1	3.80968600	-2.57537800	2.57025300
6	4.10923900	1.68947200	-0.30849600	1	-2.11742300	2.98127600	1.23173700	1	3.47331700	-5.04615100	2.52996200
6	5.06465500	0.90193600	-0.99647700	27	0.33221300	-0.15856200	-1.28978700				
1	6.12391300	1.16110700	-0.92086200	1	-0.72885800	0.58334600	-2.27236800				
6	4.65013500	-0.18035400	-1.74157500	6	-0.89760200	-1.56618400	-0.82341800	TS8			
1	5.36395300	-0.81056400	-2.27409700	6	0.25687800	-1.84216100	-0.30329200	8	0.98452000	-2.87874700	1.14647700
6	3.27757500	-0.47230700	-1.81484000	6	-2.31826100	-1.82593200	-0.83225200	7	-0.38118400	-1.45358200	-0.05797400
1	2.91665700	-1.32685200	-2.39553200	6	-3.18402800	-1.16808600	-1.72610500	7	-2.51923900	-0.38910600	-1.19596700
6	2.73899200	1.31123900	-0.42934700	6	-2.88486800	-2.70307700	0.11644900	7	3.23865600	-1.19344300	0.20933500
6	-0.63988600	2.02700600	0.60163300	6	-4.55865800	-1.37947100	-1.67510400	6	-1.54724300	-2.19675800	0.04577700
6	-1.93032500	1.27342900	0.34461400	6	-4.26104800	-2.90352500	0.17105900	6	-1.73523500	-3.43351500	0.67019100
1	-1.98763800	0.96341700	-0.71025300	6	-5.10655500	-2.24352700	-0.72386800	1	-0.88829800	-3.92667200	1.13711100
1	-1.97095200	0.35147000	0.94142900	6	1.11299400	-2.70264400	0.46499600	6	-3.00250300	-4.04392800	0.71110000
6	-3.65930300	2.83918900	-0.41942700	6	0.93427900	-4.10338000	0.45937800	1	-3.09964200	-5.01048900	1.21187800
1	-4.38594400	3.56374500	-0.01976800	6	2.17335600	-2.17502100	1.23113800	6	-4.11363400	-3.45206200	0.15018000
1	-4.24146500	2.05520100	-0.93562700	6	1.77858500	-4.93285700	1.18928400	1	-5.09626000	-3.92684900	0.19947200
6	-2.69321200	3.51144600	-1.36443300	6	3.00230900	-3.00857800	1.97427500	6	-3.98147300	-2.20238300	-0.49861800
1	-2.11332000	4.29732600	-0.86171100	6	2.81441200	-4.39187800	1.95441400	6	-5.07127800	-1.51275400	-1.08310000
1	-3.24864600	3.97933600	-2.18650300	1	-2.73566700	-0.48123000	-2.45203300	1	-6.06819500	-1.95897700	-1.03852300
1	-1.98372600	2.80133500	-1.81687900	1	-2.22367600	-3.21680900	0.81998000	6	-4.86567200	-0.29298900	-1.68890300
6	-3.95627200	1.67161900	1.72301400	1	-5.21289000	-0.86629900	-2.38565600	1	-5.68743300	0.26589400	-2.13883100
1	-4.44021600	0.78462500	1.27558500	1	-4.67968900	-3.58377500	0.91751400	6	-3.56406600	0.23268100	-1.72678800
1	-4.74401400	2.42977500	1.84903700	1	-6.18632800	-2.40618500	-0.68285100	1	-3.36260200	1.19865700	-2.20040100

6	-2.69532300	-1.58577500	-0.56682700	6	3.77508600	2.77843800	-1.93070100				
6	0.76268300	-1.79811600	0.48757500	6	3.42826700	3.83588200	0.21009600				
6	1.83563900	-0.73491100	0.34364100	6	4.25803400	3.56243000	-0.87986400	TS9			
1	1.57021600	-0.12019200	-0.53317700	6	-1.81153200	2.53288300	0.76155100	27	-0.38699900	0.30987600	-1.04465200
1	1.76480800	-0.07729800	1.22337600	6	-1.90091500	3.93369700	0.91392100	7	-1.42399000	-1.47813800	-0.00587600
6	3.53630400	-1.58605200	-1.19196900	6	-2.71596600	1.72985700	1.48662400	1	-0.97120800	-2.35459600	-0.29047300
1	4.54831000	-2.02420900	-1.18248600	6	-2.85333700	4.50001800	1.75395200	7	-2.25811700	0.90605900	-0.98703500
1	3.59305900	-0.66170100	-1.79606900	6	-3.65457400	2.30145000	2.33926800	7	0.69566200	-2.91984500	0.82455200
6	2.53066100	-2.53450700	-1.79454800	6	-3.73325200	3.68870500	2.47419400	6	-2.80773700	-1.30646800	-0.26321100
1	2.35912800	-3.41698000	-1.16193200	1	2.09617900	1.62161700	-2.68721500	6	-3.73935900	-2.30732500	-0.05005400
1	2.89713300	-2.88724000	-2.76681100	1	1.47730200	3.55693500	1.09818100	1	-3.40358200	-3.29010800	0.28996500
1	1.56695100	-2.03310000	-1.97606600	1	4.41706500	2.56322700	-2.78942600	6	-5.10946400	-2.04886000	-0.23941900
6	4.18480300	-0.13081200	0.63364400	1	3.79737900	4.44739000	1.03784500	1	-5.83341000	-2.84907500	-0.07213500
1	3.95888700	0.78771100	0.06247200	1	5.27510900	3.96069800	-0.91063500	6	-5.54480300	-0.78761400	-0.59265300
1	5.18335800	-0.46242900	0.30918400	1	-1.21072600	4.56930500	0.35261300	1	-6.61186900	-0.57783300	-0.69900200
6	4.18282700	0.13146000	2.11933500	1	-2.65621100	0.64356200	1.37490500	6	-4.61836600	0.25968100	-0.81660300
1	3.24087000	0.57387200	2.47070000	1	-2.90838100	5.58729900	1.85310500	6	-4.98777200	1.58406500	-1.15670900
1	4.97472800	0.85037500	2.36493300	1	-4.33748700	1.65828600	2.90017700	1	-6.04511300	1.84287300	-1.24727200
1	4.36230000	-0.78581300	2.69664200	1	-4.47777900	4.13663700	3.13643000	6	-3.99755000	2.52830700	-1.35720400
27	-0.62304400	0.38030200	-1.27556800	1	3.41184300	-2.19724400	0.99953600	1	-4.24519400	3.56205200	-1.60329400
1	0.54135700	-0.01276000	-2.32697700	6	3.86809300	-4.31439900	1.46599600	6	-2.65245300	2.15052500	-1.28305600
6	0.30022700	1.98335700	-0.72781600	1	4.96618900	-4.24127600	1.50878800	1	-1.85416900	2.86894100	-1.48953300
6	-0.84383700	1.94344200	-0.12274500	1	3.59154100	-4.65623800	0.45105400	6	-3.22537800	-0.02316000	-0.69092000
6	1.62965400	2.54033000	-0.80400800	1	3.56422300	-5.10105000	2.17310300	6	-0.91480900	-1.07651600	1.24692000
6	2.48319200	2.26201500	-1.88858100	8	3.27921000	-3.09012200	1.81235400	6	0.44643500	-1.69025900	1.53984300
6	2.12795200	3.33969000	0.24626300	1	2.09830000	-3.04947700	1.57595600	1	1.19710600	-0.92458700	1.27888700

1	0.51068400	-1.79226000	2.63808800	6	1.93515300	3.59793900	0.55379300	6	-4.69845000	-2.14777100	0.81897400
6	1.87639000	-2.95025300	-0.02975800	6	0.14534300	2.66931500	1.89494500	1	-5.40382200	-2.97957900	0.76644300
1	1.72175600	-2.19197400	-0.81763700	6	2.02673300	4.67481100	1.42864700	6	-4.79467300	-1.21846500	1.83322200
1	1.87543100	-3.92188500	-0.55096200	6	0.26096800	3.73716100	2.77831200	1	-5.57672900	-1.30223000	2.59208800
6	3.22417400	-2.70331800	0.62433500	6	1.19814000	4.74659900	2.55094500	6	-3.88373400	-0.13726600	1.91998100
1	3.23288400	-1.75969400	1.19076200	1	2.34267200	-0.93827400	-2.99288200	6	-3.94961200	0.84039800	2.94352400
1	4.00747500	-2.61254400	-0.14233800	1	3.74106700	1.39959400	0.33729100	1	-4.73714600	0.77755900	3.69790400
1	3.52292000	-3.50490800	1.31336500	1	4.69005600	-1.52474500	-3.57124900	6	-3.02058200	1.86264000	2.95488800
6	0.33548200	-4.12724000	1.54850900	1	6.08378800	0.80537800	-0.22450300	1	-3.05060300	2.64747500	3.71251600
1	0.27397600	-4.95443100	0.82092500	1	6.57206500	-0.65816400	-2.18439600	6	-2.01584000	1.89357300	1.98257200
1	-0.69699600	-3.98841900	1.91966200	1	2.58658300	3.54589000	-0.32335000	1	-1.26250300	2.68625400	1.98503200
6	1.23018200	-4.53281300	2.70870500	1	-0.59881900	1.88586000	2.06396600	6	-2.84558300	-0.02011200	0.94479300
1	2.21551200	-4.87924400	2.36941200	1	2.75746900	5.46550100	1.23802500	6	-1.89952500	0.29935000	-1.97688100
1	0.77780800	-5.35348800	3.28263400	1	-0.39696800	3.78890400	3.64973600	6	-0.57814300	0.64575800	-2.63412000
1	1.39453800	-3.69964700	3.40811800	1	1.27926600	5.59002700	3.24092400	1	0.05656500	-0.24683500	-2.75275700
1	0.74668400	-0.39988700	-1.81828100					1	-0.76941900	1.06235200	-3.63866300
8	-1.50042400	-0.32878000	1.99610500					6	1.56777300	1.64611900	-2.03674800
6	1.51679800	0.64441700	-0.93744900	TS10				1	1.95249700	0.61562600	-1.96824600
6	0.85912800	1.45395800	-0.13154800	27	-0.03236400	0.61043700	0.29108600	1	2.03795900	2.18538700	-1.19875100
6	2.87777700	0.27724000	-1.29566100	7	-1.83613700	-0.78625500	-1.13292000	6	1.97687000	2.26316500	-3.35797900
6	3.17240000	-0.55365700	-2.39056900	1	-0.98234200	-1.34370100	-1.09588100	1	1.46808200	1.79623800	-4.21451300
6	3.95401500	0.76161600	-0.52514900	7	-1.88643000	0.97066200	1.01375300	1	3.05597100	2.12776500	-3.51239300
6	4.48577800	-0.88320900	-2.71006600	7	0.12566000	1.57386300	-1.73895200	1	1.78180900	3.34340700	-3.39635100
6	5.26550000	0.42435000	-0.84080100	6	-2.80559700	-0.96435600	-0.11772300	6	-0.52853000	2.89857500	-1.60235300
6	5.54050600	-0.39783000	-1.93608300	6	-3.70828000	-2.01072500	-0.16894400	1	0.20920300	3.54151300	-1.09647100
6	0.99430100	2.56650400	0.77209600	1	-3.64909000	-2.71421900	-1.00169400	1	-1.36412600	2.78401300	-0.89366500

6	-1.05883200	3.55130300	-2.86357500	1	-0.03667400	-5.36973700	-0.19103700	6	-1.58849000	0.61159200	-2.24891500
1	-1.42903000	4.55712600	-2.62312900	1	3.39199400	-3.97637900	-2.39673300	6	-0.63935400	1.79715100	-2.09283000
1	-1.91025000	2.98819100	-3.26749500	1	1.81871700	-5.81728100	-1.79771700	1	0.39952200	1.46924200	-2.26903400
1	-0.30652300	3.66077700	-3.65536000	8	-2.89437900	0.98584900	-2.09624200	1	-0.89754300	2.53909300	-2.86736100
1	1.02364100	1.54808800	0.98497500					6	0.30528600	3.39876600	-0.50295700
6	1.76393400	0.11845800	0.82258100					1	1.26787000	2.97114400	-0.81846100
6	1.15694400	-0.91511400	0.26916000	TS11				1	0.39341600	3.53689900	0.58727700
6	3.06433200	0.45583700	1.37767600	7	-1.35637600	-0.33717600	-1.29033400	6	0.09240200	4.73759300	-1.18039500
6	3.42900400	1.77499400	1.69305600	1	-0.21195400	-0.41455700	-0.82514700	1	-0.06843900	4.64502500	-2.26413700
6	4.01762300	-0.56284900	1.58330300	7	-1.76286000	-0.78443700	1.34442100	1	0.98383800	5.36405000	-1.04075300
6	4.69759000	2.07276800	2.18067100	7	-0.69840300	2.34363100	-0.72538500	1	-0.75462200	5.29428200	-0.75651200
6	5.28222200	-0.26430400	2.07571600	6	-2.25567500	-1.34231700	-0.95348200	6	-2.07503300	2.72331100	-0.31660000
6	5.63196200	1.05523100	2.37348000	6	-2.97174500	-2.09961900	-1.87149800	1	-1.97249400	3.30462200	0.61439300
6	1.37381000	-2.24641800	-0.23426600	1	-2.83230300	-1.90512800	-2.93408300	1	-2.59649300	1.78950200	-0.03335200
6	0.48578100	-3.30032300	0.07901600	6	-3.87614000	-3.08393400	-1.43565000	6	-2.93843300	3.45679100	-1.32601600
6	2.42610800	-2.52570000	-1.13685300	1	-4.42692900	-3.66436700	-2.17939200	1	-2.51194400	4.41276200	-1.65268200
6	0.65629000	-4.56962500	-0.46475600	6	-4.08110900	-3.31951100	-0.09230700	1	-3.91652800	3.67236200	-0.87546000
6	2.57322400	-3.79050700	-1.69633300	1	-4.78907800	-4.08049000	0.24412600	1	-3.12518700	2.84382300	-2.21769800
6	1.69511700	-4.82342100	-1.36206100	6	-3.38298200	-2.56035800	0.87670900	27	-0.39725000	0.57890900	0.57826600
1	2.68883400	2.56809700	1.54388000	6	-3.57743600	-2.72048400	2.27002800	6	1.92876700	-1.21179200	-0.97895800
1	3.74627000	-1.59663300	1.35248300	1	-4.27878800	-3.47831900	2.62828000	6	1.22514200	-0.41490400	-0.14082200
1	4.96041600	3.10767800	2.41415900	6	-2.89232800	-1.91234300	3.14958100	1	1.39661500	-1.63486100	-1.84559600
1	6.00588100	-1.06875400	2.22985400	1	-3.02660200	-2.00254900	4.22860800	6	1.68108900	0.43318400	0.95815600
1	6.62856100	1.28698600	2.75667200	6	-1.99547500	-0.95867600	2.64303500	6	2.61850900	1.49458100	0.78217700
1	-0.33639800	-3.10639400	0.77560400	1	-1.43355600	-0.31316700	3.32554200	6	1.08367300	0.29637000	2.25722200
1	3.12824000	-1.72653100	-1.39342500	6	-2.45347000	-1.56235200	0.44623800	6	2.87636100	2.40026900	1.79344800

1	3.13324100	1.57625200	-0.18036800	6	-3.24815800	3.11738000	0.71604800	1	-1.71259300	-2.63384900	-1.94321100
6	1.36118800	1.23964200	3.26661900	1	-4.09047500	2.80577000	1.33485300	1	-2.47529200	-1.04788800	-1.84589600
1	0.61440800	-0.65306900	2.52829300	6	-3.14017200	4.44561700	0.26797800	6	-3.86617900	-2.65022600	-1.63507100
6	2.22466400	2.30049500	3.03785600	1	-3.91099000	5.16847000	0.54288100	1	-3.98588200	-3.65058700	-1.20024800
1	3.59977700	3.20351900	1.62560700	6	-2.06171400	4.84192100	-0.49594300	1	-4.04915700	-2.73754000	-2.71421100
1	0.91400400	1.10602200	4.25673300	1	-1.96336900	5.87900600	-0.82580800	1	-4.64987800	-1.99729100	-1.22826300
1	2.43081700	3.02675700	3.82716500	6	-1.06280800	3.91305800	-0.87335000	27	-0.63401500	-0.27757600	-0.25861600
6	3.33441900	-1.61498800	-0.91490400	6	0.06757200	4.26264100	-1.65336700	6	2.14035500	0.43673500	1.02312500
6	3.92936600	-2.19161000	-2.05431400	1	0.19814500	5.29763400	-1.97730900	6	1.25749200	-0.54135800	0.68095600
6	4.13752900	-1.47583200	0.23520300	6	0.98647400	3.28542200	-1.98055500	1	1.72172900	1.24947200	1.63712900
6	5.26505900	-2.58072800	-2.06071300	1	1.87949900	3.51732500	-2.56292200	6	1.55747700	-1.75604400	-0.09071500
1	3.31980500	-2.32659700	-2.95310800	6	0.76800200	1.96652300	-1.56524300	6	2.05392700	-2.92801300	0.51345300
6	5.47189300	-1.86763500	0.22893300	1	1.49002900	1.18302700	-1.81749000	6	1.21248300	-1.82638100	-1.45844400
1	3.70338900	-1.07162700	1.15197400	6	-1.19094100	2.55304500	-0.45374100	6	2.19332300	-4.10657900	-0.21369300
6	6.04830100	-2.41588500	-0.91866200	6	-3.37618900	-0.00255300	0.53602300	1	2.32684200	-2.89747400	1.57220400
1	5.69804200	-3.01934400	-2.96368500	6	-3.04238900	-1.43309700	0.91870600	6	1.34075000	-3.01127100	-2.18292300
1	6.07007200	-1.75195600	1.13660500	1	-2.60078500	-1.45265800	1.92662900	1	0.84166900	-0.92085100	-1.96263400
1	7.09703800	-2.72203900	-0.91816100	1	-3.96474400	-2.03474200	0.90457600	6	1.83370000	-4.16018300	-1.56358700
8	-2.48325500	0.59467400	-3.07635000	6	-1.35504600	-3.15667400	0.53661100	1	2.58822900	-4.99952600	0.27830600
				1	-0.81501300	-2.81923300	1.43709000	1	1.06434200	-3.03309100	-3.24063200
				1	-0.58902200	-3.45704200	-0.19337600	1	1.94417300	-5.08815200	-2.12867100
				6	-2.23865900	-4.34032000	0.87171100	6	3.54282100	0.64868800	0.68456100
TS12				1	-3.04968800	-4.07990000	1.56683300	6	4.18183600	1.79645800	1.19998700
7	-2.32559000	0.84627900	0.83381300	1	-1.63480900	-5.11466700	1.36381800	6	4.30854600	-0.19841700	-0.14591600
7	-0.29134800	1.58239400	-0.84239900	1	-2.68728500	-4.80526200	-0.01661700	6	5.51059200	2.08564500	0.91158600
7	-2.00892300	-1.94608600	-0.00338900	6	-2.48755100	-2.06464400	-1.40482500	1	3.60641600	2.46925500	1.84293300
6	-2.28057100	2.18564500	0.38205000								

6	5.63818600	0.09263800	-0.43285100	6	-3.57842100	-3.22917900	-0.88175200	1	-3.28057000	4.77728000	0.03573400
1	3.85946300	-1.09513000	-0.57455000	1	-4.24131800	-4.05878200	-0.62316600	1	-2.90996100	3.98432200	-1.49297500
6	6.25025500	1.23264900	0.09169300	6	-3.39291100	-2.18984100	0.06259700	27	-0.39571800	0.70363800	0.49593300
1	5.97412000	2.98291500	1.32943800	6	-4.02203100	-2.16387500	1.33223900	8	0.18104200	1.64234500	2.35516700
1	6.20668500	-0.58195300	-1.07822300	1	-4.70548800	-2.96911000	1.61122500	6	0.17827100	1.13984200	3.64501100
1	7.29495500	1.45426000	-0.13833200	6	-3.76334400	-1.10921400	2.19162300	1	1.01096200	0.42865400	3.83300500
8	-4.37937300	0.32303900	-0.06606200	1	-4.24644300	-1.04566700	3.16814300	1	0.28819900	1.94312300	4.39836000
1	-1.67727200	0.53042100	1.62395400	6	-2.86017300	-0.11307600	1.80962800	1	-0.75608300	0.59528100	3.90240800
6	-0.12218400	-0.12926100	3.75389300	1	-2.62114200	0.71931800	2.47963900	6	2.93086300	0.65757400	0.39892600
1	-0.10844300	0.95374900	4.00173800	6	-2.51088900	-1.11635200	-0.26248600	6	1.66969900	0.22485400	0.67262800
1	-0.68336800	-0.62891500	4.56839600	6	-1.63598700	1.28620500	-1.97610200	1	1.02528000	1.04881400	1.61730100
1	0.92813700	-0.47648800	3.84371800	6	-0.64243200	2.42372900	-1.85701100	1	3.10412500	1.74220400	0.46508800
8	-0.65231300	-0.40459000	2.50636100	1	0.35332300	2.12967500	-2.22597100	6	1.18394900	-1.15566300	0.51964700
1	0.24916800	-0.52449600	1.58903400	1	-0.98977000	3.27847300	-2.46398500	6	0.39862600	-1.75063500	1.53537200
				6	0.72689400	3.46083600	-0.11330900	6	1.37026400	-1.89932500	-0.67349200
				1	1.54843000	2.86263800	-0.53717900	6	-0.17605800	-3.00962500	1.36089100
				1	0.84902600	3.40820400	0.97941500	1	0.25557100	-1.21813000	2.47995100
TS13				6	0.82632800	4.89189300	-0.60074600	6	0.79015100	-3.14875500	-0.84116500
7	-1.07253300	0.02381100	-1.83439300	1	0.62219300	4.98919200	-1.67783000	1	1.99352500	-1.47091300	-1.46651200
1	-0.09543700	-0.13003100	-2.07111500	1	1.84376600	5.27034700	-0.43162900	6	0.00667900	-3.71364300	0.17283500
7	-2.21729700	-0.11260800	0.63160000	1	0.14491700	5.56642600	-0.06496300	1	-0.77972900	-3.43989000	2.16466400
7	-0.51207400	2.72507600	-0.42610800	6	-1.72940100	3.30498600	0.19432600	1	0.94378400	-3.69456600	-1.77637900
6	-1.89299900	-1.09520500	-1.53942200	1	-1.41103200	3.64774000	1.19040100	1	-0.45562100	-4.69314000	0.03186400
6	-2.10595400	-2.11835200	-2.44504300	1	-2.43520100	2.47906800	0.37603700	6	4.14469600	-0.08909200	0.06472100
1	-1.62280200	-2.07467800	-3.42338500	6	-2.45680500	4.38768600	-0.57740700	6	5.19118600	0.57824500	-0.60166700
6	-2.93837600	-3.19882500	-2.10446500	1	-1.82302800	5.24091100	-0.85107700	6	4.35064000	-1.43985600	0.41115000
1	-3.09076600	-4.00734400	-2.82244800								

6	6.36933700	-0.07728500	-0.94573100	6	-3.24805600	-2.51607800	0.86857700	1	1.08508100	1.16843500	1.86141500
1	5.06373900	1.63515000	-0.85533700	1	-3.62418300	-3.44846700	1.29342700	6	-0.18317600	0.24266700	3.09238800
6	5.53208700	-2.09189600	0.07610900	6	-1.87177500	-2.27286800	0.87266300	1	0.07509500	0.78632200	4.01722600
1	3.58233100	-1.97478100	0.97253700	1	-1.18139600	-3.00289700	1.30688400	1	-1.06724300	0.73460600	2.64447600
6	6.54467000	-1.42032400	-0.61282300	6	-2.15334700	-0.20282400	-0.17536300	1	-0.48113100	-0.77686000	3.37825400
1	7.15980600	0.46519300	-1.47043900	6	0.59247100	0.66078000	-1.75391000	8	0.90392000	0.18981200	2.20721600
1	5.66999500	-3.13695100	0.36472500	6	2.08535700	0.76970500	-1.44975400	6	0.81402400	3.59212100	1.53394400
1	7.47041100	-1.93786800	-0.87462900	1	2.66219800	0.75527500	-2.38929600	1	0.93545400	4.40559900	0.78893200
8	-2.83337100	1.46173900	-2.03264800	1	2.28863800	1.69805800	-0.89727300	1	-0.24393800	3.65033300	1.87796900
				6	2.66305600	-1.59406600	-1.36076700	1	1.43344600	3.88646800	2.40526500
				1	3.61797600	-1.52459000	-1.91608300				
				1	1.87385600	-1.62341000	-2.12943800				
TS14				6	2.61471700	-2.84176600	-0.51329900	TS15			
27	0.56298900	-0.70530500	0.35790400	1	3.41392100	-2.87642800	0.24033500	27	-0.73208100	0.81400900	0.00070400
7	-0.17120000	1.11455200	-0.69483600	1	2.70712700	-3.74311600	-1.13281200	7	0.01766200	-1.17282700	0.60948500
7	-1.31345800	-1.15453200	0.37905300	1	1.64709100	-2.90726600	0.01993300	7	1.14848900	1.17470300	-0.20173900
7	2.43227200	-0.37129200	-0.56659600	6	3.51626200	-0.04122500	0.38297300	7	-2.49878100	-0.25063900	-0.52383900
6	-1.57732300	0.97485400	-0.72647400	1	3.55524700	-0.84111400	1.13869000	6	1.40109100	-1.17337200	0.35138700
6	-2.39911300	1.95325600	-1.26415800	1	3.17857900	0.85868000	0.91915100	6	2.19722200	-2.30704500	0.44362200
1	-1.93917800	2.84830200	-1.68779500	6	4.87651900	0.18354700	-0.23930700	1	1.73022600	-3.25790000	0.70047100
6	-3.79481500	1.79265900	-1.27420600	1	5.29148300	-0.72410800	-0.70091400	6	3.57915500	-2.22358000	0.20967200
1	-4.42306400	2.57634000	-1.70311600	1	5.59248000	0.50876100	0.52666400	1	4.19119100	-3.12467000	0.29125200
6	-4.37174400	0.64983400	-0.75745900	1	4.84915700	0.96917900	-1.00851600	6	4.16860200	-1.01652900	-0.11163300
1	-5.45625300	0.51649900	-0.77226900	8	0.16168700	0.14080700	-2.77113900	1	5.24564700	-0.94984500	-0.28422800
6	-3.57038700	-0.37421300	-0.19968700	1	0.35534700	1.81365300	0.07207300	6	3.38841100	0.15680900	-0.24204800
6	-4.10836600	-1.57067000	0.34186100	8	1.17235600	2.35767000	1.03359800	6	3.93896800	1.41455100	-0.60404700
1	-5.18933400	-1.72670900	0.33452500								

1	5.01543600	1.50437700	-0.76514800	1	0.86143200	1.36911300	2.70962900	1	-1.06186600	3.05610800	-0.09183000
6	3.09368800	2.49993700	-0.75481500	1	-0.27982200	0.85619400	3.97371200	6	-2.16948600	-0.04537300	-0.15080300
1	3.47984000	3.48254600	-1.03220900	1	-0.57105500	2.35236100	3.07025400	6	0.50973200	-2.29614200	-0.41657100
6	1.72130700	2.34116800	-0.55674400	8	-0.96538000	0.60416600	2.03316700	6	1.92739700	-1.83345100	-0.68312400
1	1.04082500	3.18860800	-0.68464500	1	-0.38228600	-0.47332800	1.49323500	1	2.61596100	-2.63248800	-0.36107100
6	1.97993500	0.07425700	-0.02409500					1	2.09093000	-1.66211400	-1.76087500
6	-0.86503800	-2.03125500	0.00292200					6	3.44474000	0.04685500	-0.39227100
6	-2.30602900	-1.54300700	0.17649000	TS16				1	3.50041800	1.02598600	0.10259900
1	-2.99959900	-2.31394700	-0.20355500	27	0.66563600	0.91128300	-0.85941100	1	3.35270100	0.26595600	-1.47019800
1	-2.50642400	-1.37564500	1.24425800	8	0.23072900	-3.20704200	0.33501900	6	4.71014100	-0.74817900	-0.13960600
6	-2.33982100	-0.42409900	-1.98487100	7	-0.42792000	-1.47981400	-1.00690700	1	5.55903800	-0.23736100	-0.61343700
1	-3.22722500	-0.94377400	-2.39765900	7	-1.27557600	1.00499300	-0.20928400	1	4.67200800	-1.76099900	-0.56547300
1	-1.49167200	-1.10576200	-2.15120100	7	2.15454900	-0.55559700	0.00607300	1	4.95143500	-0.83982300	0.92738900
6	-2.09959800	0.88519400	-2.70092400	6	-1.74743400	-1.34570800	-0.53702900	6	1.90973800	-0.61661100	1.46466200
1	-2.96819500	1.55691300	-2.67244100	6	-2.59427500	-2.43662200	-0.41916900	1	0.81391100	-0.63423000	1.60873600
1	-1.85922300	0.71199600	-3.75781500	1	-2.22640300	-3.42306000	-0.69974100	1	2.24451600	0.35241800	1.86404800
1	-1.24347900	1.42895400	-2.25802000	6	-3.90438900	-2.26202800	0.05488800	6	2.51833800	-1.77063800	2.23719400
6	-3.81365700	0.35519600	-0.22166300	1	-4.56220900	-3.12894200	0.14426400	1	2.25179700	-1.67675200	3.29846100
1	-4.60993000	-0.25397400	-0.69844900	6	-4.36658100	-1.00465600	0.38345700	1	3.61346800	-1.80112200	2.17932900
1	-3.83326900	1.33002100	-0.73224300	1	-5.39434100	-0.85965500	0.72494000	1	2.12457000	-2.73754900	1.89668400
6	-4.09303100	0.54685000	1.24931400	6	-3.52318000	0.12821600	0.28335300	1	0.77288600	3.71753500	-1.28568500
1	-4.37278000	-0.39114900	1.74775700	6	-3.96010300	1.43694300	0.59819900	5	1.55407800	2.81839400	-1.05951200
1	-4.93275900	1.24077200	1.38308800	1	-4.98929800	1.59741300	0.92672700	1	2.59223300	2.69934100	-1.66393900
1	-3.20911400	0.94515500	1.76807000	6	-3.07198900	2.48622200	0.45835200	1	0.66320800	1.10634200	-2.44041400
8	-0.58208000	-3.00288600	-0.67441400	1	-3.37312800	3.51604500	0.65734000	8	1.60653400	2.36841400	0.31835100
6	-0.21845100	1.30756800	2.96401700	6	-1.75959500	2.22921300	0.05636900	6	1.02457900	3.08017300	1.38095100

1	0.34047200	2.43433400	1.95452900	6	3.01362700	-1.38013800	0.36607100	6	-3.12841000	1.43580900	0.62676200
1	1.81735700	3.42854200	2.06155100	6	1.58014500	1.81906100	-0.52764800	6	-1.89728700	0.82909000	2.61827300
1	0.47051100	3.96568400	1.03142000	6	0.12263200	2.15105600	-0.86773500	6	-3.79213300	2.42643000	1.34456700
1	-0.12402200	-0.83556000	-1.75295600	1	-0.27123600	1.56478000	-1.71048400	1	-3.35686100	1.27676800	-0.43280200
				1	-0.52816900	1.93425400	-0.01273400	6	-2.58218600	1.80683600	3.32980700
				6	-0.02727300	3.91751200	-2.61724500	1	-1.14620900	0.21089600	3.11652700
TS17				1	-0.05247600	5.01354300	-2.70732900	6	-3.53233800	2.62144900	2.70378900
27	0.26130600	-0.86421800	-0.36582700	1	-1.00925800	3.54497200	-2.94785200	1	-4.53885700	3.04610000	0.83782000
8	2.34810700	2.80420200	-0.43551600	6	-0.90067000	4.37337000	-0.33848200	1	-2.36685800	1.94237700	4.39344700
7	1.79897100	0.52621800	-0.34908300	1	-1.90093200	3.98488900	-0.58725500	1	-4.06382400	3.39113900	3.26768000
7	1.80543100	-2.01637000	0.28646200	1	-0.85327800	5.41509000	-0.68928400	6	-0.61991800	4.27667900	1.13771400
7	0.08608300	3.61467000	-1.16263400	1	-0.39100800	-1.90527600	-1.30988200	6	1.10456800	3.33132500	-3.42054200
6	3.03429100	0.01431500	0.03998700	6	-1.42547100	-0.35232700	0.47225000	1	0.41087100	4.57422000	1.37629300
6	4.24729700	0.69647600	0.13552200	6	-1.55854400	-1.40477000	-0.31930000	1	-1.29983300	4.94358700	1.68087500
1	4.28077200	1.75791100	-0.09876500	6	-2.61059500	-2.34968100	-0.67045200	1	-0.79321800	3.26664600	1.53552500
6	5.41731100	0.01947200	0.52924700	6	-3.87714800	-2.23633900	-0.06353000	1	1.12307900	2.23425400	-3.38009400
1	6.35221400	0.58289600	0.58848600	6	-2.40994000	-3.39048500	-1.59139600	1	0.99305000	3.61680800	-4.47330000
6	5.41266200	-1.32536100	0.83674100	6	-4.89821700	-3.12690000	-0.37428200	1	2.08000900	3.69258500	-3.07020700
1	6.32870700	-1.83817400	1.13988300	1	-4.04369100	-1.43709900	0.66383200	1	1.07948300	3.84945200	-0.85445800
6	4.20316500	-2.05797900	0.76390500	6	-3.43404000	-4.27984000	-1.90465500				
6	4.09615700	-3.43685500	1.07047900	1	-1.42526000	-3.48535700	-2.06079600				
1	4.98759700	-3.98912200	1.37808100	6	-4.68374100	-4.15291900	-1.29812700	TS18			
6	2.86647200	-4.05924000	0.97386200	1	-5.87292600	-3.02246000	0.10917800	27	0.67473200	-0.29721300	0.30815800
1	2.75042700	-5.12005900	1.20392700	1	-3.25528600	-5.08148500	-2.62591700	7	2.05774000	0.97808500	-0.59910200
6	1.74745200	-3.31419100	0.57642000	1	-5.48740300	-4.85239300	-1.54052500	7	2.23784100	-1.45099600	0.50946000
1	0.76025100	-3.78021000	0.48782900	6	-2.16176800	0.59766200	1.24476000	7	-0.25551600	2.55300500	0.24287000

1	-0.47218900	1.33341100	0.23069600	1	0.27124800	0.97709100	2.49497000	1	-2.51705600	-0.04589600	-3.65573500
6	3.30259100	0.35600500	-0.66229400	6	-1.56972600	3.24771400	0.30711600	6	-4.70925300	-2.49839100	-1.61552800
6	4.47994700	0.85588900	-1.23413500	1	-1.37141800	4.31339800	0.52170900	1	-3.33173300	-2.17635300	0.00214200
1	4.45197800	1.82521200	-1.72231700	1	-2.09092200	2.83869400	1.18565000	6	-5.05343900	-2.20034300	-2.93629100
6	5.67979600	0.12423800	-1.19492200	6	-2.43328300	3.10992200	-0.92195600	1	-4.50614500	-1.08546300	-4.70482100
1	6.56867400	0.56322700	-1.65562300	1	-2.04531200	3.67843800	-1.77735700	1	-5.31184400	-3.20791000	-1.04275100
6	5.76269400	-1.11946800	-0.60547900	1	-3.43406700	3.50328800	-0.70248800	1	-5.92790700	-2.66545900	-3.39699700
1	6.69842200	-1.68271600	-0.58759900	1	-2.55099800	2.06103500	-1.22790400	8	2.62932700	2.83074500	-1.89940400
6	4.60567000	-1.67984100	-0.01882800	1	-0.92144400	0.02436800	-1.94753800				
6	4.59222100	-2.95523900	0.59767300	6	-1.25157300	-0.10504300	0.13423500				
1	5.51562700	-3.53897500	0.63042500	6	-1.61555100	-0.33913700	-1.17245400	TS19			
6	3.42254500	-3.44450600	1.13974900	6	-2.16251500	-0.26736700	1.28126900	27	-0.86443400	-0.27376600	1.02529100
1	3.38139600	-4.42584600	1.61490500	6	-3.44759300	0.31124700	1.30471400	7	-0.93895500	1.46471500	-0.15245000
6	2.26355600	-2.65937500	1.07359000	6	-1.72856800	-0.91844800	2.45111800	7	-2.82181700	-0.20417900	0.67064900
1	1.31776900	-3.02308000	1.48785800	6	-4.25145000	0.24033000	2.43890900	7	2.29052900	3.02005400	0.15614400
6	3.38354200	-0.94144900	-0.04665700	1	-3.81770600	0.81637200	0.40648100	6	-2.15149600	1.54545900	-0.82746500
6	1.86360000	2.18460600	-1.18887900	6	-2.53925900	-1.01269700	3.57914100	6	-2.47932600	2.40459000	-1.87943800
6	0.48354600	2.83188900	-1.00268400	1	-0.72115100	-1.35484600	2.46081400	1	-1.73398500	3.11319400	-2.23290900
1	0.62853400	3.91868400	-1.11063800	6	-3.80539100	-0.42602400	3.58249600	6	-3.75267700	2.35887400	-2.47407500
1	-0.15011700	2.50945400	-1.84219700	1	-5.24233600	0.70211700	2.42901300	1	-3.97103300	3.04260400	-3.29860400
6	0.54694900	2.85392300	1.45752700	1	-2.17645200	-1.53766500	4.46652600	6	-4.72299000	1.47647100	-2.04436200
1	0.49016600	3.94053800	1.64172000	1	-4.43895000	-0.48417600	4.47036300	1	-5.70908100	1.44727600	-2.51429900
1	1.59432400	2.62494600	1.22094600	6	-2.79286100	-0.99699400	-1.73515400	6	-4.44257700	0.59130500	-0.97717800
6	0.10999900	2.05517300	2.66154700	6	-3.14198100	-0.73244400	-3.07548100	6	-5.38285300	-0.34294200	-0.47084700
1	-0.95215200	2.18561100	2.91365900	6	-3.59778300	-1.91052700	-1.02275500	1	-6.37850400	-0.39568700	-0.91843900
1	0.69768800	2.34841300	3.54030700	6	-4.25788600	-1.31661000	-3.66589300	6	-5.02552000	-1.16617900	0.57555800

1	-5.72595300	-1.89335200	0.99046600	1	0.09921400	-0.07329700	4.89194600	1	3.37429200	-4.44368900	-2.32755200
6	-3.73418700	-1.06759500	1.11589800	6	2.41961100	-1.14715400	0.86040900	1	5.75531900	-3.72227300	-2.49096400
1	-3.42570500	-1.71136600	1.94636200	6	1.08452700	-1.21070700	1.09397500	8	0.10754200	3.36838900	-1.03992600
6	-3.15399600	0.62871600	-0.36899400	1	0.66138500	-0.37205500	2.19008900				
6	0.01259700	2.37243700	-0.28250400	1	2.98111400	-0.40486800	1.45553600				
6	1.17954000	2.17439500	0.68387800	1	1.71522300	3.61151300	-0.51924900	TS22			
1	0.90713700	2.49901100	1.69750600	6	0.06774600	-2.03241300	0.41625900	27	0.15889200	1.30999500	-0.46674300
1	1.49081200	1.12705200	0.76494600	6	-0.63936600	-3.06566500	1.09744200	8	1.09623400	-2.43143800	1.50875700
6	2.91276200	3.88191400	1.19595000	6	-0.36454700	-1.70580600	-0.90572300	7	0.08649300	-0.63975100	0.38950800
1	3.37727900	3.21325100	1.93677100	6	-1.72018600	-3.70250400	0.50489400	7	-1.80787200	0.93861700	-0.61915100
1	2.07705400	4.38321200	1.70307700	1	-0.31242300	-3.34997800	2.10200100	7	2.84391200	-0.37163600	-0.60441800
6	3.89053300	4.89031400	0.65056800	6	-1.46625000	-2.34869000	-1.47606600	6	-1.19680800	-1.16970400	0.34344300
1	4.81844400	4.43587900	0.28132000	1	0.20168100	-0.97139400	-1.48497700	6	-1.61477300	-2.44002700	0.75918000
1	4.17355300	5.59008500	1.44606500	6	-2.15842200	-3.33500500	-0.77636000	1	-0.88210600	-3.11527000	1.19193900
1	3.44981200	5.48460600	-0.16233800	1	-2.24582700	-4.48907000	1.05366200	6	-2.95892100	-2.83934800	0.64455800
6	3.27660700	2.22316800	-0.63947500	1	-1.78878700	-2.06335400	-2.48129100	1	-3.23171300	-3.84275200	0.98235400
1	3.81064800	1.57716400	0.07592400	1	-3.02500500	-3.82530100	-1.22497800	6	-3.93357400	-2.00297700	0.14264300
1	4.00438200	2.93574600	-1.05126400	6	3.28784000	-1.89640100	-0.04485100	1	-4.97761800	-2.31764900	0.07709200
6	2.63256800	1.41739300	-1.73748100	6	4.64445700	-1.52202900	-0.14031500	6	-3.57245500	-0.70378000	-0.28311700
1	1.95593500	0.64792500	-1.34034700	6	2.85677300	-2.97031900	-0.85162100	6	-4.50489800	0.24146600	-0.77468500
1	3.41271500	0.89288200	-2.30280000	6	5.52266200	-2.16282000	-1.00862600	1	-5.55920200	-0.03906900	-0.84409200
1	2.06699800	2.05267100	-2.43180800	1	5.00939900	-0.70891500	0.49724600	6	-4.07978900	1.50001600	-1.14408300
8	0.03295000	0.42971000	2.87157000	6	3.73610300	-3.61318900	-1.71602300	1	-4.78007100	2.25229400	-1.51062000
6	-0.52235600	-0.19038700	3.98187600	1	1.82149600	-3.30963600	-0.79309200	6	-2.71332300	1.80712300	-1.05424500
1	-1.52028700	0.22264200	4.22267200	6	5.07132700	-3.21292400	-1.80834200	1	-2.33781100	2.79245400	-1.34881900
1	-0.66145400	-1.28641500	3.83807700	1	6.56821800	-1.84711000	-1.05692400	6	-2.20457700	-0.29975500	-0.20339600

6	1.10340300	-1.33717300	0.94098300	1	-1.05225900	1.34558400	2.45685300	1	1.73521100	-0.56345300	2.23345900
6	2.46140400	-0.63433400	0.81297100	1	2.17849100	0.44827800	-0.87972200	1	0.10138500	-0.79600900	1.56371500
1	2.43792200	0.35031200	1.30595300					6	3.05902600	-1.19819800	-0.06913100
1	3.23369200	-1.25854100	1.28210900					1	3.22423000	-0.28288800	-0.66051200
6	2.54132500	-1.50313900	-1.53077200	TS23				1	3.29648800	-2.03072700	-0.74964800
1	2.86704400	-1.17140900	-2.52765700	27	0.64743000	-0.01406900	-1.35690300	6	3.98272400	-1.18842700	1.13066000
1	1.44551100	-1.57900300	-1.56357400	7	0.01582800	1.51806500	0.29742600	1	3.86306000	-0.26445700	1.71174600
6	3.17232700	-2.81322500	-1.13324400	7	-1.19648500	-0.59846000	-1.02451500	1	5.02594100	-1.21324000	0.78819000
1	2.80559900	-3.15753400	-0.15680200	7	1.60462100	-1.30002800	0.20003500	1	3.83890700	-2.04281200	1.80655700
1	4.26994600	-2.76749700	-1.10677200	6	-1.29491000	1.12000900	0.64121200	6	1.07898600	-2.66861300	0.20358300
1	2.90308700	-3.58081600	-1.86917900	6	-2.00346600	1.81527600	1.61884100	1	1.26435300	-3.08695100	-0.80039800
6	4.24323400	0.11572600	-0.76193200	1	-1.50700200	2.63255200	2.14687400	1	-0.01607600	-2.58845000	0.29234300
1	4.36588800	0.32530600	-1.83518600	6	-3.33143500	1.47632600	1.91684100	6	1.62156300	-3.60148900	1.26625400
1	4.91554600	-0.72172500	-0.51880300	1	-3.86665300	2.03377800	2.68903900	1	2.68863300	-3.82065500	1.12166000
6	4.56039600	1.33808100	0.05809800	6	-3.96397400	0.44743800	1.24275900	1	1.08853400	-4.56163400	1.23949500
1	3.84438800	2.14882700	-0.12865300	1	-5.00026700	0.18554500	1.47051400	1	1.49614500	-3.18892900	2.27861500
1	5.56162900	1.69918300	-0.20715900	6	-3.28242400	-0.28194300	0.24105500	1	1.65532000	0.53136800	-2.50891700
1	4.56434500	1.13358300	1.13648200	6	-3.86938500	-1.35178300	-0.48438700	8	2.22870500	1.58473300	0.84547100
1	1.05747800	3.92405500	-0.20936900	1	-4.90188900	-1.64184400	-0.27770000	1	1.96160300	2.77096900	0.32528000
5	1.10473100	2.94269300	0.49509800	6	-3.11388700	-2.00495800	-1.44657000	8	1.31408500	3.56319600	-0.16943300
1	2.10795000	2.67986800	1.13369400	1	-3.53250000	-2.83033300	-2.02581100	1	0.47229700	2.84617400	-0.05134100
1	1.54153100	1.74652800	-1.12109000	6	-1.80042300	-1.60504400	-1.68917500	6	1.65068400	3.64299200	-1.55639700
8	-0.13705900	2.62735000	1.14284300	1	-1.19493500	-2.10378100	-2.45288900	1	1.65452800	2.63486500	-2.00638500
6	-0.16096800	1.98669700	2.39275500	6	-1.92978700	0.06578600	-0.06272000	1	0.91665900	4.27839300	-2.06702800
1	0.73066300	1.35685500	2.55631000	6	1.12283800	0.95197900	0.81495900	1	2.64139300	4.10268500	-1.65619600
1	-0.20681400	2.73300500	3.20194500	6	1.12453000	-0.47614400	1.31668000				

				6	2.85882000	-1.37511800	-0.00701000	1	4.62636900	0.13566900	-0.39868700
TS24				1	3.15487300	-1.02076800	-1.00786200	6	5.02983100	-1.80327600	0.47600600
27	0.79145400	0.22496600	-1.59296200	1	2.44108800	-2.38425100	-0.15894500	1	6.10921200	-1.63652700	0.48128200
7	-0.04817700	1.81123100	-0.49775600	6	4.08540100	-1.43185300	0.88609300	6	4.51779000	-3.00525100	0.91780300
1	0.46296300	2.97280500	-0.82633900	1	4.51116400	-0.43334600	1.06162700	1	5.18085100	-3.78877500	1.29177600
7	-0.99327600	-0.58563800	-1.22448500	1	4.87029100	-2.01776200	0.38839000	6	3.12134000	-3.24990100	0.87397100
7	1.73491200	-0.51875000	0.40922900	1	3.90999900	-1.89163200	1.86604900	6	2.51278600	-4.46164100	1.28092300
6	-1.17591000	1.32425800	0.18321200	6	0.82803100	-1.10416500	1.39932900	1	3.13067100	-5.27472800	1.66785700
6	-1.84493300	2.03327500	1.17236200	1	0.30954000	-1.95194500	0.91880100	6	1.13832800	-4.59239200	1.16750900
1	-1.44865700	2.99807900	1.49621000	1	0.04371000	-0.35939800	1.60024800	1	0.63565700	-5.51314000	1.46892200
6	-3.02164700	1.51522800	1.74533700	6	1.42322800	-1.54914700	2.72237100	6	0.37813900	-3.54172800	0.64326300
1	-3.52793600	2.08471400	2.52806100	1	2.04252500	-2.45034100	2.62418400	1	-0.70452500	-3.63614100	0.51282300
6	-3.54362800	0.30464500	1.33096900	1	0.62003700	-1.78917200	3.43264800	6	2.26587700	-2.22083800	0.38604100
1	-4.45872100	-0.08998800	1.77883900	1	2.04096200	-0.76408400	3.18399000	6	1.95927400	1.23743300	-0.29077100
6	-2.89942800	-0.44291700	0.31543600	1	2.13997700	0.32531800	-2.46145200	6	0.92436700	2.16797000	-0.83832700
6	-3.35893500	-1.69538000	-0.16646000	8	1.74461300	2.97415800	-0.55483900	1	0.37333900	1.62285600	-1.63780500
1	-4.27114900	-2.13191700	0.24675400					1	0.18291000	2.29242700	-0.03171300
6	-2.63944900	-2.34202400	-1.15393700					6	1.88931600	3.49880500	-2.60488000
1	-2.96708400	-3.30472500	-1.55011900	TS25				1	2.24004500	4.52445100	-2.80351900
6	-1.46646900	-1.76034500	-1.65471800	27	-0.07662200	-0.85484200	-0.59504500	1	1.05551600	3.32031800	-3.32441200
1	-0.88117000	-2.26243900	-2.43122800	8	2.89154100	1.83303500	0.44185800	6	0.54321000	4.55864500	-0.87085700
6	-1.70602700	0.08133100	-0.25776500	7	1.85527000	-0.04421400	-0.48378300	1	-0.48073300	4.42554600	-1.29029200
6	1.31981900	1.80308000	-0.22105000	7	0.91038300	-2.37584400	0.26181000	1	0.94412300	5.46208500	-1.35732900
6	2.09375900	0.87799000	0.66802300	7	1.42556700	3.45878100	-1.23052100	1	-1.06559400	-1.62868300	-1.50661500
1	3.15266300	1.06465000	0.44341700	6	2.80170400	-0.96528400	-0.01735000	6	-1.47841100	0.15469200	0.30272800
1	1.95875300	1.15781700	1.73334900	6	4.18439200	-0.77878300	0.00572200	6	-1.98968500	-0.78488200	-0.46611900

6	-3.27909900	-1.39415500	-0.75357000	1	0.02951900	3.92388400	1.15608000	1	3.49289500	-0.35962800	-1.00594300
6	-4.42853200	-0.92221100	-0.08842100	1	2.68116700	1.47362500	-2.80437200	6	1.92748600	2.49441900	-0.45850900
6	-3.42810500	-2.45531700	-1.66100600	1	3.39402400	2.65047800	-3.90450600	6	-1.42911300	1.66599700	0.09093500
6	-5.67393200	-1.48950900	-0.33115300	1	3.84473900	2.67041400	-2.18431500	6	-2.54802300	0.87086600	-0.56602900
1	-4.32476800	-0.10392400	0.62915300	1	3.45342500	1.15549100	0.85769400	1	-2.39393200	0.92005300	-1.66768700
6	-4.67660700	-3.01976300	-1.90597600					1	-2.41015900	-0.18323300	-0.28850600
1	-2.53728200	-2.82809600	-2.17681900					6	-4.36783300	2.44615700	-0.82523700
6	-5.80599900	-2.53980600	-1.24300600	TS26				1	-5.37784800	2.64736100	-0.43203300
1	-6.55283800	-1.10993500	0.19592700	27	0.42919700	0.14861700	-0.19606600	1	-4.50376700	2.26354100	-1.91849000
1	-4.76968800	-3.84262100	-2.61922100	8	-1.52142500	1.97532300	1.34047600	6	-4.82979800	0.15016100	-0.32809500
1	-6.78620500	-2.98319700	-1.43331300	7	-0.40144200	1.99636700	-0.68426100	1	-4.82914700	-0.21628200	-1.38259300
6	-1.81062400	1.24826200	1.16931600	7	2.13291600	1.16108200	-0.68226700	1	-5.83411900	0.57634700	-0.17347200
6	-2.71324200	2.26032500	0.76309000	7	-3.88214300	1.24778500	-0.15746000	1	1.26083100	-0.80250900	1.84992500
6	-1.18309800	1.40193500	2.42696700	6	0.56897300	2.91865600	-0.32633500	6	-0.29405700	-1.48610800	0.54299900
6	-2.98474800	3.35034100	1.58351000	6	0.32643100	4.23856700	0.04118300	6	1.03723800	-1.45673900	0.98463700
1	-3.19693900	2.17323800	-0.21431300	1	-0.70322900	4.57158100	0.18172700	6	2.18312000	-2.30382700	0.61691400
6	-1.48074200	2.48107000	3.25201200	6	1.39262400	5.14207000	0.20526400	6	2.19835300	-3.11998500	-0.53061600
1	-0.46335600	0.64304300	2.74793700	1	1.16656600	6.17387300	0.48475600	6	3.34998600	-2.25559800	1.40126400
6	-2.38131500	3.46578200	2.83812300	6	2.70677300	4.76187100	0.01143200	6	3.33112300	-3.85344500	-0.86885600
1	-3.68504900	4.11781000	1.24237100	1	3.52353700	5.47675400	0.13122700	1	1.31564500	-3.16381500	-1.17261900
1	-0.99506900	2.56245700	4.22810900	6	3.00385800	3.41866400	-0.32114700	6	4.48323800	-2.99001900	1.06274300
1	-2.60344100	4.31907300	3.48265200	6	4.31110500	2.90629500	-0.50688700	1	3.36037900	-1.61945100	2.29198400
6	0.46778000	4.78091300	0.62251400	1	5.16667500	3.58186600	-0.42585600	6	4.47988900	-3.79481900	-0.07620700
6	3.00966300	2.52119800	-2.88407400	6	4.49252300	1.56586600	-0.77668300	1	3.31953200	-4.47683900	-1.76635900
1	1.46913600	4.95550200	1.04063300	1	5.48971100	1.14814600	-0.92309400	1	5.37529100	-2.93334200	1.69166100
1	-0.16524900	5.64697900	0.85887700	6	3.37376100	0.71589700	-0.83888800	1	5.36686500	-4.37192800	-0.34743700

6	-0.95062600	-2.56705700	-0.18824900						1	2.65678000	0.26519300	0.49362100
6	-1.51936800	-2.36475200	-1.46260900						6	3.96010600	3.29849300	0.16831100
6	-1.13007800	-3.83164900	0.40973300	TS27					1	4.81103800	3.62391700	-0.45235300
6	-2.23242500	-3.37164400	-2.10697000	27	-0.05469000	0.04190400	0.74540700		1	4.31498900	3.37184400	1.22445800
1	-1.38082100	-1.39678100	-1.95807600	8	1.09610000	1.56695500	-1.44200300		6	4.85036000	1.07967700	-0.19479500
6	-1.85251900	-4.83310900	-0.23079600	7	0.21232400	2.08239300	0.65200600		1	5.20537000	0.86671900	0.84084600
1	-0.69508500	-4.01367400	1.39699700	7	-2.00852800	0.60516500	1.00490100		1	5.65642800	1.66992100	-0.65976600
6	-2.41127000	-4.61118000	-1.49151400	7	3.66593400	1.92565200	-0.19815500		1	-0.95922300	-0.23375800	-1.59011900
1	-2.65351000	-3.18617800	-3.09852400	6	-0.98993700	2.58722200	0.16522400		6	0.79959100	-1.10465100	-0.78392700
1	-1.98122900	-5.80192500	0.25900700	6	-1.11631100	3.80089400	-0.49659300		6	-0.55693800	-1.11542400	-1.05722900
1	-2.97907700	-5.39940200	-1.99070300	1	-0.21494500	4.35709100	-0.76048300		6	-1.60265000	-2.14018200	-0.86484900
6	-4.63741800	-1.01097600	0.62003800	6	-2.38909800	4.31967500	-0.80384800		6	-1.42046500	-3.34036700	-0.14947300
6	-3.50247700	3.66953300	-0.63012600	1	-2.45418200	5.27966100	-1.32096200		6	-2.89179200	-1.86811500	-1.36088100
1	-4.66165300	-0.67563700	1.66503400	6	-3.54600300	3.65036800	-0.45811200		6	-2.48281100	-4.21718900	0.05359200
1	-5.43542900	-1.75117200	0.47077100	1	-4.52829600	4.06593100	-0.69243900		1	-0.43915600	-3.58833800	0.25863600
1	-3.68456100	-1.54002700	0.47399300	6	-3.46179600	2.39266500	0.18608700		6	-3.95203300	-2.74838300	-1.16434600
1	-2.54179500	3.58896100	-1.15991300	6	-4.58087300	1.60117100	0.54498100		1	-3.05479400	-0.93107200	-1.90477400
1	-4.00630100	4.55957900	-1.03028000	1	-5.58767900	1.98110600	0.35283500		6	-3.75293700	-3.93036000	-0.45147100
1	-3.29425000	3.84226400	0.43495300	6	-4.39087400	0.36118400	1.11369400		1	-2.31549900	-5.14104000	0.61309400
1	-1.88023100	1.03695000	1.86322000	1	-5.23430300	-0.27430400	1.38750500		1	-4.94018800	-2.50854900	-1.56608700
6	-1.58515100	-0.54896400	3.52908000	6	-3.07953500	-0.11274200	1.30901800		1	-4.58024500	-4.62576100	-0.29129600
1	-0.77195900	0.08973400	3.92250200	1	-2.90508000	-1.11884600	1.70365000		6	1.54497000	-2.21931800	-0.23180200
1	-2.45098000	-0.43935300	4.20077500	6	-2.17456900	1.85510300	0.47356500		6	1.96051000	-2.21964200	1.12108800
1	-1.24584700	-1.59652500	3.59404600	6	1.19833400	1.66801900	-0.12483300		6	1.99045400	-3.29746800	-1.03245800
8	-1.94063000	-0.23056300	2.21439400	6	2.54194200	1.36120900	0.51229800		6	2.73678600	-3.24481000	1.65483900
1	-1.21814100	-0.74757900	1.45693000	1	2.49700300	1.65904400	1.58319800		1	1.64745300	-1.38792800	1.77502700

6	2.78364100	-4.30752400	-0.50259900	1	4.17818200	-2.20047500	2.77585700	1	-1.13822900	4.40243500	1.03049200
1	1.69575100	-3.32543400	-2.08520100	6	4.34277300	-1.06206000	0.96307500	1	0.58713300	4.72840000	0.82666500
6	3.16319500	-4.29695500	0.84410700	1	5.43295800	-0.99794200	0.99671300	1	0.04552900	3.66270800	2.13081400
1	3.02075000	-3.21444200	2.71027000	6	3.65207700	-0.44615100	-0.10567900	8	-1.95733500	-0.91905000	1.57465500
1	3.11054500	-5.12576500	-1.15049700	6	4.29345700	0.28173400	-1.14390600	1	-2.39635900	-1.80671300	0.88070900
1	3.78889100	-5.09340300	1.25196600	1	5.38240700	0.36868100	-1.14773400	8	-2.07509200	-0.93264900	-1.64324200
6	4.67665000	-0.21335400	-0.95945800	6	3.52231200	0.86920100	-2.13042700	6	-2.83997700	-0.51029200	-2.72121700
6	2.79847300	4.24498700	-0.03663400	1	3.98312900	1.43553300	-2.94230100	1	-2.21555900	-0.16080700	-3.56450800
1	4.31152100	-0.01789500	-1.97783400	6	2.13027900	0.74184700	-2.09472900	1	-3.46823200	-1.32794500	-3.12129900
1	5.63331100	-0.74765200	-1.03414700	1	1.50820200	1.20434500	-2.86771000	1	-3.52727700	0.32347100	-2.46494500
1	3.96820600	-0.90695600	-0.48355600	6	2.22867300	-0.53907800	-0.14510200	6	-4.34333000	-2.24740900	0.15294200
1	1.98856300	4.07419100	0.68725300	6	-0.72982900	-0.60519100	1.34249100	1	-4.88759400	-2.72471600	-0.67663200
1	3.12253800	5.28692600	0.08848900	6	-0.38735000	0.84547800	1.63911400	1	-4.62196900	-1.17660300	0.17401700
1	2.38213700	4.13522100	-1.04902400	1	-0.86227900	1.20069300	2.57021300	1	-4.69791100	-2.70251200	1.08926700
1	1.32371700	0.57976900	-1.59453200	1	0.69953300	0.97636300	1.74373100	8	-2.96033800	-2.44104700	0.01404500
				6	-2.28023200	1.81733000	0.33875500	1	-2.58119800	-1.80770100	-0.85655400
				1	-2.73756300	0.89470000	-0.05336100				
				1	-2.41294400	2.57713700	-0.44894700				
TS29				6	-3.00555400	2.21716800	1.60632500	TS30			
27	-0.43695000	-0.14384000	-0.95059600	1	-3.03790900	1.38152500	2.31835900	7	0.77279000	-0.72038400	-0.96567200
7	0.13622000	-1.41374100	0.75734800	1	-4.04656800	2.47632500	1.36970000	7	0.66436000	0.88685300	1.30360500
7	1.47796800	0.06272900	-1.13461300	1	-2.55664600	3.08390800	2.11071300	7	3.49134200	-2.76544500	0.02525500
6	1.51468300	-1.24497800	0.86481600	6	0.00170700	2.76543000	0.14498800	6	1.52020500	0.46691200	-0.88812200
6	2.24034600	-1.82543000	1.90537800	1	-0.22971700	3.07327600	-0.88919700	6	2.28717600	0.89338900	-1.96426400
1	1.69559800	-2.37489600	2.67605200	1	1.04925500	2.42398700	0.12122400	1	2.32674200	0.26623200	-2.85837500
6	3.63951600	-1.73003300	1.94944200	6	-0.13987400	3.94590100	1.08385200	6	2.99782500	2.10798400	-1.91996000

1	3.58778700	2.41123300	-2.78786700	1	5.41549000	-1.93440800	1.98965400	6	-1.04986700	4.81792200	-0.84512100
6	2.96359100	2.90657600	-0.79696300	1	5.19303900	-3.39058600	2.97444300	1	-3.04499000	-2.82634400	1.22731600
1	3.52066300	3.84529300	-0.75676500	1	3.86465600	-2.24215000	2.78695400	1	-4.99372400	0.64643100	-0.38242400
6	2.19612500	2.51443900	0.32559900	8	0.84859800	-2.97956400	-1.11636300	1	-5.20495700	-4.09528500	1.10558100
6	2.11430200	3.27314000	1.51801800	1	0.03373200	-2.60167700	-2.04578500	1	-7.14345900	-0.60126900	-0.51023300
1	2.66859600	4.21184900	1.59360000	8	-0.61557000	-1.85438900	-2.63669600	1	-7.25242300	-2.97636700	0.23370000
6	1.33366300	2.82228900	2.55965600	1	-0.10843700	-1.06014200	-1.98321400	1	-2.37230300	3.05599300	1.76128300
1	1.24809000	3.38420000	3.49069200	6	-1.96925500	-2.05343100	-2.25095800	1	-1.08885700	1.64949100	-2.10929500
6	0.60728200	1.63050600	2.40118000	1	-2.03800700	-2.34620100	-1.19090800	1	-1.73304200	5.36778300	1.12881200
1	-0.06272200	1.27684100	3.19174000	1	-2.54307200	-1.12777500	-2.39555800	1	-0.45817900	3.96064700	-2.74030700
6	1.45373900	1.29583300	0.26913300	1	-2.41147400	-2.84096200	-2.87518200	1	-0.76433000	5.83553800	-1.12054400
6	1.27731000	-1.91674200	-0.59159000	27	-0.77608100	-0.52623400	0.90768800				
6	2.34153900	-2.03652000	0.47768300	1	-0.84571300	-2.07898700	1.27246200				
1	2.56285500	-1.03052200	0.89586100	6	-2.63855500	-0.28221900	0.49496100	TS31			
1	1.85518700	-2.59960900	1.29187800	6	-2.04193200	0.83584500	0.26029600	7	-0.67814300	1.30732000	0.88391900
6	4.26008800	-2.11464500	-1.01307600	6	-3.88396400	-1.01757000	0.43425700	1	-0.44117200	0.32370900	1.74117500
1	3.55409300	-1.83842900	-1.81918300	6	-3.95886500	-2.35642100	0.85093800	7	1.26766200	1.76007900	-0.94856700
1	4.92511200	-2.86865900	-1.46718000	6	-5.04790800	-0.39590800	-0.05679900	7	-4.29768000	0.39340300	1.04449800
6	5.07156600	-0.88657800	-0.62038800	6	-5.16127100	-3.05367500	0.77796500	6	-0.41506600	2.62406900	0.52002500
1	4.46259000	-0.14655400	-0.07758200	6	-6.24775500	-1.09633300	-0.12681600	6	-1.08792100	3.71923500	1.04998300
1	5.47164400	-0.37890500	-1.51028900	6	-6.30918100	-2.42772100	0.28999000	1	-1.89577900	3.55131400	1.76617200
1	5.92866900	-1.14447100	0.01780400	6	-1.78606200	2.18720900	-0.13130600	6	-0.71494800	5.03115100	0.70493800
6	4.20778000	-3.50511600	1.04283200	6	-1.95411700	3.25837900	0.77181900	1	-1.26411300	5.87050300	1.13693800
1	5.05667500	-4.00393300	0.54711100	6	-1.23793100	2.47074500	-1.40205000	6	0.34827200	5.26672300	-0.14186200
1	3.55259700	-4.32285900	1.39461200	6	-1.59133300	4.55335800	0.41346500	1	0.65269100	6.28603400	-0.38934300
6	4.69837200	-2.72354800	2.25417400	6	-0.88123600	3.76812300	-1.75092600	6	1.06310000	4.18129200	-0.70287600

6	2.16589400	4.33915800	-1.57794900	27	0.41717600	-0.09175400	-0.79619900				
1	2.50852100	5.34555700	-1.83068000	1	-1.01472400	-0.34580700	-1.48312200				
6	2.79091100	3.22472500	-2.09290800	6	0.80822400	-1.92102700	-0.44230500				
1	3.64843500	3.31275300	-2.76130000	6	1.80467400	-1.19387000	-0.03456500	Cat.A ^S			
6	2.30448800	1.94969800	-1.75851000	6	0.20736400	-3.23072300	-0.54212400	6	-1.73471700	1.00936400	-0.63170800
1	2.77226600	1.04670600	-2.16228400	6	-0.87752200	-3.47498100	-1.40050200	6	-1.27435900	1.59743000	0.68863700
6	0.65868500	2.84840800	-0.39077600	6	0.71500300	-4.29999100	0.22248700	8	-2.01684800	2.17371300	1.45635500
6	-1.84595600	0.68670800	1.10237600	6	-1.43142500	-4.74748600	-1.49841000	7	0.02436800	1.21127500	1.06975800
6	-3.13792700	0.96712600	0.42389300	6	0.15017400	-5.56760400	0.13085500	6	1.20864300	1.27118300	0.25289900
1	-3.26136600	2.06121400	0.36187000	6	-0.92324400	-5.79757400	-0.73219100	6	1.62575300	2.42415400	-0.39969400
1	-2.93751700	0.65110300	-0.63084100	6	3.13148200	-1.09091700	0.51695600	6	3.24109500	0.08306800	-0.43203500
6	-5.53881600	1.02916800	0.64321800	6	4.06941000	-2.13273600	0.35927100	6	2.85013600	2.40598800	-1.09050300
1	-5.42274600	2.11607000	0.79962700	6	3.53740800	0.06701600	1.20924900	1	1.01565300	3.32921800	-0.35406400
1	-6.32093000	0.71754300	1.35576000	6	5.35557500	-2.01643900	0.87569000	6	3.64597600	1.27446500	-1.08954800
6	-6.01528700	0.76924000	-0.77801300	6	4.81926500	0.17143200	1.73950700	1	3.18386200	3.30499700	-1.61334700
1	-5.25861400	1.05450300	-1.52453400	6	5.73633300	-0.86730300	1.57182600	1	4.60363500	1.27738900	-1.61628600
1	-6.92651100	1.34211400	-1.00141300	6	-1.27093100	-2.63530000	-1.98042900	27	-0.41037700	-0.85349000	0.77093500
1	-6.25235200	-0.29242300	-0.93892900	1	1.55342800	-4.11603100	0.89957600	1	0.19250900	1.47659200	2.04300100
6	-4.33755900	-1.07049300	1.12061600	1	-2.27258200	-4.92206100	-2.17437000	6	1.97924500	0.09011200	0.23066900
1	-5.39052200	-1.34455200	1.29365000	1	0.54963500	-6.38461600	0.73687600	6	3.98357500	-1.12395100	-0.41585100
1	-3.79313600	-1.39809700	2.02054100	1	-1.36385100	-6.79484100	-0.80519800	6	3.43165600	-2.23277600	0.21356200
6	-3.78739200	-1.82220200	-0.07718400	1	3.77133400	-3.03364300	-0.18338500	6	2.16628400	-2.17389500	0.79322200
1	-4.29277600	-1.55837800	-1.01860800	1	2.81690900	0.88168600	1.33055400	1	4.96122400	-1.16905000	-0.89903000
1	-3.89689600	-2.90567800	0.06933700	1	6.06877400	-2.83336000	0.73931800	1	3.97818500	-3.17760000	0.25149900
1	-2.71165800	-1.63338400	-0.21786000	1	5.10904400	1.07335600	2.28442900	1	1.70280800	-3.04731400	1.25236900
8	-1.60425800	-0.28163500	1.88737200	1	6.74539000	-0.78198800	1.98164000	7	1.41558400	-1.04442900	0.79788600
								7	-2.03720900	-0.40646800	-0.35248700

1	-2.59767200	1.58353100	-1.01029900	6	-1.61300300	2.31975200	-0.40954500	1	2.76506400	-0.67239600	2.27314400
1	-0.93637900	1.04352700	-1.38854200	1	-0.92943200	3.10715300	-0.71286800	1	1.28693600	0.08157100	1.66711400
6	-2.02703500	-1.25042500	-1.56459200	6	-2.93687800	2.62484100	-0.04023500	6	2.93774000	1.46267300	1.89062300
1	-2.03867500	-2.29093200	-1.21114000	1	-3.25395400	3.67065400	-0.07051900	1	4.03073900	1.51768300	1.80182300
1	-1.03418600	-1.11177700	-2.02141200	6	-3.84016900	1.65446100	0.34953800	1	2.68175100	1.72395200	2.92527100
6	-3.21597800	-0.61414400	0.53289100	1	-4.86430200	1.91563300	0.62644600	1	2.50055200	2.23529900	1.24403000
1	-3.44034600	-1.68895000	0.47486100	6	-3.43876600	0.29790600	0.38085800	1	1.42529700	-1.74215700	-1.54383300
1	-2.88206100	-0.44496300	1.57115900	6	-4.28074500	-0.78472800	0.74641500	8	1.16435800	2.53569200	-0.84764200
6	-3.12063100	-0.99648700	-2.57962700	1	-5.31498400	-0.59026600	1.03905000				
1	-3.17202200	0.05807400	-2.88928000	6	-3.77539000	-2.07225200	0.71504600				
1	-2.93004600	-1.58763800	-3.48523300	1	-4.39828100	-2.92725300	0.98509200	Cat.C ^S			
1	-4.11282100	-1.29020400	-2.21076600	6	-2.44651700	-2.29349500	0.33703500	27	0.61417900	-0.19373300	-1.37910600
6	-4.43848300	0.23904600	0.26663400	1	-2.02898800	-3.30512500	0.31472300	7	-0.31243900	-1.76541600	-0.62421700
1	-4.80370200	0.16845600	-0.76629600	6	-2.10324600	-0.00911900	0.00765900	7	-0.99554200	0.79203800	-0.78244600
1	-5.25545200	-0.08434300	0.92518800	6	1.16103700	1.30533700	-0.80918700	7	2.02437800	0.57299900	0.11996400
1	-4.24527500	1.29559100	0.49497800	6	2.50994600	0.59253100	-0.87178100	6	-1.46947000	-1.36497800	0.03782100
1	-0.72043200	-2.33152600	0.73073100	1	2.60564800	0.03774500	-1.81710000	6	-2.26644000	-2.20307800	0.81569100
				1	3.30088000	1.34873500	-0.80306000	1	-1.95190900	-3.23727100	0.97070900
				6	3.88078800	-1.25355300	0.05845600	6	-3.48059700	-1.73601300	1.34908500
Cat.B ^S				1	3.79915500	-1.69823400	-0.94614500	1	-4.09815000	-2.42168600	1.93476700
27	0.07533100	-1.42164900	-0.78905100	1	3.76912200	-2.08469400	0.77130600	6	-3.92943700	-0.44466700	1.11915500
7	0.09471600	0.47766400	-0.67965800	6	5.19359700	-0.54158300	0.25541700	1	-4.89370200	-0.10983400	1.50823600
1	1.83697100	-1.10946200	-0.05348400	1	5.30837000	0.32205900	-0.41335700	6	-3.13633500	0.45233200	0.36844500
7	-1.61380700	-1.29529400	-0.00263100	1	6.01965600	-1.22977100	0.03551800	6	-3.48385200	1.79510400	0.06159800
7	2.66538800	-0.41690800	0.20500900	1	5.33113500	-0.19582300	1.28865400	1	-4.44906600	2.19173400	0.38593900
6	-1.17494400	0.99316700	-0.38779400	6	2.38584700	0.09330300	1.57993800	6	-2.59264900	2.58325800	-0.64031000

1	-2.83070100	3.62067200	-0.88240000						1	1.85376100	-1.12659600	-1.69408100
6	-1.34241000	2.06224900	-1.01225400	IM1 ^S					1	1.68610200	-2.33151400	-2.96298000
1	-0.58921700	2.69643700	-1.49172200	27	-0.34729300	0.40849000	-0.18068500		6	3.28908400	-2.72280700	-1.55737300
6	-1.89067500	-0.01936400	-0.13354900	7	-1.21629700	-1.61833600	0.16016100		1	3.53340000	-2.57361900	-0.49438300
6	0.93253800	-1.51483100	-0.08658200	7	-2.24186800	0.80848300	-0.35304400		1	4.04400300	-2.16442900	-2.12870300
6	1.31124900	-0.46653500	0.92777000	7	0.78219400	-2.82195800	-1.16708800		1	3.42512500	-3.78945800	-1.78337300
1	1.92500300	-0.85047200	1.76647100	6	-2.59764800	-1.42871400	0.40125300		6	0.18764600	-4.02298300	-1.73176700
1	0.41573900	-0.00237100	1.36669900	6	-3.42835200	-2.40844900	0.91574800		1	-0.16039100	-3.78331500	-2.75118000
6	3.42267300	0.22363200	-0.22380300	1	-3.01222300	-3.37574500	1.19834300		1	-0.73183500	-4.23290600	-1.15437700
1	3.38301700	-0.47500600	-1.07138400	6	-4.80353700	-2.15084900	1.07542600		6	1.05072000	-5.27318800	-1.77154200
1	3.87889700	1.14824800	-0.61239400	1	-5.44493400	-2.93369700	1.48543300		1	1.88039300	-5.17427700	-2.48478000
6	4.28040300	-0.38284600	0.86943100	6	-5.34829500	-0.93813200	0.70748300		1	0.45929100	-6.14543900	-2.08284900
1	3.94396200	-1.39750400	1.12108000	1	-6.41889000	-0.75078000	0.81795800		1	1.48314200	-5.50727000	-0.78750100
1	5.31450200	-0.47490400	0.50992000	6	-4.52402700	0.09024100	0.19022200		1	-0.25932300	0.10126300	-1.61756100
1	4.30808400	0.20759900	1.79514200	6	-4.99915100	1.36568600	-0.20223200		8	-0.66392400	-2.70465600	2.11367100
6	1.85239200	1.93440200	0.63431600	1	-6.06583200	1.58947800	-0.12894800		6	1.39631500	0.76057100	0.34714700
1	2.18508400	2.62719900	-0.15711500	6	-4.10107500	2.30193600	-0.67091900		6	0.74085400	1.85457000	-0.02087200
1	0.76819400	2.10009300	0.74067400	1	-4.43198700	3.29113700	-0.99123800		6	2.69909000	0.32175600	0.80133200
6	2.54851600	2.27257900	1.93836400	6	-2.73342600	1.99108600	-0.72686800		6	3.86040700	0.62539200	0.06229800
1	3.64234600	2.28457700	1.83735100	1	-2.00137300	2.72586700	-1.07247300		6	2.84768500	-0.45180900	1.97031700
1	2.24670600	3.27142900	2.28274700	6	-3.12510900	-0.15546900	0.06706900		6	5.11114700	0.17522000	0.47436400
1	2.29096700	1.56161000	2.73730200	6	-0.39754900	-2.41214400	0.97121600		6	4.10220900	-0.88844900	2.38703100
1	1.60487600	-0.92436900	-2.25027400	6	0.88574900	-2.82154200	0.27010400		6	5.24046000	-0.58169000	1.63985700
8	1.89137300	-2.48738000	-0.18210600	1	1.65426800	-2.09922000	0.58631000		6	0.81704500	3.29149100	-0.17055700
1	1.64134600	-3.03115000	-0.94320900	1	1.19493900	-3.78720000	0.71556600		6	1.80849400	3.89295800	-0.96928800
				6	1.89630200	-2.21359300	-1.88744200		6	-0.11762900	4.12978300	0.46790300

6	1.86143700	5.27569700	-1.11964300	1	-2.34454300	4.01179700	0.53861900	1	3.71952400	0.41976000	-2.76447300
6	-0.05195200	5.51237800	0.32769100	6	-3.52674800	2.26955100	0.13796900	1	5.47437400	0.56686700	-2.84856200
6	0.93512900	6.09268500	-0.47063000	1	-4.47641800	2.81005800	0.15403400	1	4.52764700	1.78470200	-1.97239300
1	3.76302300	1.21227300	-0.85490700	6	-3.53689000	0.87231000	-0.09383100	1	0.77102900	-2.39391900	0.90576500
1	1.95811400	-0.69946000	2.55738300	6	-4.70656800	0.09573700	-0.30308100	1	2.63684200	1.63990500	-0.08968200
1	5.99608600	0.42110600	-0.11836300	1	-5.68626100	0.57703300	-0.30912900				
1	4.19165900	-1.47675300	3.30372200	6	-4.56999800	-1.27112400	-0.49113700				
1	6.22350400	-0.93001600	1.96469100	1	-5.44509600	-1.90212200	-0.65961400	IM3 ^S			
1	2.53496400	3.25693800	-1.48045400	6	-3.30782200	-1.86658000	-0.47479300	27	-0.74403900	0.12230500	-0.15117100
1	-0.89071900	3.67529900	1.09432500	1	-3.19180800	-2.94372900	-0.62630400	8	1.45444100	-3.47506300	0.16512400
1	2.63802600	5.72143700	-1.74626500	6	-2.28748200	0.19858300	-0.09958400	7	-0.23423700	-1.84244000	0.12416800
1	-0.77765400	6.14461300	0.84559500	6	1.27459000	0.43748100	-0.13448100	7	-2.53439600	-0.63077200	-0.02114600
1	0.98273200	7.17794300	-0.58559800	6	2.39898500	-0.51104400	-0.42972200	7	3.33043200	-1.89447700	-0.45042600
1	-0.89940100	-1.67473800	-0.82438500	1	2.15856800	-1.49867400	0.00837600	6	-1.33788400	-2.67152600	0.27136300
				1	2.42263000	-0.66129200	-1.52189200	6	-1.35828400	-4.05183000	0.48230700
				6	3.99822200	-0.34424900	1.37495700	1	-0.41746200	-4.59374500	0.54219200
IM2 ^S				1	4.89423900	0.22156600	1.67925100	6	-2.58203400	-4.73234200	0.62215500
27	-0.47351200	-1.77365700	0.16582200	1	4.29623900	-1.41435400	1.37096200	1	-2.56262400	-5.81266000	0.78822100
8	1.64248700	1.71088400	-0.10087700	6	2.87940600	-0.13423200	2.36921600	6	-3.79448400	-4.07540800	0.56388300
7	0.05215800	0.02803000	0.02733400	1	2.56920700	0.91994000	2.41627500	1	-4.73655900	-4.61543200	0.68433400
7	-2.16853200	-1.16733100	-0.27701200	1	3.20872500	-0.42603300	3.37461700	6	-3.82329500	-2.67639200	0.35193800
7	3.65519200	0.08482300	0.01422900	1	1.99255800	-0.74493100	2.13380400	6	-5.01371800	-1.91078700	0.29256600
6	-1.07098400	0.89243100	0.10323600	6	4.76600900	-0.09344000	-0.91734100	1	-5.97910100	-2.40985700	0.40827800
6	-1.09758000	2.26568600	0.33291900	1	4.92159500	-1.16778000	-1.15154100	6	-4.93281000	-0.54866800	0.09435300
1	-0.17959600	2.82116100	0.50120600	1	5.67887400	0.22736900	-0.39150800	1	-5.82977900	0.07146300	0.04955700
6	-2.33526600	2.93538300	0.35168400	6	4.60960500	0.70945500	-2.18764900	6	-3.67566100	0.05582800	-0.06399400

1	-3.58412900	1.13252300	-0.23012900	6	1.89120000	1.88426400	0.28948000	7	-3.44058500	-1.85785700	0.34879300
6	-2.58865300	-1.98236900	0.19708900	6	2.72170600	2.02431300	-0.84537700	6	1.25206800	-2.69344500	-0.29179100
6	1.00471500	-2.30910000	0.06794700	6	2.49505000	2.04719200	1.55505700	6	1.23118800	-4.04539400	-0.62577400
6	2.03615300	-1.21285800	-0.15977200	6	4.07583600	2.32332100	-0.71853200	1	0.28517900	-4.55359000	-0.79017300
1	1.74276300	-0.54005300	-0.97542600	1	2.27405200	1.90377100	-1.83695300	6	2.43430600	-4.76609300	-0.75426500
1	2.14284500	-0.58124300	0.72999600	6	3.85106800	2.34311900	1.67723500	1	2.38424900	-5.82446200	-1.02036200
6	3.66267700	-1.87009600	-1.90514600	1	1.87583600	1.93665900	2.45027900	6	3.65973300	-4.16946500	-0.54931500
1	4.61927000	-2.40204800	-2.01621800	6	4.65513800	2.48184300	0.54368200	1	4.58627200	-4.74022400	-0.64617300
1	3.84269400	-0.81528600	-2.16658700	1	4.68729100	2.44455700	-1.61785600	6	3.72921900	-2.79733700	-0.20878800
6	4.46069400	-1.42111800	0.39881100	1	4.28525100	2.47339700	2.67265300	6	4.94258400	-2.10603300	0.02976600
1	4.55806600	-0.33645100	0.22897000	1	5.71615000	2.72297700	0.64146900	1	5.89133000	-2.64196600	-0.04883500
1	5.36942600	-1.89987000	0.00527800	6	4.26237700	-1.75020300	1.85491000	6	4.89932800	-0.76925900	0.36570900
1	-0.68131500	-0.10602000	-1.59866700	6	2.58671800	-2.49456800	-2.75535300	1	5.81234500	-0.20730200	0.56948800
6	0.51395900	1.47396300	0.15143200	1	4.13126200	-2.82915200	2.01692200	6	3.66100900	-0.11410900	0.44980500
6	-0.71769900	1.94798000	-0.04350600	1	5.14188700	-1.42850200	2.42542700	1	3.59825200	0.94320700	0.72000600
6	-1.39391600	3.22586000	-0.12192700	1	3.39520300	-1.23438400	2.28682900	6	2.51650400	-2.05992100	-0.09503300
6	-1.05858400	4.29176100	0.73738900	1	1.63663800	-1.94586300	-2.70061700	6	-1.07844300	-2.19920100	-0.11092700
6	-2.41544400	3.43860900	-1.06824700	1	2.90448700	-2.49238700	-3.80484500	6	-2.15819800	-1.19219300	0.15643700
6	-1.72296200	5.51113200	0.65675200	1	2.38912100	-3.53358800	-2.46091900	1	-1.84547200	-0.55320800	1.00069600
1	-0.26644400	4.14359000	1.47664800	1	3.04985900	-2.88534800	-0.18794400	1	-2.19491900	-0.49751100	-0.69669600
6	-3.06692700	4.66547700	-1.15802100					6	-3.81448200	-1.92720500	1.76434600
1	-2.67026200	2.62306800	-1.75171700					1	-4.79638300	-2.42387000	1.81922600
6	-2.72960000	5.70622800	-0.29170500	IM4 ^s				1	-3.96515200	-0.90364600	2.16898200
1	-1.45043700	6.32233100	1.33713700	8	-1.52439800	-3.42131900	-0.34299100	6	-2.81003800	-2.67659000	2.60868400
1	-3.84774100	4.81165000	-1.90908800	7	0.16199700	-1.83155500	-0.10754100	1	-2.67863300	-3.71240800	2.26430200
1	-3.24732900	6.66623100	-0.35537500	7	2.49971800	-0.72524600	0.21452200	1	-3.14200100	-2.71516400	3.65400000

1	-1.82001800	-2.19617500	2.60918900	1	-1.70271600	2.08950700	-2.39164000	1	-5.26608500	-1.28459500	-1.33907700
6	-4.51282500	-1.29559600	-0.47929100	1	-4.63028100	2.64018800	1.58831800	6	-3.30912000	-1.68318700	-2.16325400
1	-4.63384600	-0.21146900	-0.27592600	1	-4.06498600	2.78776500	-2.68041600	1	-3.66580900	-1.99174400	-3.14725600
1	-5.45073700	-1.77386000	-0.15600500	1	-5.54878300	3.06430100	-0.69370700	6	-1.92836600	-1.63704800	-1.92007300
6	-4.30393600	-1.53256200	-1.95597100	1	0.01938000	4.23273700	1.20033800	1	-1.21474800	-1.87336100	-2.71379400
1	-3.39684300	-1.04096500	-2.33605600	1	3.19055000	2.46065200	-1.10693500	6	-2.25870800	-0.97416400	0.27966200
1	-5.14408100	-1.12490900	-2.53314500	1	1.25726300	6.38666100	1.25029700	6	0.22566600	-2.10609700	1.62101300
1	-4.22668700	-2.60542400	-2.18672600	1	4.42185200	4.61835000	-1.07847400	6	1.69887300	-2.11963700	1.25887600
1	-2.51229800	-3.31197200	-0.20165000	1	3.46541300	6.58795500	0.11203100	1	2.22099800	-1.22594200	1.63593200
27	0.74414100	0.10988700	0.22389300					1	2.17705600	-3.00923200	1.70462700
1	0.58875000	-0.12343800	1.66364800					6	3.10569200	-1.67361400	-0.69443300
6	-0.45386000	1.49548600	-0.05817600					1	3.32476400	-0.71224300	-0.20813800
6	0.80036800	1.93387200	0.04003800	IM5 ^S				1	2.98924100	-1.43985700	-1.76365900
6	-1.81097100	1.96566600	-0.23748200	27	0.42002700	-0.45166200	-0.63999900	6	4.25804800	-2.63320300	-0.48075000
6	-2.66706200	2.12248000	0.87253900	7	-0.32702800	-0.84341700	1.74825000	1	4.34986500	-2.95653800	0.56686100
6	-2.34803300	2.20962800	-1.51709800	1	0.27821400	-0.02454400	1.78928900	1	5.20042800	-2.13342600	-0.74338000
6	-3.99199100	2.51699400	0.70881400	7	-1.39599700	-1.25996300	-0.75482400	1	4.18756700	-3.53164900	-1.10866600
6	-3.67629400	2.59943100	-1.67585500	7	1.77121800	-2.08759700	-0.21253900	6	1.26118000	-3.31914000	-0.86769300
6	-4.50869400	2.75554500	-0.56655000	6	-1.72318000	-0.66352900	1.56075600	1	1.57585700	-3.24159400	-1.92024300
6	1.52262100	3.19030800	0.05337800	6	-2.54922600	-0.24363600	2.58237200	1	0.16295400	-3.26124100	-0.87671000
6	0.99106700	4.31999500	0.70690000	1	-2.11359900	-0.01674000	3.55709700	6	1.65969600	-4.65218900	-0.26533900
6	2.77275400	3.32366300	-0.58037200	6	-3.93866900	-0.13371200	2.37520600	1	1.28823300	-5.46182400	-0.90798700
6	1.68646300	5.52474700	0.73276000	1	-4.57762800	0.21312000	3.18951000	1	1.19534600	-4.79409500	0.71930600
6	3.45892100	4.53463500	-0.56781800	6	-4.49099500	-0.49444900	1.16679700	1	2.74323000	-4.79027500	-0.16204800
6	2.92291300	5.63975200	0.09485500	1	-5.57109700	-0.44054300	1.01033200	1	0.71455200	-0.52115300	-2.07307500
1	-2.26883800	1.92964400	1.87364700	6	-3.67202400	-0.93243900	0.09618700	6	1.29798000	1.18323600	-0.30510000
				6	-4.18705800	-1.30324700	-1.16976600				

6	0.00722300	1.36092900	-0.51333400	IM6 ^S				1	0.36857600	3.15935800	1.89700500
6	2.54341500	1.86397500	-0.03061900	7	-0.57529100	0.14975800	-1.69864400	6	0.55034700	4.87410400	0.59927000
6	3.63026000	1.80048100	-0.92693600	1	0.39044400	0.10928000	-2.02666000	1	0.58227400	5.13521600	-0.46920000
6	2.72460800	2.58677100	1.16728500	7	-2.06950900	-0.45515300	0.41837300	1	1.46782000	5.27194800	1.05390300
6	4.83039400	2.44541700	-0.64540700	7	-0.60962000	2.65477100	0.13685800	1	-0.29176000	5.41426500	1.05343600
6	3.93221900	3.21858800	1.45086900	6	-1.36081900	-1.03064800	-1.79047200	6	-1.97135400	3.04152300	0.56814900
6	4.99275800	3.15438400	0.54646600	6	-1.36200800	-1.87837000	-2.87757300	1	-1.89213300	3.25231700	1.64674300
6	-1.04454400	2.34695300	-0.58193500	1	-0.70630600	-1.67380000	-3.72641800	1	-2.62011800	2.15599400	0.48258500
6	-2.26821700	2.05940300	-1.21897100	6	-2.22575200	-2.99370400	-2.89291500	6	-2.63472100	4.18897200	-0.16858300
6	-0.89718600	3.61632300	0.01761600	1	-2.21130700	-3.66825600	-3.75119200	1	-2.03242700	5.10654000	-0.18961800
6	-3.29985000	2.99169800	-1.24852200	6	-3.10219500	-3.21799200	-1.85330800	1	-3.58839100	4.43342900	0.31830800
6	-1.93103500	4.54551600	-0.01212000	1	-3.78778200	-4.06830700	-1.87930500	1	-2.87241600	3.90686500	-1.20293800
6	-3.14014100	4.23823700	-0.64107600	6	-3.12244700	-2.36060800	-0.72368900	27	-0.29694000	0.46328800	0.40993500
1	3.50586500	1.24731200	-1.86181400	6	-3.98372100	-2.53620300	0.38853400	6	2.60102100	0.45321000	-0.54439100
1	1.89659900	2.64529500	1.88086100	1	-4.70407100	-3.35721500	0.39131700	6	1.53329400	0.24138400	0.25929900
1	5.65147400	2.39450000	-1.36536900	6	-3.89012600	-1.65823300	1.44715200	1	2.50819800	1.21627000	-1.33596200
1	4.04501500	3.77145700	2.38716100	1	-4.54581100	-1.74765400	2.31490000	6	1.06175200	-0.66864100	1.25901900
1	5.93851200	3.65386300	0.76785800	6	-2.91971100	-0.64299200	1.42759200	6	0.34460500	0.04787700	2.31017500
1	-2.39173700	1.08842300	-1.70595400	1	-2.81100100	0.03498700	2.27785400	6	0.98052900	-2.10085900	1.19565000
1	0.04869700	3.86215300	0.50796600	6	-2.20784100	-1.27408800	-0.67987900	6	-0.38455500	-0.73548300	3.26200600
1	-4.23917100	2.74334500	-1.75036400	6	-1.25426500	1.39555200	-1.77483100	1	0.74857200	1.00863600	2.66016900
1	-1.79417500	5.52239200	0.45906300	6	-0.43012000	2.58187200	-1.31717700	6	0.21669900	-2.79084100	2.10275200
1	-3.95197800	4.96914200	-0.65967100	1	0.64225600	2.43289800	-1.51520800	1	1.52441200	-2.62585000	0.40374100
8	-0.44558400	-3.11555300	1.66480400	1	-0.75895600	3.48812100	-1.85954500	6	-0.47544200	-2.09939500	3.14281500
				6	0.47313700	3.37714000	0.82192800	1	-0.86976300	-0.23382100	4.10604400
				1	1.41363300	2.89226500	0.51665800	1	0.14547400	-3.87981100	2.04224600

1	-1.05276300	-2.67478000	3.87186200	6	-3.38374300	-2.69787700	-1.36480700	1	2.01887500	4.62118900	2.11568700
6	3.92388700	-0.16241000	-0.48477900	1	-3.75066800	-3.68607800	-1.65031900	1	1.56362300	2.92261700	2.24048000
6	4.88266500	0.16010600	-1.46596100	6	-2.00116400	-2.41662300	-1.46968300	1	0.43176600	1.29363300	2.07113900
6	4.30887600	-1.06911300	0.52404600	6	-1.03221000	-3.32645000	-1.95646800	6	1.88432900	0.69843400	0.58614300
6	6.15577300	-0.40116200	-1.45185000	1	-1.34541600	-4.32523400	-2.27184900	6	0.73321000	0.45163900	1.43060200
1	4.61095200	0.86895100	-2.25468800	6	0.28783500	-2.93901900	-2.03933200	6	3.01267000	-0.20216100	0.25981400
6	5.58183800	-1.62744100	0.53776400	1	1.05492000	-3.61175000	-2.42565400	6	3.49284600	-1.18631200	1.14157300
1	3.59706600	-1.32559100	1.31234500	6	0.66625400	-1.66415100	-1.58487200	6	3.71904700	-0.02189900	-0.94564900
6	6.51533500	-1.30259100	-0.44995900	1	1.71620900	-1.36031700	-1.57910400	6	4.59435300	-1.97679400	0.81613500
1	6.87508700	-0.13139700	-2.22967200	6	-1.54097400	-1.12779800	-1.07814600	1	2.99962000	-1.31851000	2.10783300
1	5.85295900	-2.32539800	1.33435800	6	-2.41749900	2.16408200	0.17173900	6	4.82379400	-0.80297000	-1.27104100
1	7.51401700	-1.74490000	-0.43471400	6	-1.38477800	3.22371600	0.54681100	1	3.37286200	0.74810000	-1.64397200
8	-2.44081200	1.46865300	-2.01217700	1	-1.79171600	4.23465100	0.35992800	6	5.26338000	-1.79655800	-0.39386400
				1	-1.23080500	3.14372900	1.63335200	1	4.94124500	-2.73428100	1.52397800
				6	-0.24132300	3.30748300	-1.58558100	1	5.34517500	-0.63855300	-2.21777400
				1	-0.19074300	4.39983300	-1.75454600	1	6.12655800	-2.41621500	-0.64721300
IM7 ^s				1	-1.24999500	2.98972000	-1.88248300	6	0.06205800	-0.77977000	1.87642900
27	0.12663400	0.97281800	-0.34905400	6	0.78534600	2.57791100	-2.42031800	6	-1.12046600	-0.62063200	2.62960900
7	-1.81546900	1.07944400	-0.37620500	1	1.81901000	2.83474000	-2.15272100	6	0.42007900	-2.09750800	1.52814200
7	-0.21061800	-0.79192600	-1.09687300	1	0.64969800	2.81646200	-3.48407500	6	-1.91116900	-1.70283200	2.99737800
7	-0.08865600	3.02914700	-0.12969700	1	0.68290600	1.47645000	-2.33926300	1	-1.43533200	0.39230300	2.90204800
1	2.28402100	1.71699100	0.70966300	6	0.95537100	3.93962700	0.40062700	6	-0.37134000	-3.18237800	1.89365400
6	-2.44761700	-0.10961500	-0.65341400	1	0.67226500	4.97178800	0.11406700	1	1.31677700	-2.27944100	0.93595900
6	-3.80567000	-0.42503800	-0.57210900	1	1.88244400	3.71874100	-0.15068100	6	-1.54339600	-2.99675800	2.62704500
1	-4.50571500	0.34011400	-0.24203000	6	1.22182100	3.90196700	1.88572200	1	-2.82731400	-1.53345000	3.56825400
6	-4.24720800	-1.71594600	-0.91541100	1	0.35099300	4.20035500	2.48399000	1	-0.06783200	-4.18910500	1.59331500
1	-5.31449700	-1.93848400	-0.83648900								

1	-2.16487200	-3.85091300	2.90511700	6	-1.99732000	2.03399700	-0.43161800	6	-1.47433100	-1.57389700	0.55514100
8	-3.60162500	2.34044500	0.42661200	1	-2.63598200	2.84362100	-0.03482600	6	-1.01348000	-1.84870300	-0.86101100
				1	-2.19649600	1.97423500	-1.51080200	8	-1.69884100	-2.38550300	-1.70353400
				6	-2.48210100	0.94693900	1.64917600	7	0.20338400	-1.20120500	-1.20139300
IM8 ^s				1	-3.39098500	1.55556300	1.83186000	6	1.45147100	-1.33715500	-0.48788400
27	-0.62818400	-0.39603300	-0.00450600	1	-1.62592700	1.56226400	1.96470600	6	2.03437500	-2.55790600	-0.17952400
7	0.21221500	1.26476400	-0.12606400	6	-2.51017100	-0.31971600	2.47021600	6	3.36820900	-0.11799400	0.42802700
7	1.08531700	-1.10055700	0.02259900	1	-3.34981800	-0.98333800	2.21189900	6	3.29311800	-2.56306600	0.44685400
7	-2.32986600	0.73276900	0.19116300	1	-2.62316500	-0.07751100	3.53562300	1	1.52424500	-3.49040800	-0.43173800
1	-2.11467400	-2.48861100	0.80256100	1	-1.56106500	-0.86846700	2.34620700	6	3.94805900	-1.37792800	0.73029800
6	1.59305400	1.21275400	-0.10607900	6	-3.55323200	0.15211300	-0.39282300	1	3.76062200	-3.51663000	0.70173200
6	2.51547700	2.25832600	-0.16170900	1	-4.40796600	0.83985800	-0.23416600	1	4.92636700	-1.39615900	1.21715200
1	2.15538200	3.28336500	-0.22709200	1	-3.78809700	-0.75827100	0.17849600	27	-0.44689200	0.66718600	-0.57373900
6	3.89092200	1.96491900	-0.12990500	6	-3.39418800	-0.19801500	-1.85462500	1	0.33507600	-1.26748600	-2.21456800
1	4.60276300	2.79360600	-0.17412000	1	-3.46470000	0.67466100	-2.51661500	6	2.08455200	-0.11556000	-0.19112700
6	4.36615700	0.66851400	-0.03864300	1	-4.16869300	-0.90638800	-2.17778400	6	3.95057700	1.13540300	0.73548800
1	5.43919600	0.46488800	-0.00680000	1	-2.40170700	-0.65388400	-2.01324100	6	3.22196400	2.28636000	0.45818300
6	3.45801200	-0.41678700	0.02146300	8	-0.14561400	3.55549800	-0.35414600	6	1.95345900	2.21519600	-0.11201900
6	3.83865800	-1.77950800	0.13260300	8	-1.56120600	-2.21027400	0.06375200	1	4.93719900	1.18094900	1.19978100
1	4.89666000	-2.04847400	0.16813200	6	-1.66853200	-3.10944800	-1.02563800	1	3.63212200	3.27151900	0.69009200
6	2.84840000	-2.74163100	0.20491600	1	-1.41397200	-4.13806800	-0.72706600	1	1.35311500	3.10830800	-0.29084900
1	3.10053200	-3.79965300	0.30432100	1	-2.67713400	-3.10106400	-1.46906000	7	1.36842500	1.04305600	-0.45596000
6	1.49828300	-2.37602300	0.15100100	1	-0.94867700	-2.77111000	-1.78018100	7	-1.92731200	-0.17585800	0.55399300
1	0.71593600	-3.13405900	0.22001400					1	-2.25280100	-2.30137400	0.84061100
6	2.06992600	-0.12443700	-0.02390100					1	-0.64133100	-1.66153000	1.26944700
6	-0.52326600	2.39285600	-0.27462200	IM9 ^s				6	-1.91323300	0.46063000	1.88660800

1	-1.97770500	1.54134100	1.69452700	6	-1.81267300	-1.15634300	-0.82452400	6	2.34909600	-0.21092000	1.57040800
1	-0.90310900	0.28929900	2.29255900	6	-2.73785300	-2.08454200	-1.25978300	1	1.30707100	0.06684200	1.80768900
6	-3.16076700	0.07542400	-0.23816100	1	-2.42622800	-2.93164700	-1.87474100	1	2.93590300	0.70992200	1.71108800
1	-3.45662000	1.10450900	0.01008700	6	-4.08412000	-1.92313000	-0.88244700	6	2.78963900	-1.30022300	2.52969100
1	-2.86974400	0.11269400	-1.30377000	1	-4.82798700	-2.64189200	-1.23193600	1	2.76502100	-0.92029900	3.55992600
6	-2.96636900	-0.00626900	2.86749100	6	-4.46670600	-0.88076400	-0.05908700	1	3.80785800	-1.66422000	2.33678200
1	-2.96476800	-1.09809100	3.00756200	1	-5.51151300	-0.77540600	0.24322000	1	2.10488200	-2.15881100	2.49404100
1	-2.78059500	0.44412900	3.85177300	6	-3.52766400	0.07253000	0.40917700	1	0.78577500	2.48402200	-2.77114000
1	-3.97949100	0.29566800	2.56807400	6	-3.83723100	1.16257900	1.26154800	5	1.55163700	1.87152700	-2.04740700
6	-4.29224100	-0.91762800	-0.08010700	1	-4.85972000	1.31292100	1.61174200	1	2.72505300	1.91083400	-2.37339400
1	-4.60569300	-1.05711500	0.96274500	6	-2.80497900	2.00402400	1.64485400	1	1.27269700	0.60453600	-2.09918300
1	-5.16770800	-0.56469800	-0.64106300	1	-2.98820400	2.83559800	2.32825700	8	1.35532800	2.23274600	-0.59013300
1	-4.02455600	-1.89937800	-0.49424100	6	-1.50641700	1.81289200	1.16911800	6	0.82516700	3.50710900	-0.34074300
8	-1.09592400	2.35156700	-0.15615300	1	-0.69773500	2.47386300	1.48184800	1	0.82100700	3.70181500	0.74177100
6	-1.19453000	3.13007800	-1.28149700	6	-2.18008000	-0.06987400	-0.01766200	1	1.45652200	4.27291800	-0.81675300
1	-1.97617400	2.80414600	-2.01143100	6	0.38864400	-1.77127300	0.03178400	1	-0.20040800	3.61563100	-0.73574300
1	-1.45478100	4.17677000	-1.01821800	6	1.87634000	-1.80910500	-0.25081400	1	-0.14321200	-1.58584300	-1.98624300
1	-0.24592300	3.19714100	-1.86883500	1	2.31286600	-2.67831200	0.28013200				
				1	2.07162300	-1.95058000	-1.32653100				
				6	3.68204700	-0.17017400	-0.52096600	IM11 ^s			
IM10 ^s				1	3.82250700	0.91385300	-0.38730700	27	0.35291700	-0.12521300	-0.42863700
27	0.42001800	0.54616600	-0.63143700	1	3.52609300	-0.30277700	-1.60325500	7	2.04980300	0.89756900	-0.58083300
8	-0.11886900	-2.12113900	1.07270400	6	4.91822700	-0.92738700	-0.07385900	7	1.51372500	-1.53504900	0.08928700
7	-0.40160900	-1.23022900	-1.06613600	1	5.77514900	-0.66541400	-0.70972700	7	0.02542200	2.98443500	-0.62174700
7	-1.17005600	0.82689600	0.30599000	1	4.78655100	-2.01813100	-0.14076800	1	-0.21349700	1.99753700	-0.25316400
7	2.42265800	-0.51821300	0.13229000	1	5.20251000	-0.68795000	0.96030800	6	3.13207900	0.19525700	-0.04536400

6	4.43742000	0.63519000	0.16696300	1	-1.07798400	4.65876900	-1.24198000	1	-2.16081600	-1.92258200	1.20249700
1	4.72042100	1.64074800	-0.13378200	1	-1.90350400	3.57864800	-0.10101000	6	-3.26997200	-4.59998100	-0.59495300
6	5.38889400	-0.22664000	0.75038700	6	-1.98501700	2.91905500	-2.15578500	1	-3.11973600	-4.79047100	-2.74176300
1	6.40206300	0.15093400	0.91068300	1	-1.47673000	3.08090400	-3.11532700	1	-3.26593800	-4.11523000	1.51082000
6	5.08402100	-1.52299900	1.10930300	1	-2.99618800	3.33464300	-2.24873100	1	-3.74851700	-5.57225800	-0.45662400
1	5.83731400	-2.17929100	1.55119300	1	-2.08859900	1.83838900	-1.98908400	8	3.28461700	2.63373000	-1.52638600
6	3.77407000	-2.01797600	0.89494300	1	-1.25274000	-0.53702200	-2.23048500				
6	3.35687200	-3.33642600	1.19945900	6	-1.34790900	0.24968600	-0.16466300				
1	4.07067000	-4.03958500	1.63549800	6	-1.37480900	-0.78027600	-1.15649600	IM12 ^s			
6	2.05633600	-3.71554600	0.92836900	6	-2.40668200	0.71265400	0.70445500	6	-3.77847200	-0.33982200	0.26761200
1	1.70652300	-4.72748700	1.13881700	6	-3.73272300	0.82269900	0.22259700	6	-2.39835200	-0.11595500	0.02978000
6	1.16148300	-2.79151000	0.37054600	6	-2.17002900	1.11406400	2.03758400	6	-1.49823000	-1.15632700	-0.31047500
1	0.12754900	-3.06705900	0.14525400	6	-4.74590000	1.35786500	1.01062300	6	-2.00363200	-2.45539900	-0.40574000
6	2.80810800	-1.14198200	0.32916500	1	-3.94863200	0.47693500	-0.79311800	6	-3.37314200	-2.68443900	-0.17168500
6	2.23632000	2.04629300	-1.27204500	6	-3.18884100	1.63132900	2.83043700	6	-4.25207200	-1.66899000	0.15736100
6	0.92436400	2.66943600	-1.76648900	1	-1.16573300	0.98255700	2.44977500	1	-1.34115200	-3.27855700	-0.65674400
1	1.14482300	3.59295500	-2.31802100	6	-4.48114500	1.77315400	2.31788400	1	-3.74716700	-3.70839700	-0.25541200
1	0.37990000	1.96293500	-2.40968200	1	-5.75901400	1.43927500	0.60770400	1	-5.31043300	-1.87594000	0.33334200
6	0.71278500	3.79844500	0.43442100	1	-2.97765900	1.92155500	3.86352200	6	-4.57716800	0.78711200	0.59572700
1	0.51560400	4.85537400	0.19898500	1	-5.27972100	2.18458000	2.93934600	6	-3.97877000	2.03369200	0.66841500
1	1.79332100	3.65071400	0.31317900	6	-2.02907600	-2.07876800	-0.95100400	6	-2.60920800	2.17660700	0.42580900
6	0.27596200	3.43366200	1.82582000	6	-2.30870100	-2.92035600	-2.04444900	1	-5.64519600	0.65981600	0.78465400
1	-0.80570200	3.54821800	1.97922100	6	-2.38768900	-2.54438800	0.33128700	1	-4.56265300	2.92201800	0.91779500
1	0.78574200	4.07776300	2.55285500	6	-2.91788600	-4.16001200	-1.87161500	1	-2.11962100	3.15334500	0.48457700
1	0.54709600	2.39339400	2.05220900	1	-2.03543700	-2.58447600	-3.04989400	7	-0.19617400	-0.68343500	-0.52321400
6	-1.28354500	3.60161100	-1.01090800	6	-2.99932700	-3.78173000	0.50426800	7	-1.81930100	1.13142000	0.10982100

27	-0.05089200	1.21059200	-0.28900900	1	1.30640700	3.26965600	-2.14539200	1	-2.69837000	-0.43581200	-1.50300300
6	0.82721500	-1.55487600	-0.69357600					1	-3.16275300	-1.99605400	-0.77032900
6	2.18877300	-0.91845600	-0.98232800					6	-2.04298700	-1.27670900	1.73713500
7	2.81461800	-0.13983500	0.13765900	IM13 ^s				1	-2.30257400	-0.70390700	2.63936400
6	2.33457100	-0.53927200	1.49110700	27	-0.18290100	1.09581300	-0.35554000	1	-0.94796600	-1.23996200	1.64094500
6	4.29397100	-0.07643400	-0.00817900	8	-0.93517800	-2.91055400	-1.26051100	6	-2.55349200	-2.69257800	1.79013900
6	2.93880700	0.30016000	2.58538400	7	-0.05508200	-0.82032100	-0.71806000	1	-2.20439900	-3.28351500	0.93257600
6	5.01310700	-1.34953200	0.35822600	7	1.49793200	0.87988300	0.39854400	1	-3.65060900	-2.75028100	1.83556500
1	1.24457600	-0.37680500	1.45317400	7	-2.57302100	-0.47455900	0.58537400	1	-2.17054400	-3.17761300	2.69633400
1	2.50720700	-1.61877300	1.62271500	6	1.27298900	-1.24438000	-0.61549100	6	-3.94333500	0.05290200	0.87265900
1	4.01467200	0.12897300	2.72912900	6	1.84535200	-2.45143300	-1.02106300	1	-3.80797300	0.79691600	1.67157600
1	2.78120900	1.37114000	2.39126300	1	1.23289800	-3.19317500	-1.52590300	1	-4.52231200	-0.78152500	1.29902900
1	2.44605700	0.06739200	3.53716100	6	3.20865400	-2.70159200	-0.76866100	6	-4.66061700	0.65382500	-0.30729900
1	4.48095000	0.20430200	-1.05536800	1	3.63146900	-3.65184800	-1.10529800	1	-4.07597600	1.45055300	-0.78478400
1	4.64204300	0.77025600	0.60142200	6	4.01781000	-1.79674100	-0.11006600	1	-5.59547500	1.10672500	0.04548500
1	6.08554500	-1.24204100	0.15454800	1	5.07033000	-2.01668800	0.08323900	1	-4.93009000	-0.09522200	-1.06276800
1	4.90723500	-1.59467000	1.42351200	6	3.47760700	-0.56126300	0.32164800	1	-2.46225500	2.45591300	0.43544600
1	4.65756200	-2.21331200	-0.21931800	6	4.20234200	0.43651800	1.02087600	5	-1.72814900	2.58091900	-0.53522500
1	2.85673600	-1.74746900	-1.24586000	1	5.25592600	0.27163400	1.25820300	1	-2.20117400	3.23280300	-1.45100900
1	2.12750400	-0.22320600	-1.83286900	6	3.55924900	1.60217700	1.39511300	1	-1.58603100	1.40370900	-1.15013400
8	0.78787700	-2.78473100	-0.65951400	1	4.08752500	2.38368000	1.94452100	8	-0.37341700	3.02361900	-0.11509000
1	2.43632800	0.87373300	-0.03856100	6	2.21150900	1.79662100	1.06798500	6	0.35862400	3.80645100	-1.03483400
8	1.63593700	2.02284000	-0.51005800	1	1.67605300	2.70656300	1.34969000	1	0.25500600	3.44329300	-2.07103700
6	2.08232900	2.64146600	-1.66992900	6	2.11006900	-0.29734500	0.04006000	1	0.01028500	4.85046300	-1.00028800
1	2.94452600	3.30723200	-1.46631400	6	-1.03503700	-1.72351300	-0.94904500	1	1.42376700	3.78073800	-0.76200900
1	2.41886600	1.92618100	-2.45254900	6	-2.44213900	-1.16949100	-0.72694400	1	-1.88529300	0.35083000	0.50081500

				1	0.05090800	-2.52827100	-0.18337300	6	-2.34697900	-2.77783900	-2.49650700
				6	2.04429700	-3.50943900	2.28209700	1	-1.00740300	-1.07972100	-2.46314500
IM14 ^S				1	2.44054100	-4.51176700	2.51256600	6	-3.26441200	-3.54531200	-1.77690500
27	0.10060700	0.83350800	0.38330900	1	1.28757300	-3.29541600	3.07370200	1	-4.28826200	-3.78674500	0.11045600
8	2.70954000	-2.05013200	-0.89815100	6	0.51408600	-4.70753800	0.83492900	1	-2.09585100	-3.04886800	-3.52520400
7	1.77893300	-0.12290400	0.04362600	1	-0.43759000	-4.53675700	1.38994900	1	-3.73318600	-4.41843500	-2.23640000
7	1.15343700	2.36424300	0.08066300	1	0.99193800	-5.56691100	1.33178100	6	0.21804600	-5.06327700	-0.60396100
7	1.42799300	-3.58323700	0.96847400	1	-1.13201600	1.56862900	1.25267400	6	3.16303400	-2.49571700	2.37327400
6	2.82912000	0.74184700	-0.31634400	6	-1.41070100	-0.14620700	0.02236600	1	1.14866200	-5.25289400	-1.15721600
6	4.17134300	0.42077100	-0.55395000	6	-1.89552900	0.98778700	0.59418600	1	-0.41025300	-5.96248500	-0.66209800
1	4.55270800	-0.59193700	-0.41301700	6	-3.14980200	1.71964600	0.55675400	1	-0.32861300	-4.26811700	-1.13190400
6	5.08404300	1.43528600	-0.89672100	6	-4.24443400	1.27523800	-0.21435500	1	2.80208200	-1.46046500	2.28002700
1	6.12455700	1.16214900	-1.08579400	6	-3.31011000	2.90577300	1.30176700	1	3.66623200	-2.56323500	3.34695500
6	4.69242700	2.75573700	-0.99413600	6	-5.43615400	1.98963400	-0.23497200	1	3.91573500	-2.66747300	1.59041400
1	5.40791300	3.52873100	-1.28356700	1	-4.14558300	0.36488900	-0.81014000	1	3.21568400	-1.39556600	-1.40772200
6	3.36147900	3.13204600	-0.68641800	6	-4.50408800	3.61792200	1.27726400				
6	2.88228700	4.46548700	-0.69877600	1	-2.47773100	3.26108600	1.91837700				
1	3.55045600	5.28062100	-0.98289500	6	-5.57724100	3.16394700	0.50900600	IM15 ^S			
6	1.56761000	4.70319500	-0.32972100	1	-6.26819800	1.62800700	-0.84448600	27	0.00155800	0.20237500	-0.32810100
1	1.16343300	5.71713900	-0.32028800	1	-4.60061900	4.53374100	1.86586700	7	0.84618100	-1.30991200	-1.24552800
6	0.74371400	3.64926300	0.06689300	1	-6.51672000	3.72065800	0.48926700	7	1.91342900	0.76601100	-0.01068500
1	-0.28490200	3.82787100	0.38953200	6	-2.06080300	-1.28353800	-0.59064600	7	-0.09330700	-1.19425000	1.41972900
6	2.44546400	2.10649600	-0.32185100	6	-2.98997600	-2.06951400	0.12152700	6	2.21303500	-1.28253700	-1.14452100
6	1.82896700	-1.41853600	-0.12709600	6	-1.73826900	-1.67383700	-1.90617300	6	3.07181000	-2.30390100	-1.56439600
6	0.85319700	-2.32885100	0.54424400	6	-3.57401500	-3.18965500	-0.46239600	1	2.64397200	-3.21354300	-1.99273500
1	0.36086800	-1.75117600	1.35686400	1	-3.24720400	-1.78252600	1.14506400	6	4.46489100	-2.14424700	-1.47775200

1	5.10825500	-2.95185400	-1.83647900	1	-0.22974100	-1.48560700	4.30161600	6	-0.30322000	4.02724900	1.26914900
6	5.04093400	-0.99485700	-0.96411400	1	1.48363400	-1.10756000	4.50417000	1	0.63187100	5.24909700	-0.26624300
1	6.12581000	-0.88265800	-0.91155200	1	1.00879600	-2.56209900	3.61663800	1	-1.33575700	2.63548500	2.53471100
6	4.21066600	0.03904400	-0.47060300	8	-0.68716900	-3.06484000	-1.21343400	1	-0.15964900	4.76774100	2.05880200
6	4.67965000	1.22176400	0.15367600	6	-1.62380100	-0.05210800	-1.56171400				
1	5.75526200	1.40496400	0.22076800	6	-0.83306600	1.12406600	-1.82761900				
6	3.77363100	2.11071100	0.69009800	1	-0.29890500	1.27079400	-2.77351600				
1	4.10529600	3.01890400	1.19642000	1	-1.35915900	-0.90623000	-2.19586300	IM16 ^s			
6	2.39520300	1.83883300	0.60651600	6	-3.04235200	-0.08687000	-1.17648900	27	-0.97669100	-0.56934800	-0.45048200
1	1.66605000	2.50489300	1.07160200	6	-3.66053200	-1.34212400	-0.99216400	7	-0.34720300	-0.75106900	1.33250600
6	2.79760600	-0.12324300	-0.55613200	6	-3.83856200	1.06051700	-0.99267300	7	0.99533600	-0.98313000	-0.95750100
6	0.14964700	-2.37898000	-0.66782900	6	-4.99256700	-1.44350400	-0.60559800	7	-0.97179700	1.38747700	-0.34244000
6	0.41655300	-2.45284600	0.83646100	6	-4.99256700	-1.44350400	-0.60559800	6	0.94159700	-0.28766900	1.33126800
1	-0.02885500	-3.35150500	1.28603700	1	-3.06382100	-2.24479700	-1.15754600	6	1.58910300	0.32920000	2.40695600
1	1.50284100	-2.49876600	1.00696700	6	-5.17347000	0.95715400	-0.60814500	1	1.02688300	0.50833500	3.32656600
6	-1.53419500	-1.25346100	1.79568700	1	-3.40639100	2.04762000	-1.17578200	6	2.94693500	0.68132900	2.32118500
1	-2.12735400	-0.99475200	0.90886900	6	-5.75782400	-0.29288900	-0.40248000	1	3.42352500	1.15426300	3.18413400
1	-1.69360500	-0.43202800	2.51261800	1	-5.44272300	-2.43071800	-0.47082300	6	3.69171400	0.44147100	1.18037300
6	-2.07744300	-2.55591300	2.34599100	1	-5.76831800	1.86532900	-0.47964200	1	4.74529300	0.72451500	1.12564400
1	-2.11888000	-3.33450300	1.57130500	1	-6.80598700	-0.37037900	-0.10434500	6	3.07380100	-0.14891900	0.05021000
1	-3.11161900	-2.39260200	2.67849500	6	-0.73517400	2.15257300	-0.82909600	6	3.72985400	-0.36220100	-1.18999500
1	-1.51289300	-2.95412600	3.19993900	6	-0.04001500	3.38108800	-1.05718300	1	4.78967300	-0.11221700	-1.28616200
6	0.75550100	-0.69659300	2.51890400	6	-1.18971900	1.88871100	0.50898100	6	3.01769900	-0.86388900	-2.25878000
1	0.44767600	0.34344600	2.72083600	6	0.13996900	4.29739600	-0.04830500	1	3.49753400	-1.03829200	-3.22405600
1	1.78148000	-0.63082200	2.12618800	1	0.30931400	3.59864400	-2.06971600	6	1.65078400	-1.15650300	-2.10260900
6	0.74578600	-1.50905600	3.79644100	6	-0.94651700	2.83482900	1.53162200	1	1.06972600	-1.55465600	-2.94084600
				1	-1.95399600	1.13445200	0.69956100	6	1.69526900	-0.50256600	0.12280700

6	-1.52725500	-0.01168200	1.46621000						6	2.52800000	-1.18393700	-1.37876000
6	-1.36559500	1.46229500	1.08666700	IM17 ^s					1	2.59426100	-0.39600200	-2.14424800
1	-2.28712400	2.04147900	1.24354300	27	0.45746000	0.38030300	-0.14989000		1	1.58929700	-1.72066300	-1.56789300
1	-0.54815500	1.96310100	1.63159900	8	-0.31202200	-1.36897000	2.20095800		6	3.69632900	-2.14439000	-1.48429600
6	-2.02264600	1.04213400	-1.30374000	7	-0.21839200	-1.44296500	-0.15900300		1	3.55316100	-2.79111800	-2.36047000
1	-1.81706500	-0.03012300	-1.79510100	7	-1.38563000	0.90134900	-0.06538200		1	3.77487400	-2.80850200	-0.61033600
1	-1.83647500	1.63462900	-2.22078000	7	2.32643700	-0.48491200	-0.08713000		1	4.66411400	-1.64539000	-1.61562100
6	-3.45928900	1.19440900	-0.87091400	6	-1.61483000	-1.43953100	-0.15455200		6	3.41374100	0.43206300	0.31166900
1	-3.67245400	0.63686300	0.05185100	6	-2.41605600	-2.57003100	-0.18610000		1	2.99856100	1.06002900	1.11205900
1	-4.12037500	0.80848600	-1.65730000	1	-1.94622500	-3.55518100	-0.19825400		1	3.58229200	1.11650000	-0.53324800
1	-3.71710100	2.25294000	-0.71510700	6	-3.81954700	-2.44050900	-0.20631200		6	4.70547100	-0.19909300	0.79624900
6	0.07443900	2.30860500	-0.80217900	1	-4.43204300	-3.34483000	-0.23944200		1	5.32182800	0.56852500	1.28357700
1	0.41150300	1.95789700	-1.79118500	6	-4.43614600	-1.20374600	-0.19231800		1	5.31489000	-0.63583700	-0.00208200
1	0.93634500	2.18386800	-0.12669200	1	-5.52482800	-1.11999700	-0.21965400		1	4.52925900	-0.98611900	1.54499100
6	-0.37792500	3.75056800	-0.84862100	6	-3.65283500	-0.02486100	-0.14797300		1	0.30628500	3.10377000	-1.85334900
1	-1.23075100	3.88851300	-1.52998400	6	-4.16276300	1.29645100	-0.12918100		5	1.12092700	2.25426900	-1.50561800
1	0.43093100	4.40571900	-1.19759500	1	-5.24286600	1.46029400	-0.15968600		1	2.22636100	2.36897000	-2.02882200
1	-0.68422100	4.10792700	0.14495600	6	-3.28527700	2.35879100	-0.07962600		1	0.64634700	1.11626700	-1.82354800
8	-2.60208300	-0.50116500	1.90988000	1	-3.64632400	3.38826800	-0.07108100		8	1.22515700	2.19752100	0.00405100
1	-2.51083500	-1.83348400	0.75977900	6	-1.89814900	2.12721400	-0.04411000		6	1.26293500	3.35159600	0.76839100
8	-2.16072700	-2.17566400	-0.11403400	1	-1.18627800	2.95332500	-0.02389200		1	1.17204500	3.10197400	1.83788100
6	-1.51546700	-3.41706200	0.10310400	6	-2.23902300	-0.16797300	-0.12692800		1	2.21797000	3.89074100	0.62286700
1	-1.04335600	-3.72244500	-0.83890600	6	0.38789200	-1.12985500	1.04046800		1	0.45467700	4.06376300	0.50953300
1	-0.73879400	-3.33104900	0.87809600	6	1.87430100	-1.36171500	1.02527400		1	0.14633100	-0.93613800	2.93016300
1	-2.24404200	-4.18929300	0.39420100	1	2.32840700	-1.01846700	1.96747100					
				1	2.17529900	-2.41927000	0.88734000					

TS1 ^S				1	-2.15895500	-1.98897600	-0.51465300	6	-2.22291000	2.95847400	0.45561900
27	-0.00459200	-1.54271500	0.76853400	1	-3.00657100	-1.31646700	-1.93152300	1	-2.18954900	4.03134800	0.66201300
7	-0.21984900	0.38693500	0.54825500	6	-4.26546600	-1.65636200	-0.19971200	6	-3.44531500	2.33749900	0.28022900
1	-1.12363300	0.02556200	-0.35053700	1	-4.16100300	-1.81782300	0.88188800	1	-4.37509900	2.90824600	0.34787300
7	1.66561600	-1.26824800	-0.01562900	1	-4.61965400	-2.60542400	-0.62325000	6	-3.51054100	0.94754700	0.01457700
7	-2.42107000	0.06249500	-0.49018100	1	-5.05510300	-0.90842400	-0.35915300	6	-4.71078700	0.21142900	-0.17348600
6	1.02416000	0.98593200	0.26620600	6	-2.69321400	1.12297800	-1.47718800	1	-5.67577500	0.71977200	-0.12311100
6	1.30111800	2.34805900	0.25862500	1	-2.22432000	0.81012200	-2.42327700	6	-4.62197000	-1.15080500	-0.41716200
1	0.54344300	3.06581800	0.57430000	1	-2.13501800	2.01374700	-1.14339200	1	-5.52186900	-1.75024200	-0.57172800
6	2.57759400	2.78499400	-0.13977500	6	-4.15181500	1.45059900	-1.69145800	6	-3.37895700	-1.78176400	-0.47972600
1	2.79141400	3.85655200	-0.13773600	1	-4.70068700	0.60482300	-2.12807100	1	-3.30152800	-2.85469500	-0.68017400
6	3.56254600	1.89385200	-0.52718600	1	-4.25342400	2.29563300	-2.38448900	6	-2.28385500	0.23707400	-0.06204100
1	4.54950300	2.25318700	-0.82826200	1	-4.65542000	1.73450500	-0.75644600	6	1.29594400	0.39941900	-0.07257500
6	3.31288200	0.49956900	-0.51832700	1	-1.32356600	-1.87275800	1.55993900	6	2.38001400	-0.57949000	-0.48806000
6	4.26150100	-0.49879500	-0.86184800	8	-1.01004100	1.85174300	2.19444800	1	2.18018100	-1.59251800	-0.10231400
1	5.26424200	-0.21094100	-1.18374800					1	2.41557500	-0.64706600	-1.58525300
6	3.89006600	-1.83043100	-0.76316800					6	4.05268300	-0.55220500	1.30588000
1	4.59469000	-2.62641000	-1.01268300	TS3 ^S				1	4.91007800	0.04139400	1.65982600
6	2.60473800	-2.18082100	-0.34185600	27	-0.51579200	-1.81665300	-0.05250800	1	4.43266700	-1.56697300	1.09446100
1	2.30711300	-3.23092000	-0.26459600	8	1.77486800	1.55713000	0.19665700	6	2.95253300	-0.58762100	2.33895100
6	2.02501100	0.06371300	-0.10814800	7	0.04952900	-0.00844400	-0.03183200	1	2.59104700	0.42135600	2.58004400
6	-1.17632900	1.01037100	1.34332400	7	-2.21194900	-1.12280500	-0.30423400	1	3.33303300	-1.03639500	3.26477500
6	-2.56302700	0.52489300	0.90429700	7	3.61866600	0.05118000	0.02198800	1	2.08945300	-1.19070800	2.01486500
1	-2.88256200	-0.29686700	1.55297700	6	-1.03701100	0.88116700	0.11915700	6	4.71499000	0.17928900	-0.95757900
1	-3.28262800	1.35069100	1.00464300	6	-1.00940900	2.24997900	0.37784500	1	4.95680400	-0.82105300	-1.35667100
6	-2.94917200	-1.27930900	-0.83296000	1	-0.06149500	2.76288400	0.51854100	1	5.60250000	0.51105100	-0.39781000

6	4.39526900	1.15786700	-2.05970000	6	-3.76086600	-1.83619000	-0.20265100	1	4.11156200	3.67732100	0.17449000
1	3.52072700	0.85656300	-2.65202700	1	-3.67875900	-2.92707400	-0.22326500	8	3.67594100	1.74991100	-0.42093300
1	5.24193800	1.23596900	-2.75249600	6	-2.66604400	0.22535000	-0.12979900	1	2.48665800	1.78510800	-0.51077100
1	4.19274200	2.16120700	-1.66128600	6	0.91200400	0.37635100	-0.33955600				
1	0.76505800	-2.59126400	0.48543400	6	1.89542100	-0.73393700	-0.63483800				
1	3.00316100	1.10703600	0.20646600	1	1.40952400	-1.69907000	-0.40171600				
				1	2.10147200	-0.68560100	-1.71479900	TS5 ^S			
				6	3.11940600	-1.00768700	1.50092700	27	0.16920800	0.49187300	0.14024900
				1	4.12509000	-0.82751800	1.91543700	7	1.59982100	-1.01198000	-0.38777400
TS4 ^S				1	2.93409800	-2.09448400	1.56368500	7	1.80210100	1.52837600	0.38148600
27	-0.90733300	-1.78593200	0.26823000	6	2.06395400	-0.26398200	2.27738600	7	0.45474700	-2.69627700	0.96167100
8	1.28365900	1.60117300	-0.43738400	1	2.10932400	0.82191900	2.11280900	6	2.84415200	-0.39757100	-0.54668100
7	-0.32794900	-0.01033400	-0.09480100	1	2.20612000	-0.44607700	3.35009600	6	3.97160700	-1.00792400	-1.08617700
7	-2.59794600	-1.15316600	-0.14252500	1	1.06025600	-0.62845400	2.01342100	1	3.89546900	-2.01765000	-1.49172100
7	3.20575300	-0.63977400	0.06311600	6	4.22366900	-1.48887500	-0.60128600	6	5.20133900	-0.32676300	-1.11968600
6	-1.41555200	0.89221500	-0.07125000	1	3.85231000	-2.52898700	-0.62288600	1	6.06950300	-0.83005700	-1.55225700
6	-1.40185000	2.28632900	-0.01547700	1	5.10102000	-1.48875300	0.06343100	6	5.33518600	0.95002200	-0.61043100
1	-0.46183800	2.82571800	0.03903500	6	4.62058800	-1.01234700	-1.97794600	1	6.29872300	1.46446300	-0.62818100
6	-2.61941100	2.99218500	-0.02860400	1	3.82822600	-1.15151500	-2.72491100	6	4.21034400	1.61219700	-0.06352800
1	-2.58910100	4.08358500	0.02102300	1	5.48831400	-1.58399900	-2.32994800	6	4.24256500	2.91814900	0.48606000
6	-3.83929500	2.34831600	-0.10381800	1	4.89424900	0.05127800	-1.97100000	1	5.18652000	3.46819300	0.51123200
1	-4.77226300	2.91741400	-0.11391200	1	0.35308800	-2.46133900	0.96131900	6	3.08099600	3.47060700	0.98378800
6	-3.89544600	0.93457700	-0.15655400	1	3.58317200	0.56621400	-0.07723200	1	3.07453700	4.46866400	1.42549700
6	-5.09411100	0.17619700	-0.21825300	6	4.17057800	2.64171900	0.54218500	6	1.87859000	2.74881700	0.90961700
1	-6.05917100	0.68607000	-0.24401500	1	5.22968800	2.42938600	0.75648800	1	0.94121700	3.16984200	1.28207800
6	-5.00645900	-1.20678600	-0.24023300	1	3.61550900	2.59661900	1.49725300	6	2.95399100	0.93733900	-0.06497400
1	-5.90588600	-1.82395800	-0.29165100					6	1.19355000	-2.02818000	-1.22840200

6	0.20289500	-2.91554700	-0.47244000	6	-4.77130000	-2.57819800	-1.07451600	6	-0.58613000	-4.16286400	0.57710100
1	-0.82663500	-2.62447800	-0.72064900	6	-2.00219000	2.77564900	0.05516300	1	0.43612300	-4.50610300	0.71792500
1	0.33460800	-3.96285300	-0.78178300	6	-3.35004400	2.92364000	0.43983900	6	-1.65847600	-5.06661200	0.70268600
6	-0.74724200	-2.58201700	1.82180200	6	-1.28536900	3.93806900	-0.28826400	1	-1.43858600	-6.10872700	0.94745700
1	-1.13726200	-1.56479600	1.65769600	6	-3.94561500	4.18014100	0.48964900	6	-2.96746100	-4.67064900	0.52146200
1	-0.38858200	-2.61160100	2.86214400	6	-1.88479500	5.19216600	-0.24756900	1	-3.78990900	-5.38359000	0.61635400
6	-1.83509900	-3.60414300	1.58126600	6	-3.21709800	5.32050500	0.14865300	6	-3.25828300	-3.32170100	0.20549700
1	-2.27818000	-3.50507700	0.57958800	1	-3.76354200	-0.27541600	1.23074900	6	-4.56693100	-2.82480200	-0.01296800
1	-2.65373000	-3.43553200	2.29351300	1	-1.89673400	-1.39844000	-2.48504800	1	-5.41985300	-3.50335500	0.06523300
1	-1.49906800	-4.64241700	1.70492000	1	-5.58609700	-1.90612500	0.81068700	6	-4.73813600	-1.49347100	-0.32978600
6	1.54318100	-3.54379400	1.49262400	1	-3.72166400	-3.02455100	-2.90937300	1	-5.73061100	-1.07987400	-0.51696500
1	1.89346800	-3.06618100	2.42113400	1	-5.57087900	-3.29949700	-1.25834500	6	-3.61919500	-0.65005400	-0.41615600
1	2.37684800	-3.45714100	0.77629700	1	-3.92789900	2.03304600	0.69885100	1	-3.72650000	0.40702400	-0.67314300
6	1.20222900	-4.99334000	1.74002400	1	-0.24611900	3.83514400	-0.61292100	6	-2.17884700	-2.39937100	0.09309500
1	0.48566200	-5.11500400	2.56318900	1	-4.99187100	4.27141600	0.79299700	6	1.39690400	-2.00388300	0.08077000
1	2.10810800	-5.54793100	2.01682200	1	-1.31019200	6.07841200	-0.52896300	6	2.28099900	-0.80237700	-0.18341600
1	0.78303900	-5.48193900	0.84890900	1	-3.68768800	6.30587900	0.18744600	1	1.94031100	-0.23865400	-1.06301000
1	0.19092700	0.20303400	1.57869300	1	1.05659000	-1.58268500	0.69330100	1	2.23859400	-0.09635400	0.65516100
8	1.53917300	-2.25667300	-2.36851600					6	4.11450100	-1.35270100	-1.73340200
6	-1.61683100	0.20099900	-0.29836900					1	5.12736100	-1.78351900	-1.72924100
6	-1.36956800	1.47350500	-0.00474300	TS7 ^s				1	4.21917100	-0.29972700	-2.05011900
6	-2.70016900	-0.71014200	-0.59955900	8	2.07273000	-3.08126900	0.23712000	6	3.21400300	-2.12279600	-2.66774800
6	-3.76194100	-0.87516900	0.31539800	7	0.10555400	-1.80171500	0.10245200	1	3.12289100	-3.17586500	-2.37007400
6	-2.70936900	-1.51074100	-1.76043300	7	-2.37469200	-1.07517800	-0.19997000	1	3.62354200	-2.09556800	-3.68481800
6	-4.77796600	-1.79671800	0.08219300	7	3.63844700	-1.36743900	-0.33183000	1	2.20007400	-1.70155400	-2.71791900
6	-3.73399200	-2.42435400	-1.99576600	6	-0.82714000	-2.82484500	0.27072400	6	4.63203200	-0.79951000	0.60647300

1	4.71362300	0.28523400	0.41543700	1	3.63523300	3.27186500	2.69155100	6	-3.10197300	-2.13789800	-0.60031800
1	5.60359500	-1.24397000	0.34244600	1	5.08931400	3.73092000	0.71554400	1	-3.62804600	-1.24053200	-0.93682000
6	4.30098300	-1.07780400	2.05123600	1	-0.66936800	4.21141200	-1.22167200	6	-1.11023300	-3.05635700	0.17329600
1	3.36494200	-0.59830700	2.36782700	1	-3.51479700	1.98829000	1.11875000	6	1.95987500	-1.16865300	0.32212800
1	5.09362500	-0.68042100	2.69699400	1	-2.21409000	6.15727900	-1.25443600	6	2.18661400	0.31747300	0.14024600
1	4.21365000	-2.15493300	2.25003600	1	-5.05338900	3.93918800	1.10840900	1	1.27520500	0.73472900	-0.31360300
1	3.19994800	-2.49494300	-0.01021800	1	-4.41409100	6.02928000	-0.09009000	1	2.26292000	0.76537900	1.14298200
27	-0.76271000	0.01922000	-0.22752700					6	3.09939000	0.66076600	-2.10076400
1	-0.58376100	-0.19475200	-1.66752600					1	4.05021500	0.89397100	-2.60771700
6	0.21755400	1.57480600	0.04361800	TS8 ^S				1	2.39550200	1.47414600	-2.35712200
6	-1.08889200	1.81963000	-0.05129600	8	2.94658400	-1.96669100	0.50767700	6	2.54936400	-0.66714400	-2.55804300
6	1.49447000	2.22746700	0.22873700	7	0.68895500	-1.51673600	0.31910600	1	3.16733100	-1.51101700	-2.22043900
6	2.33159200	2.49845700	-0.87504200	7	-1.83365300	-1.96629600	-0.22920600	1	2.51762700	-0.69468600	-3.65434700
6	1.99815100	2.51873000	1.51333100	7	3.37234600	0.73643800	-0.64405600	1	1.52133800	-0.82914500	-2.20124300
6	3.60534800	3.03296700	-0.70066600	6	0.26701800	-2.83821000	0.49773000	6	3.76577500	2.12317300	-0.28209900
6	3.27462700	3.05105900	1.68296100	6	1.00955700	-3.93122700	0.94801800	1	2.87117300	2.76969200	-0.34879800
6	4.09073800	3.30910300	0.58001200	1	2.05327700	-3.80093600	1.21529700	1	4.45985800	2.46313400	-1.06597600
6	-1.98656900	2.95750100	-0.05767100	6	0.42019000	-5.20470600	1.05977700	6	4.41880500	2.23149100	1.07332900
6	-1.63721400	4.15342800	-0.71624100	1	1.03408600	-6.03284600	1.42258200	1	3.73476900	1.96932600	1.89231800
6	-3.23580200	2.90428100	0.58988900	6	-0.89542400	-5.43011200	0.71652400	1	4.72772700	3.26987700	1.24827600
6	-2.50428300	5.24153800	-0.73257800	1	-1.33819100	-6.42586800	0.79485100	1	5.30589700	1.58878900	1.15418000
6	-4.09442900	3.99973700	0.58702400	6	-1.69234500	-4.35482100	0.25776500	27	-0.91518000	-0.26104700	-0.10559300
6	-3.73655400	5.17222200	-0.08011900	6	-3.04922300	-4.49264600	-0.12476200	1	-0.56367700	-0.29165600	-1.53045800
1	1.95928700	2.27780600	-1.88060000	1	-3.52340400	-5.47574600	-0.07226700	6	-0.83430700	1.56941500	0.25100200
1	1.36788600	2.31600600	2.38363200	6	-3.74382900	-3.38509600	-0.56283300	6	-2.07558200	1.15860100	0.00513100
1	4.22659400	3.24253700	-1.57638400	1	-4.78637100	-3.45722000	-0.87733100	6	-0.04771800	2.75720400	0.49942600

6	0.12686100	3.73187100	-0.50667800	8	5.06297400	-0.89455000	0.16196300	6	-0.39170900	-2.47418000	0.70932600
6	0.64166800	2.94997900	1.71505300	1	4.06821300	-1.50609700	0.40996600	1	-0.83904500	-2.53432500	-0.29776400
6	0.93832000	4.84492800	-0.30049600					1	-0.12318500	-3.52302900	0.99358600
6	1.43938600	4.07198000	1.92360400					6	-2.71354600	-2.37513500	1.38794200
6	1.59843000	5.02627900	0.91671900	TS9 ^S				1	-2.92125500	-2.36601100	0.30419300
6	-3.43062400	1.66410600	-0.07923700	27	0.47258600	0.31928600	-0.25320400	1	-3.41268400	-1.63902900	1.82184200
6	-3.72747600	2.85405500	-0.77307100	7	1.37760200	-1.46554600	-0.73903700	6	-3.02907000	-3.75873100	1.94060800
6	-4.49859800	0.97365400	0.52684800	1	0.91739300	-2.04057200	-1.44017800	1	-2.31226300	-4.51607300	1.58794600
6	-5.03398800	3.32531000	-0.86160600	7	2.30868700	0.87388100	-0.00718100	1	-4.02892400	-4.08510800	1.61994400
6	-5.80181300	1.45542600	0.45142800	7	-1.36876800	-1.86522400	1.57082800	1	-3.02018900	-3.78138400	3.03940800
6	-6.07815900	2.63073900	-0.24911300	6	2.76595100	-1.25523000	-0.94471100	6	-0.95970200	-1.56411600	2.93393400
1	-0.38376200	3.59528000	-1.46430700	6	3.63100000	-2.17326500	-1.50628000	1	-1.85042600	-1.15931600	3.44195100
1	0.52440000	2.20437000	2.50731600	1	3.25499100	-3.13885500	-1.85188800	1	-0.23299500	-0.73430500	2.90405900
1	1.05075100	5.58491900	-1.09766600	6	5.00100500	-1.85991500	-1.61842900	6	-0.35783600	-2.69982300	3.74792300
1	1.94613000	4.20288000	2.88410200	1	5.67750700	-2.58718400	-2.07195200	1	-0.09333800	-2.34696600	4.75488500
1	2.22582400	5.90557200	1.08067800	6	5.49638000	-0.66042500	-1.14892700	1	0.57153700	-3.06265500	3.28834400
1	-2.91185400	3.40517500	-1.24773700	1	6.56121900	-0.43037700	-1.23021500	1	-1.03893200	-3.55371100	3.86731200
1	-4.28260800	0.05461200	1.07941800	6	4.63145900	0.29964400	-0.56713400	1	0.16284000	0.78131700	1.09521500
1	-5.24004300	4.24894600	-1.40886400	6	5.04297100	1.56593500	-0.08311700	6	-1.27310500	0.37531100	-0.92188100
1	-6.61142500	0.90895400	0.94228500	1	6.09887800	1.84283800	-0.11787200	6	-0.92861700	1.49544300	-0.30771400
1	-7.10246700	3.00494500	-0.31550100	6	4.09134800	2.43013500	0.42017700	6	-2.41633900	-0.30266700	-1.48366500
1	4.35486400	-0.03912200	-0.33049300	1	4.37051600	3.41372900	0.80127500	6	-2.26400900	-1.39259500	-2.36294000
6	5.92251800	-1.56468600	-0.72139900	6	2.73916600	2.05515200	0.43987500	6	-3.72838300	0.07906400	-1.13282500
1	6.72144400	-0.89019500	-1.06630400	1	1.97070000	2.73482000	0.81596100	6	-3.36735500	-2.07588700	-2.86520900
1	5.40325300	-1.96010000	-1.61382300	6	3.24590000	-0.00843200	-0.48599900	6	-4.83016300	-0.61129600	-1.62541200
1	6.40503500	-2.41453600	-0.21606900	6	0.94245800	-1.74897600	0.64203400	6	-4.65675500	-1.69267600	-2.49287500

6	-1.35103100	2.81563600	0.09787400	6	-2.86420100	-0.33336900	2.38816700	1	1.71570200	-3.19845500	-1.84032000
6	-0.85257500	3.42280200	1.26533600	1	-2.58343300	-0.23305900	3.43811200	1	0.17075900	-3.21793300	-0.99774700
6	-2.27021800	3.54051100	-0.68801300	6	-4.18556100	-0.07804500	1.96950000	6	1.49613900	-4.74050200	-0.32168900
6	-1.26233000	4.69862500	1.63928200	1	-4.92522400	0.26008600	2.69793400	1	1.16731100	-5.46750200	-1.07674500
6	-2.66542400	4.82171600	-0.31875800	6	-4.54869900	-0.28586800	0.65891800	1	0.89601900	-4.92900300	0.57817700
6	-2.16631100	5.40726600	0.84675800	1	-5.57928700	-0.12335000	0.33337300	1	2.54685600	-4.96095900	-0.09554200
1	-1.25315100	-1.68892500	-2.66026600	6	-3.59533100	-0.71442100	-0.29907700	1	1.69247100	0.18131100	-1.32456000
1	-3.86471800	0.91730000	-0.44400600	6	-3.92372300	-0.96086400	-1.65302000	6	1.43434600	1.19514400	-0.30653500
1	-3.22328500	-2.91479600	-3.55071800	1	-4.95704100	-0.84011500	-1.98718200	6	0.10493500	1.34339700	-0.32773500
1	-5.83723800	-0.30576100	-1.33022200	6	-2.92935100	-1.36173000	-2.52184900	6	2.65374700	1.96370400	-0.14236500
1	-5.52412700	-2.23227500	-2.87991400	1	-3.14487100	-1.58670700	-3.56768300	6	3.85214300	1.59260300	-0.78496800
1	-0.15461400	2.85689200	1.89001800	6	-1.60814100	-1.44782600	-2.06219600	6	2.67923800	3.11313400	0.67413500
1	-2.66091600	3.08337000	-1.60114400	1	-0.79956300	-1.71178700	-2.75038600	6	5.01882500	2.32925000	-0.61711700
1	-0.87334800	5.14559200	2.55756900	6	-2.23762500	-0.89127900	0.10384400	6	3.84852000	3.84541400	0.84395500
1	-3.37337300	5.37020800	-0.94517300	6	-0.07272500	-2.29327200	1.60267200	6	5.02723400	3.45904300	0.20262300
1	-2.48293300	6.41169600	1.13670800	6	1.43203900	-2.34005200	1.41247800	6	-1.00112300	2.26393900	-0.31000300
8	1.74174000	-1.68287100	1.55778000	1	1.93452300	-1.51256300	1.93674500	6	-2.02331100	2.13696700	-1.27604500
				1	1.81589100	-3.28669100	1.83178700	6	-1.15541700	3.26684800	0.67209500
				6	3.14553700	-1.85559900	-0.24768600	6	-3.12596700	2.98122300	-1.27647100
				1	3.31998600	-0.91253700	0.29420500	6	-2.26833900	4.10272100	0.67490300
TS10 ^s				1	3.24215900	-1.60604900	-1.31568000	6	-3.25914500	3.97021500	-0.29942200
27	0.57993700	-0.44325900	-0.51500500	6	4.19336700	-2.87583200	0.14582400	1	3.84484200	0.72143300	-1.44673600
7	-0.58377200	-1.04567100	1.89589800	1	4.07580400	-3.23002300	1.18020000	1	1.76201400	3.42138700	1.18118600
1	0.07887300	-0.26906700	1.87602900	1	5.18817000	-2.41452000	0.07967200	1	5.93124400	2.02377200	-1.13598100
7	-1.24215100	-1.17400900	-0.80424500	1	4.20569100	-3.75306100	-0.51439200	1	3.84092800	4.73080600	1.48482000
7	1.72102900	-2.19398500	-0.02767900	6	1.25296800	-3.34041000	-0.85038500	1	5.94430500	4.03688200	0.33782800
6	-1.90844700	-0.74066900	1.48208400								

1	-1.92431300	1.36306600	-2.04267200	1	1.21541800	-0.24832400	-3.28190700	6	-0.69217400	1.49222700	-1.72910600
1	-0.39724300	3.37085700	1.45306800	6	1.36393100	-2.15798900	-0.59862900	6	-1.64467300	3.80586300	-0.38937700
1	-3.89506900	2.86261000	-2.04505900	6	1.81510100	-0.04612500	2.17578500	1	-2.38325700	2.48441300	1.13772900
1	-2.36435000	4.86790400	1.44977700	6	1.78591300	1.45682600	1.94795800	6	-0.50997400	2.79743200	-2.28313600
1	-4.12983000	4.62993000	-0.29423500	1	0.78819100	1.86254000	2.18992800	1	-0.75195900	0.65372500	-2.43198100
8	-0.77362000	-3.27202400	1.44143900	1	2.51599500	1.92893900	2.62795800	6	-0.95802800	3.92047600	-1.63310500
				6	1.82826600	3.13065400	0.15817800	1	-2.02959900	4.70628300	0.09664000
				1	0.79239100	3.36643200	0.44596700	1	-0.05047200	2.89268100	-3.27214500
				1	1.84626000	3.17946900	-0.94098100	1	-0.82689300	4.90649500	-2.08586500
TS11 ^s				6	2.76976600	4.16871800	0.73646700	6	-3.74888000	-0.74295300	0.54323300
7	1.01851100	-0.68674800	1.24047800	1	2.85572900	4.10162200	1.83075800	6	-4.50856400	-1.74347600	1.18430300
1	-0.20191000	-0.23915900	1.02229900	1	2.38922100	5.17341500	0.50699400	6	-4.45506600	0.29769600	-0.09620600
7	1.20848200	-1.03108500	-1.37123500	1	3.78127600	4.10841200	0.31286200	6	-5.89865200	-1.70470500	1.19605500
7	2.04057200	1.72250200	0.52150000	6	3.33387700	1.15972300	0.06655700	1	-3.98317400	-2.56456800	1.68093700
6	1.27661300	-2.00033800	0.81420800	1	3.49882600	1.55290600	-0.94906600	6	-5.84449500	0.33257500	-0.08513600
6	1.48267500	-3.08860500	1.64893900	1	3.19044700	0.07393200	-0.06151500	1	-3.90413900	1.08193300	-0.62019000
1	1.44042600	-2.94997400	2.72856000	6	4.54802500	1.38029300	0.95010900	6	-6.57863200	-0.66387600	0.56289600
6	1.75184200	-4.35276500	1.09167200	1	4.77003100	2.43712300	1.14222700	1	-6.45754800	-2.49493200	1.70394000
1	1.90501400	-5.20325600	1.75977900	1	5.43140600	0.94473100	0.46420200	1	-6.36468600	1.14897600	-0.59293800
6	1.81430700	-4.53684800	-0.27547400	1	4.44069300	0.87378800	1.91926300	1	-7.67040500	-0.63021000	0.57016600
1	2.00797400	-5.52616400	-0.69669100	27	0.39717800	0.47183500	-0.26347700	8	2.52981900	-0.59995300	2.98561500
6	1.62989700	-3.44283500	-1.15556300	6	-2.29722200	-0.84824100	0.55200800				
6	1.69948800	-3.53786500	-2.56814100	6	-1.38510000	0.04325100	0.08461800				
1	1.88703800	-4.50774700	-3.03472000	1	-1.91191900	-1.77551700	0.99643400	TS12 ^s			
6	1.53957100	-2.39736400	-3.32776200	6	-1.36852500	1.38596600	-0.44899400	7	2.48221400	0.24013400	0.87261900
1	1.60340800	-2.43174400	-4.41684800	6	-1.83783800	2.57837900	0.19381200	7	1.19302400	-1.30858100	-0.83441800
6	1.31203300	-1.16589300	-2.69250700								

7	0.85746900	2.47571600	0.05119400	1	0.33699200	5.31225500	0.10305900	6	-4.17484200	-3.90583300	1.04814600
6	3.11296900	-0.98287500	0.54166600	6	1.09751600	2.72952500	-1.39371000	1	-2.11520600	-3.56455900	1.57367400
6	4.34586600	-1.38727200	1.01846400	1	0.10912900	2.91770000	-1.83966500	6	-5.19021700	-2.23581900	-0.35739300
1	4.89989800	-0.73551500	1.69557200	1	1.44716900	1.76331200	-1.82915700	1	-3.95899600	-0.58930900	-0.95451400
6	4.87722200	-2.62565500	0.61308800	6	2.09034500	3.80963700	-1.76793900	6	-5.29030900	-3.43230600	0.35520600
1	5.85148100	-2.93890100	0.99359500	1	1.81747500	4.79314100	-1.36274100	1	-4.23236100	-4.84441400	1.60510600
6	4.18785200	-3.43993700	-0.26584400	1	2.12557500	3.90578800	-2.86097500	1	-6.05152800	-1.86277500	-0.91742300
1	4.61019300	-4.39618600	-0.58351800	1	3.10597300	3.56353300	-1.43043200	1	-6.22689200	-3.99451900	0.36317100
6	2.93350700	-3.04394200	-0.78698500	27	0.70784400	0.41292800	-0.25419000	8	4.08127800	1.61110600	-0.08693900
6	2.18129600	-3.79779900	-1.72413900	6	-1.57457400	-1.29558700	0.37012700	1	1.73490800	0.25583500	1.66759800
1	2.56050700	-4.76149500	-2.07138100	6	-1.17874400	-0.01266600	0.03550200	6	-0.14453700	-0.33389400	3.33845000
6	0.98386000	-3.29215300	-2.18417200	1	-0.78088500	-1.94347800	0.76570600	1	-0.18329900	0.12961600	4.34671800
1	0.37938100	-3.84410500	-2.90559700	6	-2.19609600	1.00694300	-0.30400800	1	-1.18283600	-0.67537800	3.12201000
6	0.51229600	-2.05601700	-1.71442000	6	-3.04688800	1.53336100	0.68293100	1	0.45571900	-1.26614700	3.45001200
1	-0.44842700	-1.65474300	-2.04101300	6	-2.30697000	1.50881100	-1.61066700	8	0.33464100	0.52460500	2.37375900
6	2.39658700	-1.79407600	-0.36718100	6	-3.96617500	2.53268500	0.37473300	1	-0.35009900	0.26849400	1.08200500
6	3.02862200	1.46514600	0.50349300	1	-2.96836200	1.14823700	1.70448000				
6	2.07618800	2.58469900	0.87454000	6	-3.23952200	2.49554100	-1.92510200				
1	1.75713500	2.46227800	1.92139200	1	-1.64327200	1.10709000	-2.38481300	TS13 ^S			
1	2.58274000	3.55493500	0.76070400	6	-4.06863400	3.01894500	-0.93036600	7	-1.51308000	-0.18453500	-2.00161800
6	-0.24212800	3.27140500	0.64682300	1	-4.61470900	2.93393000	1.15802100	1	-0.55817500	-0.52079700	-1.86584600
1	-0.54772900	2.71656600	1.54828900	1	-3.31823200	2.86342100	-2.95162700	7	-2.05439200	0.09679900	0.71206000
1	-1.08243100	3.23568100	-0.05578800	1	-4.79255400	3.80059600	-1.17207000	7	-0.11412100	2.31983100	-0.55985900
6	0.07005000	4.71346800	0.98507200	6	-2.86605200	-1.96177100	0.33424400	6	-2.52822500	-0.97492400	-1.40839700
1	0.87602900	4.81846100	1.72454900	6	-2.98670400	-3.18675200	1.03016800	6	-3.25322400	-1.88714500	-2.14107900
1	-0.82382200	5.17672300	1.42385300	6	-4.00457700	-1.50943000	-0.37172200	1	-3.00789800	-2.02272500	-3.19581900

6	-4.30560400	-2.61523600	-1.54587500	6	-1.73985100	4.32321800	-0.62733300	6	5.52457200	0.29103500	-0.18928000
1	-4.85982700	-3.34414900	-2.14059200	1	-1.01062800	5.07798300	-0.94215500	6	4.32627900	-1.77880000	0.11427500
6	-4.66208400	-2.37428300	-0.23965000	1	-2.45923000	4.82850300	0.03172200	6	6.68406600	-0.41754600	-0.48584400
1	-5.50775100	-2.89683900	0.21413300	1	-2.30405300	3.99114200	-1.50790300	1	5.54230900	1.38496500	-0.18482300
6	-3.95571800	-1.42164800	0.53933100	27	-0.06976300	0.38811000	0.54844200	6	5.48757100	-2.48499300	-0.17673600
6	-4.32180500	-1.09041300	1.86225000	8	0.45313400	1.56511600	2.30293500	1	3.41784700	-2.32435500	0.37734900
1	-5.18098800	-1.58610900	2.32091500	6	0.61194900	0.96809500	3.53870200	6	6.67223500	-1.81236800	-0.48601600
6	-3.59689400	-0.13559200	2.54633400	1	1.46715400	0.25800600	3.58170900	1	7.60602000	0.12292900	-0.71431800
1	-3.86519000	0.16936600	3.55852000	1	0.80375700	1.72105200	4.32764400	1	5.47147700	-3.57751900	-0.15375300
6	-2.46233700	0.42040700	1.93864300	1	-0.28088000	0.38873900	3.87340400	1	7.58167200	-2.37269100	-0.71432400
1	-1.81705500	1.13154500	2.46797200	6	3.13379300	0.43484700	0.39515600	8	-2.81338900	1.67910900	-1.98023000
6	-2.82935600	-0.75356800	-0.03327800	6	1.83709800	0.03682300	0.48588600				
6	-1.70601200	1.17808800	-2.00669700	1	1.25596000	0.84607400	1.41318900				
6	-0.43913800	2.00583400	-1.96300600	1	3.35390300	1.48910900	0.60401200	TS15 ^S			
1	0.41675200	1.45404900	-2.38299200	6	1.13674000	-1.18597800	0.17538400	27	0.80017200	-0.75821600	-0.14976600
1	-0.59174800	2.91269700	-2.57519800	6	0.21127800	-1.57163900	1.21882500	7	0.03331300	1.26302900	0.60679300
6	1.23383000	2.92636200	-0.46502300	6	1.20115400	-1.93139600	-1.04169800	7	-1.05018100	-1.12917200	-0.15608600
1	1.91329200	2.23055800	-0.97509900	6	-0.66061800	-2.67330100	0.94991400	7	2.47579300	0.27219300	-0.51713800
1	1.50278100	2.90617800	0.60213400	1	0.46089400	-1.37307300	2.26967700	6	-1.34480500	1.22481400	0.37571700
6	1.44203300	4.32042900	-1.02291700	6	0.33807700	-2.98646600	-1.24734300	6	-2.17488400	2.33305700	0.45427100
1	1.07500200	4.43424900	-2.05337000	1	1.93905000	-1.64844900	-1.79985900	1	-1.72890600	3.30492000	0.66650200
1	2.51959300	4.53448200	-1.04502300	6	-0.60836600	-3.34744500	-0.24686400	6	-3.56253000	2.20147000	0.26911100
1	0.97887400	5.10152200	-0.40682500	1	-1.36467300	-2.99733100	1.72362400	1	-4.19761400	3.08707900	0.34318300
6	-1.14901300	3.14559700	0.12520700	1	0.37739000	-3.55167400	-2.18202700	6	-4.12655400	0.96994100	0.00743900
1	-0.68886100	3.44722300	1.07781300	1	-1.28647400	-4.18528800	-0.43014000	1	-5.20595200	0.86452500	-0.12478800
1	-1.97812600	2.47850700	0.39202600	6	4.31334100	-0.36888200	0.10222400	6	-3.31208600	-0.18082300	-0.12007400

6	-3.83387800	-1.45998800	-0.44153000	6	0.27149600	-1.38430000	2.73023900	6	-1.35042300	1.76807400	1.48821700
1	-4.91266500	-1.58410400	-0.56017300	1	0.45991100	-1.10849400	3.78595500	1	-0.52568500	2.35851400	1.90029600
6	-2.96790700	-2.51878100	-0.61048800	1	0.51892400	-2.45929000	2.63360700	6	-2.02054800	0.01607600	0.12698500
1	-3.33347200	-3.51671600	-0.85838600	1	-0.82452400	-1.30085600	2.57190200	6	0.52658200	-2.10851600	-0.66054500
6	-1.58890700	-2.31416200	-0.46560100	8	1.01919100	-0.60527800	1.86187500	6	1.97904000	-1.67222000	-0.61712600
1	-0.88155300	-3.13652100	-0.60144700	1	0.46141700	0.48721600	1.41562700	1	2.59832200	-2.53498200	-0.31778000
6	-1.90023000	-0.04989600	0.04473000					1	2.31353000	-1.33249700	-1.61240700
6	0.90114300	2.10405700	-0.03360300					6	3.37412600	0.16229300	0.22615700
6	2.34320900	1.60424800	0.11201400	TS16 ^S				1	3.26252700	1.10268200	0.78558900
1	3.03296000	2.33441900	-0.34425300	27	0.55984900	0.75224300	-0.68728500	1	3.50510600	0.47090700	-0.82176200
1	2.59395400	1.49365600	1.17709800	8	0.09586000	-3.14196900	-0.21077000	6	4.59606400	-0.59474400	0.70458000
6	2.09876100	0.27053700	-1.95823400	7	-0.29083700	-1.06496700	-1.13157200	1	5.50076900	-0.03276600	0.43537800
1	3.01039300	0.36074800	-2.58383700	7	-1.00889400	0.81759700	0.60953400	1	4.68973900	-1.58814600	0.24133900
1	1.49537200	1.16541800	-2.16225300	7	2.07035900	-0.52247700	0.29478200	1	4.61903800	-0.72709800	1.79460900
6	1.29249600	-0.99713800	-2.21316800	6	-1.67625300	-0.99695500	-0.80505500	6	1.62449600	-0.85374300	1.66878500
1	1.84701900	-1.71258100	-2.84501800	6	-2.63107500	-1.86281800	-1.30792900	1	0.52296500	-0.88988000	1.65677300
1	0.33194000	-0.82469000	-2.71556000	1	-2.33265200	-2.65001300	-2.00183200	1	1.87710500	0.02126400	2.28839800
1	1.24216100	-1.78926400	-1.28295600	6	-3.97190000	-1.71711000	-0.91194200	6	2.14094600	-2.13803600	2.29000300
6	3.78981500	-0.36178800	-0.30502700	1	-4.72593100	-2.39584500	-1.31613000	1	1.76358900	-2.21641000	3.31854800
1	4.56478300	0.23471200	-0.82846500	6	-4.34358100	-0.72342700	-0.02660100	1	3.23481600	-2.20095800	2.33937200
1	3.74659300	-1.33156300	-0.82693400	1	-5.39152200	-0.60264400	0.25968100	1	1.77108400	-3.02253300	1.75340500
6	4.14852100	-0.57122500	1.14454700	6	-3.38394900	0.16413600	0.52046700	1	1.08546800	2.59779300	-2.92830000
1	4.42717600	0.36617900	1.64538400	6	-3.69246800	1.20951500	1.42837400	5	1.54091300	1.83587000	-2.10142500
1	5.01186500	-1.24424700	1.22437100	1	-4.72648900	1.36407000	1.74462600	1	2.52898300	1.19423700	-2.42818300
1	3.29950200	-1.00371300	1.69079100	6	-2.66736500	2.00713800	1.90140400	1	-0.22359700	1.41532400	-1.77096000
8	0.60851500	3.07059400	-0.71859000	1	-2.86294900	2.80651200	2.61909400	8	1.62489700	2.37461600	-0.72586600

6	0.99162000	3.60836500	-0.46708700	1	3.31501200	1.35932700	-0.96006100	6	1.19446200	3.16265400	0.10595100
1	0.91394600	3.75386000	0.61973900	6	2.69656200	-1.79312200	-0.20110200	6	0.68778500	4.37603800	-0.40608300
1	1.59192200	4.43030900	-0.88477700	6	-0.82724800	-2.47337400	0.12833200	6	2.35390700	3.21925200	0.90538300
1	-0.01769600	3.64765900	-0.90909100	6	-2.04410900	-1.69982300	-0.35914100	6	1.31994200	5.58512500	-0.13671100
1	0.07479900	-0.53969000	-1.97005200	1	-1.87980000	-0.62239500	-0.37648200	1	-0.20899600	4.35023400	-1.03146100
				1	-2.31092700	-2.02387600	-1.37480800	6	2.97506300	4.43181000	1.18565500
				6	-3.31632100	-0.98106800	1.62595600	1	2.75136800	2.28567400	1.31402500
				1	-4.09448800	-1.34741300	2.31262700	6	2.46537300	5.62106200	0.66148100
TS17 ^s				1	-3.71767500	-0.09266800	1.11076000	1	0.91481000	6.51224100	-0.55112300
27	0.62611700	0.07732400	-0.50212800	6	-4.44326400	-2.37830100	-0.08394300	1	3.86830900	4.45081400	1.81559200
8	-1.09065100	-3.52516100	0.75446100	1	-4.71566200	-1.51888000	-0.71585000	1	2.95898100	6.57268200	0.87317400
7	0.33883100	-1.91107200	-0.17136000	1	-5.19724600	-2.43939400	0.71412700	6	-4.36927300	-3.66942900	-0.85594800
7	2.47035600	-0.46932600	-0.49230100	1	-0.36253600	0.17818100	-1.61665000	6	-2.03060000	-0.67645800	2.34877100
7	-3.15352000	-2.03861500	0.57685000	6	0.55386100	1.89861100	-0.17689400	1	-4.07492000	-4.50930300	-0.21203200
6	1.53978400	-2.59572600	0.01815800	6	-0.65819000	1.41777200	-0.46321800	1	-5.35151000	-3.90288100	-1.28382500
6	1.71937400	-3.94350100	0.33726500	6	-2.05632000	1.78207100	-0.50190900	1	-3.65442900	-3.62420000	-1.68731000
1	0.85253100	-4.57278400	0.52242400	6	-2.59735300	2.60308100	0.51362900	1	-1.26149200	-0.26271700	1.67581600
6	3.01449700	-4.48477400	0.41961000	6	-2.94593400	1.28648200	-1.47991600	1	-2.22271200	0.07827900	3.12119500
1	3.12315200	-5.54417400	0.66680000	6	-3.95838000	2.88492900	0.56029900	1	-1.61554200	-1.56844900	2.83856300
6	4.14104800	-3.71948600	0.19267100	1	-1.92410600	3.00315900	1.27742600	1	-2.73632200	-2.91008200	1.01124900
1	5.14101700	-4.15602000	0.25366600	6	-4.30630100	1.57800900	-1.43294200				
6	4.00646500	-2.34757000	-0.12791800	1	-2.53994300	0.66932400	-2.28832200				
6	5.09885500	-1.48465400	-0.39376900	6	-4.82701800	2.36992300	-0.40700700	TS18 ^s			
1	6.11823100	-1.87590100	-0.35174500	1	-4.34896600	3.51922400	1.36083200	27	0.17911500	0.17576600	-0.35473700
6	4.84892300	-0.16168700	-0.70449000	1	-4.96900200	1.19163900	-2.21327500	7	1.19791000	0.36428400	1.29737400
1	5.66419400	0.53155200	-0.92056600	1	-5.89450200	2.59879100	-0.37077300	7	1.55938000	-0.98012300	-0.85047100
6	3.53167100	0.31159300	-0.73626200								

7	-1.60246200	0.73563700	2.01823900	1	-1.79647900	-2.57391700	2.95474000	6	1.67163600	2.99922400	-3.05835800
1	-1.45362000	0.44514300	0.77049600	1	-1.21084000	-1.95720600	1.39287700	1	0.98068100	1.07968600	-3.74969100
6	2.39442400	-0.34608100	1.27060800	6	-2.97096400	1.29350800	2.13416600	6	0.49530600	3.94912900	-1.18418100
6	3.40011000	-0.42916400	2.23697500	1	-3.13185100	1.58802800	3.18746700	1	-1.18444200	2.81261600	-0.45403800
1	3.31145400	0.14934400	3.15219400	1	-3.66029300	0.45802700	1.93275600	6	1.51666700	4.03493100	-2.13014200
6	4.52183800	-1.25258400	2.01767000	6	-3.26795700	2.44608600	1.20867300	1	2.45665300	3.06132700	-3.81632000
1	5.28979000	-1.29551900	2.79440100	1	-2.66687100	3.33763000	1.43391200	1	0.33642700	4.76718500	-0.47614500
6	4.68354000	-1.99706600	0.86595200	1	-4.32097400	2.73666700	1.31505100	1	2.17496300	4.90548700	-2.15753500
1	5.56282100	-2.62784300	0.71791000	1	-3.10558000	2.18032900	0.15497300	8	1.55344300	1.42178400	3.33348100
6	3.69404600	-1.93789200	-0.14414200	1	-1.01030600	-0.07272600	-2.87847600				
6	3.74818600	-2.65111100	-1.36672900	6	-1.59149600	0.03904900	-0.78626800				
1	4.60027100	-3.30327500	-1.57219700	6	-0.95672500	0.53244700	-1.95579000				
6	2.72156100	-2.51220900	-2.28100700	6	-2.66581000	-0.95938500	-0.86202300	TS19 ^s			
1	2.73407500	-3.04996400	-3.23047200	6	-2.34481600	-2.32086600	-1.01140800	27	-0.62918800	-0.46632900	0.62449800
6	1.64041600	-1.66944100	-1.99187300	6	-4.02554500	-0.61020800	-0.78363300	7	-1.32473900	1.43399800	0.02309500
1	0.81196700	-1.53809300	-2.69451400	6	-3.34006500	-3.29286300	-1.06515300	7	-2.54191700	-0.81819800	0.58551900
6	2.56365100	-1.10447400	0.07628800	1	-1.28853100	-2.60350100	-1.06797800	7	1.62417200	3.48469100	0.00647400
6	0.86601300	1.15201000	2.35404400	6	-5.02067300	-1.58512600	-0.82467900	6	-2.64561100	1.36389700	-0.38207500
6	-0.54794500	1.73811000	2.29531200	1	-4.30503700	0.44388100	-0.69488200	6	-3.40399700	2.34327500	-1.02718900
1	-0.73958000	2.22068400	3.26609400	6	-4.68401600	-2.93211300	-0.96224100	1	-2.92779900	3.28166700	-1.30394600
1	-0.59377400	2.50959000	1.51237300	1	-3.06321700	-4.34372300	-1.18246400	6	-4.76252600	2.12085100	-1.32022200
6	-1.47156100	-0.45605500	2.90602200	1	-6.07057700	-1.28841000	-0.75773300	1	-5.32301100	2.90946800	-1.82910000
1	-2.06475200	-0.26069800	3.81638300	1	-5.46485600	-3.69511100	-0.99552200	6	-5.39813600	0.94076200	-0.99018500
1	-0.42724900	-0.52264800	3.23594300	6	-0.17383200	1.75806000	-2.04600400	1	-6.45242900	0.78033800	-1.22735900
6	-1.87698200	-1.74417200	2.24101000	6	0.84090100	1.88835700	-3.02594100	6	-4.67260900	-0.08398700	-0.33758900
1	-2.91007900	-1.72940100	1.86452900	6	-0.34284800	2.83787700	-1.14715800	6	-5.23001300	-1.33213300	0.03780600
								1	-6.28210500	-1.53365400	-0.18019500

6	-4.44311500	-2.27211500	0.66420500	1	0.00766600	-1.93828200	3.21530100	1	7.14467700	-1.24636300	0.33461800
1	-4.84433700	-3.24238600	0.96131700	1	-0.24600600	-0.71945500	4.48530600	1	4.62686500	-3.68256100	-2.17363000
6	-3.09074200	-1.97804100	0.91762800	6	2.57812200	-0.68100100	0.76098700	1	6.90733700	-2.99214400	-1.43472800
1	-2.43086100	-2.71078700	1.39319600	6	1.24533500	-0.89025300	0.55675800	8	-0.75690500	3.54537200	-0.83085400
6	-3.29726900	0.13420700	-0.03733700	1	0.67261600	-0.35780300	1.62804300				
6	-0.57592000	2.50816600	-0.14794900	1	2.85413500	0.11746700	1.46735500				
6	0.72511700	2.48785700	0.65776200	1	0.88403700	4.00047200	-0.56030500	TS20 ^s			
1	0.52435900	2.79897300	1.69213500	6	0.46051300	-1.91515300	-0.12856600	27	-0.03580400	-1.33607900	-0.19464000
1	1.20034000	1.50275800	0.69127300	6	0.38616400	-3.30639200	0.20610700	7	-0.07225700	0.55080100	-0.52213900
6	2.26838700	4.41433000	0.97249200	6	-0.35468200	-1.38717700	-1.21393300	1	2.32909100	-1.05833000	-0.15545500
1	2.91141100	3.80649700	1.62744900	6	-0.55632400	-4.10373400	-0.39494800	7	-1.77076500	-1.16046100	0.30172700
1	1.45300800	4.80229600	1.59849400	1	1.06537800	-3.70833100	0.96480100	7	2.79125700	-0.06880000	0.29168700
6	3.02809200	5.54185200	0.32340800	6	-1.31773400	-2.26680400	-1.80086400	6	-1.38797100	1.04418400	-0.44213500
1	3.94587100	5.21034900	-0.17810600	1	0.01738400	-0.56388900	-1.83589500	6	-1.88249300	2.31863700	-0.73898400
1	3.32772700	6.26705200	1.08944600	6	-1.44198300	-3.56778300	-1.37937000	1	-1.21483300	3.08052500	-1.12705400
1	2.40923300	6.08008400	-0.40833300	1	-0.63817200	-5.15781800	-0.11640800	6	-3.24609800	2.60635100	-0.53905600
6	2.58696700	2.83218900	-0.93779200	1	-1.95794400	-1.89293300	-2.60691800	1	-3.60089300	3.61148000	-0.78232500
1	3.30726300	2.27513400	-0.31680900	1	-2.19172200	-4.21995900	-1.83548000	6	-4.14056000	1.67125700	-0.05611800
1	3.13548600	3.63986900	-1.44135600	6	3.71938100	-1.35945600	0.16956600	1	-5.19520200	1.91853000	0.08678600
6	1.90806100	1.93347100	-1.93745900	6	5.02014500	-0.98170000	0.56693100	6	-3.68678700	0.36714200	0.25041000
1	1.40337100	1.08590200	-1.45217400	6	3.60956100	-2.34839300	-0.83234000	6	-4.51125300	-0.67851400	0.74304600
1	2.66364600	1.51271800	-2.61212700	6	6.15169900	-1.55796100	-0.00010500	1	-5.57446400	-0.49525900	0.91213300
1	1.16998200	2.47841000	-2.54119900	1	5.13079300	-0.21986800	1.34565300	6	-3.94687600	-1.91574000	0.99765500
8	-0.26092000	0.03256200	2.56779300	6	4.74264200	-2.92023000	-1.39886200	1	-4.55121700	-2.74162400	1.37810200
6	-0.53557100	-0.99741500	3.45239300	1	2.62105800	-2.66557900	-1.17112900	6	-2.58352000	-2.12676200	0.77142900
1	-1.61437600	-1.25512200	3.48532500	6	6.02157500	-2.53422100	-0.98877000	1	-2.12050400	-3.09834600	0.96850000

6	-2.31159700	0.08052300	0.04518300						6	-3.74307800	-1.79540400	0.46919900
6	0.93725200	1.40752100	-0.82434100	TS21 ^s					1	-4.52971900	-1.53140500	-0.25684500
6	2.39849300	0.94877000	-0.70906800	27	0.16391700	1.28055600	-0.32940200		1	-4.18446600	-1.63595800	1.46669500
6	4.25314000	-0.31514100	0.29777900	7	0.39583500	-0.58311900	-0.72871400		6	-3.32267600	-3.23368800	0.27041400
1	4.53666100	-0.49324200	-0.75142800	1	-3.21183400	0.34188000	0.23893800		1	-2.75326000	-3.36637100	-0.65978600
1	4.40357900	-1.27239600	0.82100800	7	1.88497800	1.18737300	0.25245100		1	-4.21398300	-3.87323700	0.22383400
6	5.11408600	0.76417000	0.90718700	7	-2.68685300	-0.76903100	0.30989100		1	-2.68929500	-3.61019200	1.08183000
1	4.94964700	1.74662600	0.44408400	6	1.70866300	-1.01922500	-0.53933600		6	-1.80824000	-0.55716600	1.49203300
1	6.17325100	0.51398300	0.76558200	6	2.28711900	-2.26204500	-0.80719900		1	-2.45304700	-0.11437200	2.26876000
1	4.94966400	0.86349000	1.98828500	1	1.68557800	-3.05797700	-1.23773500		1	-1.09553700	0.24056300	1.17694900
6	2.18627700	0.12271300	1.64138600	6	3.65057400	-2.46730600	-0.51822800		6	-1.05720800	-1.74468800	2.04490500
1	2.76417700	-0.51105600	2.33145800	1	4.08430300	-3.44596800	-0.74077700		1	-1.70158700	-2.40488100	2.64214900
1	1.17160100	-0.32540000	1.56252900	6	4.45100600	-1.48415000	0.03244900		1	-0.26037000	-1.38403700	2.71027700
6	2.09550100	1.54669400	2.13316000	1	5.50587600	-1.67180300	0.24691900		1	-0.57822100	-2.35230600	1.26684500
1	3.06935700	2.04871600	2.20814700	6	3.90130700	-0.21160500	0.32171500		8	-1.37504400	2.35733100	-0.74321300
1	1.64877200	1.55010700	3.13573600	6	4.61442800	0.87660800	0.88910800		6	-1.54086800	3.01708200	-1.97080900
1	1.44874400	2.16694300	1.49811700	1	5.67221900	0.76306200	1.13639100		1	-2.25909400	3.84980000	-1.87666100
8	1.64927000	-2.02803600	-0.72212100	6	3.94881000	2.06831600	1.11757600		1	-0.58584100	3.43528000	-2.32278300
6	1.95924400	-2.25626400	-2.06317300	1	4.46625000	2.92456100	1.55498300		1	-1.92036300	2.34178400	-2.75986800
1	3.01202400	-2.57793600	-2.18306000	6	2.59411200	2.19563700	0.79317200		8	-0.48858600	-2.67262100	-1.21859700
1	1.33399600	-3.05814000	-2.49193100	1	2.05311800	3.13054600	0.96744500		6	-4.00567300	2.22342700	1.20548500
8	0.82796300	2.57320700	-1.20389600	6	2.53061600	-0.00809900	0.02134700		1	-4.48001400	3.18109800	0.93246100
1	2.72680200	0.56774100	-1.68955700	6	-0.60016600	-1.46236700	-1.01091600		1	-3.23083000	2.44398400	1.96496300
1	2.95930300	1.87752000	-0.53572400	6	-1.98430900	-0.82689800	-1.01267400		1	-4.78210800	1.61120400	1.69575300
1	1.81062900	-1.36519700	-2.70562000	1	-1.91522700	0.20427200	-1.38438100		8	-3.49636800	1.57300500	0.07929400
				1	-2.62650900	-1.39152500	-1.70027100		1	-2.44604400	2.03812700	-0.30695600

				1	-3.14925400	1.67621200	1.23272300				
				6	-2.50527600	1.31520900	-1.56300200	TS23 ^S			
TS22 ^S				1	-2.90704100	0.82939000	-2.46426700	27	-0.62588500	0.07658100	1.14105800
27	-0.09782900	-1.11772600	-0.05800600	1	-1.41074100	1.29466700	-1.65891900	7	0.21167600	1.48930400	0.01575100
8	-0.96649800	2.70431400	1.36139200	6	-3.02722000	2.71889800	-1.39205100	7	1.10742900	-0.85295800	0.85405300
7	-0.02970600	0.78111500	0.43916700	1	-2.57360700	3.22151300	-0.52702400	7	-1.83101400	-1.22786600	-0.02494300
7	1.84145100	-0.95270300	-0.13910700	1	-4.12064500	2.75925200	-1.28665700	6	1.46641300	1.07566700	-0.45881600
7	-2.82825200	0.39561500	-0.42918600	1	-2.77113900	3.30885800	-2.28084400	6	2.26049100	1.81583700	-1.32545000
6	1.26828500	1.30185700	0.35038700	6	-4.24167800	-0.07929600	-0.50491100	1	1.88344100	2.76426400	-1.71479800
6	1.68105500	2.62676900	0.51712600	1	-4.30024400	-0.67236700	-1.42950600	6	3.54984000	1.36242300	-1.66357500
1	0.95062000	3.38315300	0.78689400	1	-4.87380500	0.81103200	-0.64927900	1	4.16369500	1.96576200	-2.33636300
6	3.03238600	2.98470800	0.34951500	6	-4.71029000	-0.88468300	0.67711900	6	4.06340100	0.18970900	-1.13822300
1	3.30958500	4.03357400	0.48437500	1	-4.05430400	-1.74356000	0.86890400	1	5.07784000	-0.13381900	-1.38246500
6	4.00297900	2.06125000	0.02442800	1	-5.71491500	-1.27137400	0.46484800	6	3.28283400	-0.59532700	-0.25689600
1	5.04734800	2.35484600	-0.10527900	1	-4.78288500	-0.28364300	1.59302100	6	3.72271100	-1.78675200	0.37793200
6	3.63648300	0.70634600	-0.15099600	1	-2.51349200	-2.63073500	-0.83596400	1	4.73393400	-2.15692600	0.19349500
6	4.55058300	-0.31759800	-0.50105000	5	-1.66285000	-2.37653200	-0.00336100	6	2.86344300	-2.45597600	1.22722700
1	5.60605900	-0.06993700	-0.63903800	1	-2.03091400	-2.34510500	1.17180900	1	3.17324700	-3.37275000	1.73192100
6	4.09275700	-1.60867100	-0.66798100	1	-0.89878000	-1.04383100	-1.29624100	6	1.55674900	-1.97754400	1.41827500
1	4.76953700	-2.41850300	-0.94652100	8	-0.36087000	-3.06176400	-0.16910800	1	0.84091000	-2.53497600	2.03132100
6	2.73248300	-1.88709400	-0.47614200	6	0.11649400	-3.82779700	0.91101300	6	1.96796700	-0.14830600	0.04988700
1	2.34186400	-2.89809700	-0.61797000	1	-0.00636800	-3.31027000	1.87839400	6	-1.01925100	0.93500300	-0.51702800
6	2.27047600	0.33914200	0.01801400	1	-0.42988200	-4.78226800	0.96807100	6	-1.15763500	-0.44678100	-1.11617400
6	-1.03629200	1.56083700	0.91144000	1	1.18257300	-4.05207900	0.76500800	1	-1.74479300	-0.44083800	-2.05488400
6	-2.42591800	0.92019400	0.90045000	1	-2.14623600	-0.44332600	-0.53931000	1	-0.19126000	-0.92232000	-1.33688100
1	-2.45704600	0.06485800	1.59120800					6	-3.27897200	-0.91984700	0.12020900

1	-3.35134100	0.01739500	0.68767000	7	-0.23119300	1.93320700	-0.06251400	6	3.76694100	0.38995500	-0.46334600
1	-3.68950300	-1.70763000	0.77190300	1	0.46729600	2.94028300	0.33981100	1	3.45746200	1.34106200	-0.01217500
6	-4.09100300	-0.77970700	-1.15141700	7	-0.58724400	-0.51317100	-0.94327800	1	4.18230400	0.62126400	-1.45272500
1	-3.81237400	0.13448100	-1.69219800	7	1.92477900	-0.87070300	0.62918200	1	4.56422900	-0.04599500	0.15654500
1	-5.15334300	-0.68105000	-0.88954500	6	-1.46225100	1.34722900	0.22334100	6	1.51272300	-2.21266000	0.96780600
1	-4.00212900	-1.63083200	-1.83973200	6	-2.50770700	1.96009600	0.90056200	1	1.91279700	-2.89762400	0.20291900
6	-1.53150800	-2.66397400	-0.06167800	1	-2.38916300	2.98911000	1.24555200	1	0.40593700	-2.31164000	0.91070200
1	-1.84566300	-3.08706300	0.90728400	6	-3.70957600	1.26102800	1.12845000	6	1.97581000	-2.64989600	2.34397000
1	-0.43509900	-2.76061300	-0.09277700	1	-4.51938100	1.76528100	1.66109300	1	3.07171300	-2.62574500	2.42278400
6	-2.14086000	-3.46633800	-1.19431300	6	-3.88891400	-0.03722400	0.69049000	1	1.63680400	-3.67011300	2.57196500
1	-3.23392600	-3.53844800	-1.11524000	1	-4.83112800	-0.56178100	0.86493000	1	1.57526600	-1.99115900	3.12792700
1	-1.74918600	-4.49280600	-1.18239100	6	-2.85234100	-0.69400100	-0.01671500	1	1.73049900	1.94461700	-1.76698700
1	-1.90030900	-3.03774000	-2.17832000	6	-2.94191600	-2.00158600	-0.55727100	8	1.58932400	2.58072900	0.89934000
1	-1.73951200	0.87058000	1.76861400	1	-3.85469400	-2.58483600	-0.41223100				
8	-1.97314200	1.77744500	-0.79894500	6	-1.87760700	-2.51484500	-1.26978400				
1	-1.59517800	2.85015500	-0.40507100	1	-1.91943100	-3.51650900	-1.70112100	TS25 ^S			
8	-0.83795400	3.69735500	0.05982900	6	-0.71472800	-1.74301200	-1.43754600	27	0.63940000	-0.48965400	-0.34432300
1	-0.07588100	2.71362100	0.10716200	1	0.15029500	-2.14557400	-1.97494200	8	0.32746900	3.38768200	1.07796700
6	-1.23689900	4.03527600	1.36078400	6	-1.63977000	0.01396000	-0.24300700	7	1.06017200	1.49482500	-0.07938000
1	-0.45692700	4.62669700	1.86802400	6	1.04341400	1.44888500	0.53684600	7	2.50061500	-0.64797200	-0.03188400
1	-2.15162500	4.65038100	1.34272500	6	1.28824200	0.20501300	1.37359200	7	-1.93979100	3.46656500	-0.43761500
1	-1.44031800	3.13885800	1.97642600	1	1.88127500	0.51848900	2.25212900	6	2.42043500	1.70628500	0.19127200
				1	0.31954200	-0.16674500	1.76409900	6	3.08069000	2.93246100	0.31458300
				6	2.62104000	-0.59390700	-0.58185800	1	2.55330700	3.87499500	0.15274500
				1	1.99688700	-0.36296700	-1.56902600	6	4.46465300	2.96579400	0.57197000
TS24 ^S				1	3.01534200	-1.56157400	-0.94274900	1	4.95876800	3.93517200	0.66680700
27	0.85211100	0.84284400	-1.25259800								

6	5.19819100	1.80457000	0.70344300	6	-1.32639600	-5.59223100	0.38441500	1	0.22312800	4.97356200	-1.18297800
1	6.26696900	1.84241500	0.92561900	1	-2.01231100	-3.66331400	1.06975500	1	1.22816800	3.34987300	1.44378900
6	4.57854600	0.54274500	0.52371900	6	0.49463500	-5.57116000	-1.19611300				
6	5.25836700	-0.69760000	0.59590900	1	1.23436800	-3.62003300	-1.75688300				
1	6.32660800	-0.71955400	0.82028500	6	-0.42755000	-6.28464600	-0.42972200	TS26 ^s			
6	4.54380700	-1.86021700	0.36631200	1	-2.05563000	-6.14290100	0.98382200	27	0.46084500	0.19786900	-0.05086800
1	5.03014600	-2.83623100	0.41191700	1	1.19447600	-6.10321600	-1.84538200	8	-1.95480200	1.89896800	1.30242700
6	3.18589600	-1.80216600	0.04019500	1	-0.44883600	-7.37609600	-0.46930700	7	-0.59607900	1.87645100	-0.57011500
1	2.61790800	-2.70967300	-0.17692900	6	-2.57361100	-0.76575600	0.22215100	7	1.95901800	1.30222800	-0.61590900
6	3.18513700	0.51308700	0.23799000	6	-3.45013300	-0.26129500	-0.76041700	7	-4.06581500	0.81151000	-0.26102500
6	0.14186900	2.35659100	0.26280300	6	-3.11103000	-1.03531000	1.49937600	6	0.25802200	2.90372300	-0.21932700
6	-1.26178000	2.21190400	-0.22355000	6	-4.80154100	-0.07019200	-0.48734100	6	-0.10120100	4.19715000	0.15353100
1	-1.23513000	1.53682300	-1.10612600	1	-3.05467100	-0.03611100	-1.75523700	1	-1.15303800	4.43346400	0.32297800
1	-1.79406700	1.63541700	0.54884600	6	-4.46218300	-0.83473200	1.76909500	6	0.88250400	5.19595700	0.28156400
6	-1.65373600	4.04660200	-1.73877100	1	-2.44511000	-1.40988000	2.28217300	1	0.56939900	6.20380200	0.56594400
1	-2.22912500	4.98420500	-1.80913500	6	-5.31883700	-0.35459900	0.77745100	6	2.22074300	4.94537600	0.04193900
1	-2.04020600	3.39640000	-2.55976800	1	-5.46025700	0.30778000	-1.27413600	1	2.96678800	5.73806700	0.12843700
6	-3.37237000	3.41614900	-0.18044900	1	-4.85073500	-1.05813200	2.76619700	6	2.63537400	3.63540300	-0.30362800
1	-3.89746600	2.74603100	-0.90005200	1	-6.37930400	-0.20073600	0.98906300	6	3.97200300	3.24614000	-0.56041500
1	-3.75905900	4.42763200	-0.38744600	6	-3.72813600	3.02544600	1.23490000	1	4.76674500	3.99556500	-0.52181100
1	0.72556500	-1.49460000	-1.40799000	6	-0.18994100	4.33943900	-1.98003400	6	4.25612500	1.92728900	-0.85443100
6	-1.17023800	-0.98835600	-0.05030300	1	-3.16275400	3.62823900	1.96043500	1	5.27649900	1.60257000	-1.06383400
6	-0.35199300	-2.02069800	-0.24790100	1	-4.79953100	3.18269500	1.41767500	6	3.22504900	0.97331800	-0.85591400
6	-0.37228900	-3.46796300	-0.32388400	1	-3.53649700	1.96288800	1.44735000	1	3.43307600	-0.08446900	-1.03700900
6	-1.30406600	-4.20274800	0.43578100	1	0.41860400	3.42435600	-2.04228100	6	1.64627900	2.61665000	-0.38911400
6	0.52500300	-4.18101500	-1.14001900	1	-0.05623300	4.86493000	-2.93485100	6	-1.71120900	1.57340500	0.10645300

6	-2.68053600	0.66074900	-0.64052300	6	-2.18620000	-3.72345400	-1.77732900	27	0.14311100	0.01679500	0.51787100
1	-2.50325700	0.78350000	-1.73227700	1	-1.48358300	-1.68893100	-1.95520900	8	-1.44225200	-0.71422000	-1.57944700
1	-2.37962700	-0.37419800	-0.42058900	6	-1.35036700	-4.96821500	0.11590200	7	-0.66069600	-1.70937100	0.41816900
6	-4.70673200	1.93606100	-0.92678500	1	0.01952800	-3.91278300	1.41259000	7	1.78330200	-1.08170200	0.94536100
1	-5.74304000	1.99020200	-0.55415100	6	-2.14302500	-4.90407500	-1.03205600	7	-3.86316400	-1.46449500	0.07450100
1	-4.79195100	1.74890400	-2.02451500	1	-2.78890300	-3.67366100	-2.68779700	6	0.28476200	-2.58231200	-0.08655800
6	-4.82721800	-0.41622600	-0.45441300	1	-1.30156100	-5.89456300	0.69367700	6	0.05136900	-3.72023400	-0.84838100
1	-4.69990900	-0.81515800	-1.48906800	1	-2.71684200	-5.77686400	-1.35205300	1	-0.95829300	-3.92930300	-1.20706700
1	-5.89315800	-0.14758900	-0.37995600	6	-4.52211200	-1.49822300	0.55708300	6	1.11885700	-4.59192400	-1.13980000
1	1.33183500	-0.98663600	1.99298000	6	-4.02340200	3.26524800	-0.70379600	1	0.91651200	-5.48718200	-1.73259900
6	0.02922600	-1.47287400	0.27889700	1	-4.70225300	-1.13989500	1.58015700	6	2.40797500	-4.34752900	-0.70130100
6	1.28976100	-1.31116800	0.93743700	1	-5.15734400	-2.37762900	0.38225800	1	3.22135300	-5.03353900	-0.94706000
6	2.51908000	-1.98785900	0.50408100	1	-3.48119100	-1.84992700	0.51090000	6	2.69133700	-3.17210500	0.03805600
6	2.63110100	-2.60129400	-0.75988300	1	-3.02868800	3.30705700	-1.17404600	6	3.97726600	-2.76736600	0.47697800
6	3.65455500	-2.00084000	1.33457700	1	-4.61401700	4.07544200	-1.15199000	1	4.83951100	-3.41187000	0.28813700
6	3.82095600	-3.19649800	-1.16709700	1	-3.89931400	3.47561800	0.36689800	6	4.12669100	-1.55696800	1.12137600
1	1.77125000	-2.58827500	-1.43619900	1	-2.06795200	0.64636600	1.88644100	1	5.10586000	-1.21585200	1.46149600
6	4.84716900	-2.59101800	0.92478700	6	-1.18479400	-0.49694600	3.39628100	6	3.00499400	-0.73356200	1.33311500
1	3.59369800	-1.52526900	2.31864000	1	-0.39078200	0.25295200	3.52533800	1	3.11179100	0.24342600	1.81497100
6	4.93942600	-3.19370700	-0.33016600	1	-1.95211200	-0.35354800	4.16527300	6	1.61590800	-2.29131300	0.32595600
1	3.87947200	-3.66419700	-2.15344600	1	-0.76160200	-1.50372600	3.49449100	6	-1.52777800	-0.93248700	-0.28895600
1	5.71378200	-2.58026100	1.59113100	8	-1.79645600	-0.38732200	2.11506600	6	-2.80213900	-0.52804200	0.42022700
1	5.87387900	-3.65730100	-0.65443200	1	-1.05162500	-0.59925700	1.31217300	1	-2.63514600	-0.50040800	1.51173600
6	-0.67008800	-2.64837200	-0.19823600					1	-3.06839500	0.49699400	0.11401900
6	-1.46504200	-2.60920700	-1.36418900					6	-4.30654700	-2.29183500	1.18299800
6	-0.61324700	-3.86088400	0.52158700	TS27 ^s				1	-5.16683200	-2.87947900	0.82372800

1	-4.70226800	-1.66935100	2.02018700	1	-2.87018900	4.11015200	2.36585000	6	3.09170700	-0.20739200	0.02205900
6	-4.96142100	-0.87160400	-0.67337900	1	-1.31379800	5.94621600	-1.20809000	6	3.73341700	-0.38845100	-1.23058300
1	-5.48143900	-0.08878800	-0.07246900	1	-2.58326400	6.13403100	0.93242500	1	4.79881000	-0.16187300	-1.32451000
1	-5.70864400	-1.66691300	-0.82846400	6	-4.55850500	-0.29977000	-2.01246800	6	3.00420600	-0.83134900	-2.31208300
1	0.88975500	0.28433300	-1.82278800	6	-3.24398800	-3.22947000	1.70750600	1	3.47333800	-0.97789000	-3.28715400
6	-0.51114100	1.41769000	-0.61236600	1	-4.04752200	-1.05229200	-2.62716200	6	1.62966000	-1.09085800	-2.15913000
6	0.79867100	1.06021700	-1.04501300	1	-5.44505900	0.05581900	-2.55496300	1	1.02994200	-1.42967600	-3.00976200
6	2.05841500	1.74832700	-0.74610600	1	-3.87416700	0.55482800	-1.91640400	6	1.70678500	-0.53561900	0.09321200
6	2.15960800	2.71143300	0.27953300	1	-2.37032400	-2.69148300	2.10106000	6	-1.49696900	-0.07696800	1.40223800
6	3.24291500	1.35352700	-1.39777100	1	-3.64381900	-3.85205600	2.51963000	6	-1.34890900	1.40903600	1.13853100
6	3.39406800	3.24647100	0.63631500	1	-2.88014800	-3.89641000	0.91282000	1	-2.27779800	1.97100500	1.31344800
1	1.25586900	3.03817100	0.80200400	1	-1.26274600	0.44969700	-1.46709800	1	-0.54700900	1.88494000	1.72763600
6	4.47474100	1.89160300	-1.04279100					6	-1.96817700	1.14311100	-1.28149700
1	3.18169700	0.59482900	-2.18432300					1	-1.82936700	0.08096600	-1.76156200
6	4.55708200	2.84185000	-0.02214100	TS28 ^s				1	-1.73426100	1.74956300	-2.17593800
1	3.44939400	3.99160600	1.43370300	27	-0.96925500	-0.58228400	-0.42786100	6	-3.40428500	1.34642100	-0.87007900
1	5.38037600	1.56602100	-1.56080500	7	-0.32146900	-0.81566800	1.32188400	1	-3.67027100	0.72598800	-0.00336000
1	5.52370200	3.26746400	0.25714100	7	0.98812300	-0.94793100	-1.00384100	1	-4.06653200	1.06267400	-1.69767100
6	-1.05755200	2.68897000	-0.17444400	7	-0.92306700	1.41883000	-0.28697100	1	-3.60423200	2.40161000	-0.63148600
6	-1.78145800	2.82068800	1.03108800	6	0.97224400	-0.36228200	1.32041800	6	0.12403300	2.36939900	-0.67242300
6	-0.91186900	3.84798500	-0.97192200	6	1.64016200	0.19975300	2.41180300	1	0.50305100	2.06238800	-1.66105700
6	-2.32003500	4.04158400	1.42361700	1	1.09176100	0.34840800	3.34502200	1	0.96319700	2.23000700	0.02809800
1	-1.90229600	1.93904700	1.66990000	6	3.00323800	0.53276500	2.32498300	6	-0.34147300	3.80827000	-0.67887600
6	-1.44804200	5.06670700	-0.57252400	1	3.49651900	0.96258400	3.20106100	1	-1.16815700	3.96644100	-1.38751000
1	-0.35987200	3.77290000	-1.91297900	6	3.73181700	0.32469900	1.16853000	1	0.47268000	4.48580500	-0.96825500
6	-2.15812900	5.17591200	0.62587100	1	4.79072900	0.58721300	1.11491900	1	-0.69155600	4.12110400	0.31547600

8	-2.61446200	-0.63553500	1.78329200	1	0.33484900	-3.57013500	0.58874300	1	-0.92697100	3.07655300	2.18495500
1	-2.61504400	-1.51142100	0.93631900	6	2.30951200	-1.04441700	1.35975900	1	-0.18778900	4.67899000	1.95816900
8	-2.26187000	-2.01311600	-0.14038000	6	0.81084200	0.79039300	-0.74497100	27	-0.22810900	-0.49583300	0.36621100
6	-1.80895800	-3.32669300	-0.00397200	6	1.73110400	0.04381700	-1.70418600	1	-1.18302800	-1.69095800	-0.29784100
1	-1.32812300	-3.67069700	-0.93563700	1	2.32729900	-0.71203300	-1.14903900	6	-2.13534300	-1.04357600	-0.09371300
1	-1.07280400	-3.43547400	0.81366900	1	1.07481600	-0.53666300	-2.37511800	6	-1.91398700	0.22982400	0.26949400
1	-2.65041700	-4.01246000	0.20091000	6	3.45274800	1.77728900	-1.82617400	6	-3.29599700	-1.88026500	-0.35898500
				1	2.91495100	2.24421000	-0.98075000	6	-3.14304600	-3.22259100	-0.75220700
				1	3.70884700	2.62195200	-2.48907800	6	-4.60248900	-1.36700800	-0.23639200
TS30 ^s				6	4.73329900	1.11886600	-1.32687100	6	-4.24897900	-4.02599400	-1.00900100
7	1.08597800	0.90147700	0.67367400	1	4.52637700	0.19517300	-0.76333900	6	-5.70429400	-2.17326900	-0.49512400
7	1.21377000	-1.71915400	0.88008400	1	5.29147800	1.78820000	-0.65525300	6	-5.53682000	-3.50551000	-0.88104300
7	2.51377800	0.92927500	-2.52166300	1	5.40792900	0.85623300	-2.15500000	6	-2.74868000	1.40736700	0.37092500
6	2.25142900	0.36430500	1.24323300	6	2.87977200	0.42792400	-3.82593600	6	-2.95315300	2.21828000	-0.76141000
6	3.29544700	1.12882700	1.74128100	1	3.45708500	1.21934600	-4.33230600	6	-3.36186400	1.77300400	1.58227700
1	3.24403900	2.21786700	1.66733600	1	1.95642200	0.31287000	-4.42469900	6	-3.75776800	3.35114700	-0.67938500
6	4.40654400	0.49632100	2.33333700	6	3.65063700	-0.88594800	-3.87458200	6	-4.16916800	2.90483500	1.65392900
1	5.22121600	1.11236600	2.72092000	1	4.61834400	-0.82892900	-3.35735000	6	-4.37035300	3.70030800	0.52524900
6	4.48558000	-0.87985100	2.43252500	1	3.84820600	-1.18676400	-4.91364500	1	-2.13464000	-3.63454600	-0.86218100
1	5.35089600	-1.35675500	2.89819900	1	3.08079400	-1.70395300	-3.40853300	1	-4.74417700	-0.32685200	0.06576800
6	3.42944500	-1.69054400	1.94833300	8	0.17944300	1.79935500	-1.26029800	1	-4.10562100	-5.06547100	-1.31355500
6	3.38758100	-3.10578300	2.02541300	1	0.12446900	2.66761400	-0.41516600	1	-6.70957000	-1.75718100	-0.39448200
1	4.22411100	-3.65025600	2.46941400	8	0.43631200	3.24381600	0.61407300	1	-6.40702800	-4.13393700	-1.08255100
6	2.27990400	-3.77255600	1.54143100	1	0.80020000	2.08879800	0.92135700	1	-2.46151500	1.95009000	-1.69871300
1	2.21429400	-4.86077600	1.58701300	6	-0.56558900	3.79155400	1.42312500	1	-3.20181400	1.15305300	2.46856800
6	1.21553700	-3.05075100	0.97653900	1	-1.44380900	4.10801200	0.83586600	1	-3.90737200	3.96956400	-1.56789100

1	-4.64412600	3.16978000	2.60190000	1	-1.64745200	-2.89545300	2.00536200	6	6.11501000	-2.16766000	-0.53842700
1	-5.00205600	4.58951000	0.58450200	1	-2.74328000	-1.61296200	2.50280100	6	1.39563600	2.32530900	0.58979900
				6	-2.19703200	-2.81316600	-0.57205200	6	1.15183600	2.98762800	1.81087900
				1	-1.09827800	-2.76308600	-0.49153900	6	1.03750300	2.97808300	-0.60987200
TS31 ^s				1	-2.43790400	-2.40088300	-1.57022300	6	0.57499900	4.25247000	1.82539300
7	-1.03391200	0.46994200	1.40614600	6	-2.64958300	-4.26376800	-0.49943900	6	0.45762800	4.24216100	-0.58289400
1	-0.34644000	0.44689800	2.47715700	1	-2.48727400	-4.68882600	0.50278400	6	0.22111600	4.88607600	0.63215700
7	-0.24202100	-0.24641000	-1.03700400	1	-2.08939500	-4.88620000	-1.21176300	1	2.84730400	-2.78953000	0.23194900
7	-2.72609700	-1.91595300	0.43265400	1	-3.71606000	-4.37932200	-0.74061100	1	4.86776700	0.98375300	-0.16568900
6	-1.72654800	1.02821100	0.32523300	6	-4.14200300	-1.62625900	0.43410700	1	4.97203300	-3.98450100	-0.30387900
6	-2.73211300	1.97067700	0.43687300	1	-4.46746200	-1.58823600	-0.62000800	1	6.98858900	-0.19650500	-0.69759000
1	-3.02624500	2.31863300	1.42895600	1	-4.28826600	-0.59647500	0.81480600	1	7.04718500	-2.68790400	-0.77083600
6	-3.36875200	2.46749300	-0.72084700	6	-5.04280000	-2.56753700	1.22230000	1	1.41842300	2.48864800	2.74594500
1	-4.16244300	3.20998100	-0.61114800	1	-5.02662900	-3.59376400	0.83188700	1	1.21523600	2.47033100	-1.56196700
6	-3.01542000	2.02924500	-1.97985300	1	-6.08611500	-2.22120100	1.20159000	1	0.39698100	4.75080400	2.78154800
1	-3.51860300	2.41720200	-2.86839400	1	-4.74463300	-2.61761400	2.28028200	1	0.18402900	4.72828100	-1.52289100
6	-1.96711000	1.08656500	-2.14026100	8	-0.00997000	-0.79935500	2.71957100	1	-0.23584800	5.87792100	0.65016900
6	-1.49055600	0.61747400	-3.38890400	27	0.54392400	-0.54267700	0.65194800				
1	-1.96582600	0.96083200	-4.31093300	1	0.94246900	-1.95122400	0.30899400				
6	-0.41985700	-0.25204300	-3.42326800	6	2.50031400	-0.10775700	0.35799600	BH ₂ OMeNH ₃			
1	-0.02412600	-0.62327300	-4.36970800	6	1.89741200	0.98992500	0.54875100	1	-0.39822500	0.73770500	1.50336900
6	0.18767300	-0.66233900	-2.22428300	6	3.71426900	-0.82918800	0.06237100	1	-1.06784200	1.75600700	-0.16628500
1	1.04647500	-1.33782800	-2.21460400	6	3.76340100	-2.23226400	0.02038900	1	-1.29235300	-1.37829200	0.28564300
6	-1.31298700	0.61117400	-0.97264900	6	4.89721600	-0.10807400	-0.19954300	1	-2.51633700	-0.28307700	0.37003300
6	-0.91014900	-0.93027800	1.70893500	6	4.95216400	-2.89224200	-0.27815500	1	-1.73957800	-0.54820100	-1.05944100
6	-2.04053700	-1.90534400	1.70123500	6	6.08157000	-0.77197600	-0.49666900	5	-0.48932800	0.77994100	0.27971500

7	-1.60703500	-0.46850400	-0.05122300	1	2.37840500	-0.61754600	-2.04205600	6	2.40441800	-2.44764800	0.55495600
8	0.68386200	0.44806200	-0.45409300	6	0.21154200	1.67968000	-1.09105600	6	2.47201000	-3.14921800	-0.66022700
6	1.59997000	-0.41223600	0.12920000	6	-2.70808400	0.33332200	0.60660500	6	3.58726200	-2.30655600	1.29978400
1	1.90840000	-0.08774200	1.14152800	6	-3.00627000	-1.12230600	0.95868700	6	3.67896000	-3.66730900	-1.12544500
1	1.22494400	-1.45500400	0.23655500	1	-2.15520200	-1.79025200	0.75147500	1	1.55239200	-3.26818300	-1.24373400
1	2.50615900	-0.47265000	-0.49386900	1	-3.32331900	-1.22869400	2.00384300	6	4.79520300	-2.82153400	0.83442200
				6	-3.73648400	-1.52062200	-1.36943800	1	3.54991000	-1.77740000	2.25609700
				1	-2.66006000	-1.78746000	-1.40701600	6	4.84836800	-3.50134500	-0.38268400
IM18				1	-3.81684500	-0.45319500	-1.61692700	1	3.70701500	-4.20350800	-2.07771200
27	-0.11512100	-1.06029200	-0.27516400	6	-4.57346700	-2.39034600	-2.26512500	1	5.70284400	-2.69417100	1.43016400
7	-1.50150900	0.49039200	0.05592200	1	-4.52866300	-3.44893200	-1.96794100	1	5.79644100	-3.90311000	-0.74841000
7	0.79261000	0.45553700	-1.27463300	1	-4.17088300	-2.33734700	-3.28380900	6	1.51109600	0.57069500	1.67278100
7	-4.12901600	-1.63052500	0.08579400	1	-5.62821600	-2.08852200	-2.32156100	6	0.86819600	1.66627000	2.29189300
6	-1.03477000	1.72386900	-0.37896600	6	-5.48669000	-1.03068700	0.35438400	6	2.76051200	0.82955300	1.06524500
6	-1.64085000	2.96907000	-0.19319300	1	-6.19321400	-1.63435500	-0.23248700	6	1.42638500	2.93879200	2.30195200
1	-2.58852100	3.01857000	0.33732000	1	-5.45458600	-0.01710600	-0.06208200	1	-0.11303700	1.50468300	2.75029800
6	-1.03181600	4.14252000	-0.67206900	6	-5.85248400	-0.99726200	1.81165200	6	3.31770400	2.10420100	1.07747400
1	-1.53011700	5.09974000	-0.49648600	1	-5.73817000	-1.97470000	2.30347100	1	3.29311100	0.02926700	0.55110800
6	0.16834900	4.11396700	-1.35167500	1	-6.90581600	-0.70798100	1.90998500	6	2.66097400	3.17030400	1.69353800
1	0.63232800	5.03201500	-1.72054800	1	-5.25578800	-0.24656000	2.34404600	1	0.88602200	3.76070000	2.77909800
6	0.81407300	2.87640700	-1.58020100	1	-0.81815100	-2.31245400	-1.11978200	1	4.28106500	2.26729300	0.58599600
6	2.04302800	2.75533000	-2.27513500	8	-3.62285600	1.14865300	0.81374800	1	3.10186300	4.16989600	1.69333300
1	2.53030200	3.65553200	-2.65881000	6	1.10319500	-1.95777700	1.07509500	1	-4.20369200	-2.63214600	0.29254600
6	2.60270400	1.50883100	-2.45439000	6	0.79882700	-0.70072900	1.64823600				
1	3.54872400	1.38074900	-2.98360400	1	-0.07474200	-0.70127600	2.31383200				
6	1.94615800	0.38341100	-1.93165400	1	0.46683400	-2.78002600	1.43752300	IM18 ^S			

27	-0.38839700	-0.48311100	0.41320200	6	3.64610100	-1.06862400	3.59802900	1	-5.63384500	-2.07963800	-1.85701200
7	1.31443400	0.51365100	-0.18428900	1	3.38626900	-2.10723100	3.85171100	1	-7.11126700	-1.20957200	-0.04430300
7	-0.97203100	1.36305600	0.78142200	1	3.19995200	-0.43665100	4.37520500	6	-0.57652300	-1.69899200	-1.30349900
7	3.58297100	-1.54321000	1.13532900	1	4.73565000	-0.95397500	3.68009400	6	0.48962400	-2.11271300	-2.16890600
6	1.08248700	1.87286700	-0.32283800	6	5.03030500	-1.27648700	0.80600200	6	-1.24945100	-0.46803100	-1.63936600
6	1.90756000	2.83239300	-0.91816500	1	5.58937200	-1.52267500	1.72004100	6	0.94885000	-1.29810000	-3.17741700
1	2.84561900	2.51563500	-1.36586100	1	5.10156900	-0.19754500	0.62546500	1	0.94651300	-3.09277600	-1.99725700
6	1.53028400	4.18773900	-0.94056500	6	5.52860500	-2.04798200	-0.38356200	6	-0.74541800	0.33928100	-2.67961900
1	2.20076000	4.90663300	-1.41916300	1	5.31872900	-3.12559400	-0.31319200	1	-2.23247800	-0.23110800	-1.23244400
6	0.35018000	4.63011200	-0.37899900	1	6.61724000	-1.93460700	-0.45389800	6	0.35863600	-0.03645500	-3.41969900
1	0.07289600	5.68672600	-0.39916300	1	5.09722800	-1.65219700	-1.31111600	1	1.77694900	-1.63403300	-3.80917000
6	-0.52414000	3.69726000	0.22733500	1	0.21880400	-0.83128800	1.75366300	1	-1.25658000	1.27999700	-2.90607600
6	-1.76131400	4.04902100	0.82097900	8	3.53161600	0.50221000	-0.93859000	1	0.74375400	0.60697500	-4.21321200
1	-2.07159800	5.09719900	0.82894000	6	-1.82392300	-1.83247600	0.87044700	1	3.53144400	-2.50983500	1.47264700
6	-2.55560200	3.06645600	1.36953000	6	-0.81427500	-2.34327500	-0.04129500				
1	-3.51720600	3.30276800	1.82819400	1	-0.19956900	-3.22248300	0.19983500				
6	-2.12819800	1.72817300	1.32284300	1	-1.67912200	-2.16624700	1.90572100	IM19			
1	-2.75495600	0.92397500	1.71750800	6	-3.25629000	-1.67504300	0.57716800	27	-0.66126600	-0.41521800	-0.23561700
6	-0.15719700	2.31969000	0.24267200	6	-4.12091100	-1.21680500	1.59383300	7	-0.47088900	1.65998100	-0.56530000
6	2.50557700	-0.02516000	-0.47711600	6	-3.84572300	-1.99179500	-0.66347700	7	-2.48226500	0.18718000	0.26795800
6	2.62425600	-1.47711200	-0.03640700	6	-5.48455700	-1.04746800	1.37720600	7	2.69198700	1.31316700	0.36033000
1	1.66281300	-1.86371000	0.33361900	1	-3.69876100	-1.00463500	2.58223900	6	-1.66462400	2.34386800	-0.36099900
1	3.02787900	-2.11772300	-0.82847100	6	-5.21039300	-1.82063300	-0.88265500	6	-1.90974900	3.70727900	-0.54496600
6	3.09442300	-0.66237700	2.25970600	1	-3.21800500	-2.39944900	-1.45990800	1	-1.09437600	4.35226100	-0.86304200
1	1.98970100	-0.70695500	2.21695800	6	-6.04073300	-1.33965400	0.13033600	6	-3.19242300	4.24100300	-0.32209000
1	3.37570000	0.36150800	1.97710500	1	-6.12271400	-0.69251200	2.19131400	1	-3.34887100	5.31090900	-0.48364400

6	-4.24744700	3.45326100	0.09102200	1	4.83709200	3.94786100	-0.19526000	6	-3.39935900	-4.25489900	-0.19576800
1	-5.23895800	3.87968100	0.26209800	1	3.47811700	3.56190100	-1.26110400	1	-3.80152400	-3.46473600	-2.17076200
6	-4.04743600	2.06763600	0.30019600	1	1.66780500	-3.79211400	0.11773200	1	-2.67189500	-4.90109200	1.73102000
6	-5.06970900	1.18259300	0.72624300	8	0.94763200	3.52547100	-0.71793700	1	-4.35841500	-4.76945700	-0.10637800
1	-6.07571500	1.57150800	0.90329500	6	1.54337300	-2.69171900	0.24687900	1	3.39846800	0.57682200	0.20484300
6	-4.77565200	-0.15447000	0.90965500	6	0.37892100	-2.17331400	-0.57530800				
1	-5.53804700	-0.86418500	1.23622500	1	0.64061600	-2.15373000	-1.64740000				
6	-3.47245000	-0.61310900	0.67539500	1	1.34902700	-2.58403300	1.33025900	IM19 ^s			
1	-3.21566400	-1.66772500	0.81930000	6	2.88114900	-2.06058300	-0.03015900	27	-0.44094900	-0.31841200	-0.33600400
6	-2.75188200	1.51862500	0.07415000	6	3.83743100	-1.94721400	0.99265600	7	0.33295300	1.53490000	-0.09313200
6	0.69240200	2.31165400	-0.73907300	6	3.24238600	-1.58267600	-1.30064500	7	-1.93498900	0.63584600	-0.94387300
6	1.86185100	1.35109600	-0.89983000	6	5.08415000	-1.35822900	0.77356100	7	3.65650100	0.55045700	0.56413900
1	1.50298500	0.31965400	-1.05125900	1	3.58749700	-2.32519200	1.98936400	6	-0.71533600	2.44752300	0.00853700
1	2.52890700	1.65186000	-1.71693600	6	4.48764900	-0.99369600	-1.53012900	6	-0.68179400	3.75842600	0.48767200
6	1.84915300	0.86575100	1.52256700	1	2.52998300	-1.66183300	-2.12456800	1	0.25181800	4.15933500	0.87429500
1	1.36761300	-0.07097600	1.17638000	6	5.41421700	-0.86838300	-0.49216100	6	-1.84732900	4.54742800	0.46200200
1	1.04301500	1.60673500	1.61915900	1	5.80214700	-1.28360400	1.59493400	1	-1.79684500	5.56778200	0.85139300
6	2.61171200	0.70492700	2.80941300	1	4.73604800	-0.62893000	-2.53061600	6	-3.04031000	4.07104000	-0.04294600
1	3.52047500	0.10006300	2.68599800	1	6.38904300	-0.40829800	-0.67157500	1	-3.93531200	4.69780400	-0.06063300
1	1.97309600	0.18659100	3.53588700	6	-0.88844000	-2.91296700	-0.42973900	6	-3.11677600	2.74976000	-0.54820700
1	2.89273100	1.66591000	3.26035900	6	-1.86268000	-2.87614900	-1.46346700	6	-4.28771900	2.17988800	-1.10797600
6	3.43678800	2.58653100	0.65723400	6	-1.22483800	-3.67486300	0.71710800	1	-5.20548500	2.77055700	-1.15636100
1	4.12179100	2.34113300	1.48106700	6	-3.08331600	-3.52397500	-1.34816500	6	-4.23839200	0.88721400	-1.59347500
1	2.68799300	3.30251800	1.02204200	1	-1.63544100	-2.31483300	-2.37738600	1	-5.11499900	0.41921400	-2.04553500
6	4.17685100	3.13829200	-0.52957600	6	-2.45371200	-4.32338400	0.82784000	6	-3.05214200	0.15059300	-1.50507800
1	4.80834200	2.38001100	-1.01614300	1	-0.50850500	-3.75719200	1.53929400	1	-3.00170900	-0.87439200	-1.87559900

6	-1.94866500	1.94005400	-0.49717600	6	2.61773700	-2.59537600	0.24890700	7	-0.06116400	1.45203300	-0.23224300
6	1.60667400	1.91206500	0.06810500	6	1.43717800	-2.17084800	-1.81399800	7	-2.15031000	0.30505700	0.94471700
6	2.57411800	0.85460500	-0.43821600	6	3.83518100	-2.60218400	-0.44216500	7	3.39781500	1.10919800	-0.01056600
1	2.05507800	-0.08454700	-0.65385400	1	2.59914800	-2.78483200	1.32797500	6	-1.22942900	2.18837000	-0.21731400
1	3.06798800	1.19756100	-1.35756300	6	2.65090100	-2.16933100	-2.49933800	6	-1.43555100	3.46404800	-0.75246200
6	3.06521300	0.35171800	1.93029900	1	0.50573300	-2.00730200	-2.35861500	1	-0.58746300	3.99748500	-1.17614300
1	2.11871400	-0.18614400	1.76264300	6	3.85996400	-2.36438700	-1.81942200	6	-2.71322000	4.05173300	-0.75013200
1	2.80237300	1.35359800	2.29539400	1	4.76503800	-2.82266400	0.09380700	1	-2.83062400	5.04646800	-1.18835400
6	3.98102300	-0.40049300	2.85698600	1	2.65609600	-2.01304300	-3.58077700	6	-3.81190900	3.41044100	-0.21555700
1	4.27040500	-1.37751600	2.44289400	1	4.80637700	-2.37135200	-2.36579200	1	-4.80024300	3.87591200	-0.22172900
1	3.46293400	-0.59141400	3.80448600	6	-2.37605700	-2.33094400	0.41994000	6	-3.65486400	2.12826800	0.36142000
1	4.89687100	0.15326900	3.10320700	6	-3.50253700	-2.94768600	-0.15777900	6	-4.72087500	1.39333600	0.93391400
6	4.77110100	1.55757800	0.54135100	6	-2.52684700	-1.81255900	1.72297700	1	-5.72655300	1.82219700	0.92680500
1	5.32060900	1.44882500	1.48582900	6	-4.71778600	-3.02853400	0.51744200	6	-4.48120700	0.15606900	1.49038700
1	4.26843200	2.53542100	0.54566000	1	-3.41287300	-3.36695900	-1.16556200	1	-5.28374000	-0.43611700	1.93294400
6	5.68216100	1.35176100	-0.63890700	6	-3.73821500	-1.89945600	2.40131600	6	-3.17028600	-0.34703200	1.48553100
1	6.48695400	2.09617200	-0.61856400	1	-1.68183100	-1.30392200	2.19822200	1	-2.94563900	-1.32187900	1.92968600
1	5.16171900	1.46943500	-1.59873800	6	-4.84663400	-2.50294600	1.80295000	6	-2.35993300	1.52565200	0.37464000
1	6.15348100	0.35754600	-0.62967100	1	-5.57302200	-3.51042400	0.03562500	6	1.10893400	1.97465600	-0.63008600
1	0.19416500	-2.65043200	1.35397100	1	-3.82310800	-1.48034000	3.40760900	6	2.14805300	0.87781700	-0.81147000
8	2.08450200	2.96766700	0.51965700	1	-5.79922500	-2.56250900	2.33428100	1	1.74141200	-0.07553000	-0.47168200
6	0.15547500	-2.13864800	0.37234600	1	4.03468000	-0.36640500	0.27624600	1	2.44065700	0.78794100	-1.86665100
6	-1.13682500	-2.16436200	-0.34169700					6	3.04743700	1.49705800	1.40349200
1	-1.13389500	-2.71599600	-1.29378200					1	2.14388200	0.90612400	1.65902400
1	0.27083700	-1.00142000	0.91733100	IM20				1	2.75428700	2.55497600	1.35590500
6	1.39950600	-2.35649000	-0.41527000	27	-0.21596300	-0.38539100	0.90094300	6	4.17071400	1.23070300	2.36562000

1	4.44914500	0.16652600	2.37119300	1	5.80104800	-2.31833900	-0.34685700	1	-3.43010100	5.04120900	0.32636000
1	3.83700100	1.47765600	3.38071500	6	-1.86010900	-2.18045300	-0.81288000	6	-2.76894400	3.07708700	-0.31550000
1	5.07424500	1.82604800	2.17046200	6	-2.71068100	-1.47807700	-1.69242100	6	-3.97899300	2.65835700	-0.91985100
6	4.33548500	2.08108500	-0.66721700	6	-2.43274800	-3.22187200	-0.05664500	1	-4.83827700	3.33380400	-0.92048700
1	5.03531400	2.41857900	0.10903300	6	-4.06037800	-1.78754000	-1.79896200	6	-4.05333200	1.41050500	-1.50004200
1	3.70274200	2.93302400	-0.95541600	1	-2.29207000	-0.65388400	-2.27930400	1	-4.96786300	1.06033300	-1.98155900
6	5.07163500	1.46557600	-1.82664200	6	-3.78699500	-3.53294600	-0.16564000	6	-2.93196600	0.56753400	-1.46109800
1	5.66763000	0.59330000	-1.51947300	1	-1.80114900	-3.80905800	0.61588000	1	-2.97220500	-0.43205000	-1.90210000
1	5.76146500	2.20103300	-2.25765100	6	-4.61273600	-2.81880100	-1.03322500	6	-1.67530600	2.16256600	-0.33202100
1	4.39828900	1.14702400	-2.63360100	1	-4.69287500	-1.21592800	-2.48345500	6	1.84476000	1.77743200	0.44858600
1	0.05101000	-2.86599500	1.11620600	1	-4.19960100	-4.35248900	0.42925100	6	2.82514100	0.77523500	-0.12757000
8	1.43715100	3.14678500	-0.86623100	1	-5.67359900	-3.06517300	-1.11779900	1	2.34315500	0.09502500	-0.82905300
6	0.43951700	-2.22928500	0.30865900	1	3.86945200	0.19182600	0.03895400	1	3.64238700	1.29952700	-0.63901500
6	-0.46482500	-1.77675700	-0.68442600					6	2.40129500	-0.50242300	1.95518700
1	-0.04998800	-1.27379900	-1.56786700					1	1.47659000	-0.66756200	1.36978600
1	0.77384300	-0.31346500	2.18879100					1	2.21734200	0.37329400	2.59284600
6	1.89532300	-2.32549800	0.11522400	IM20 ^S				6	2.81059000	-1.72109600	2.73408800
6	2.76677100	-2.37429300	1.22343900	27	-0.31691000	-0.29535600	-0.40271100	1	3.01237900	-2.57948500	2.07692000
6	2.48342600	-2.32410900	-1.16539000	7	0.58838500	1.55861000	0.02787800	1	1.98566600	-2.01573400	3.39470300
6	4.14770700	-2.37690800	1.06159200	7	-1.78454600	0.91831000	-0.88688300	1	3.69066600	-1.56210000	3.37360000
1	2.33029100	-2.36441800	2.22625100	7	3.44325400	-0.06929900	0.95781700	6	4.62391500	0.59789300	1.59819300
6	3.86868200	-2.30045100	-1.32975600	6	-0.40166700	2.51129400	0.22117100	1	4.79917400	0.09030000	2.55633500
1	1.83463100	-2.32835300	-2.04547100	6	-0.28036300	3.76943500	0.82073200	1	4.28928300	1.62415000	1.80912900
6	4.71543700	-2.31627900	-0.21912300	1	0.67017400	4.05304200	1.26436900	6	5.84794900	0.54044900	0.72414000
1	4.79459000	-2.42158000	1.94260800	6	-1.36995000	4.65892300	0.85032400	1	6.68484800	1.04226100	1.22417100
1	4.29176700	-2.28989700	-2.33865300	1	-1.23352000	5.63183900	1.33002000	1	5.70122500	1.04546300	-0.23993100
				6	-2.59258100	4.34038300	0.29656100				

1	6.16133400	-0.49422300	0.52054900	1	-5.68787000	-3.15410200	0.19866900	6	2.05901700	-0.00029700	-0.08908200
1	0.42833500	-2.77787100	0.66207600	1	-3.10731000	-2.78060800	3.62669400	6	-0.66050200	-2.06540900	0.25324600
8	2.29987000	2.64803300	1.20674300	1	-5.36549500	-3.24298200	2.67276300	6	-0.81725800	-1.19755500	1.48042500
6	0.13199500	-2.23296900	-0.24460200	1	3.75519600	-0.92595800	0.47513100	1	-1.34743200	-1.77243800	2.25806400
6	-1.25255400	-2.03476700	-0.59781000					1	0.18027100	-0.94904300	1.87905200
1	-1.51490800	-2.20824700	-1.65652300					6	-2.92328200	-0.10548600	0.79302600
1	-0.62357100	-0.27876200	1.03080500					1	-3.02243200	-0.51279800	-0.22544800
6	1.14807300	-1.95458200	-1.21337700	Pre_1 ^d				1	-3.31442600	0.91983300	0.72364200
6	2.50511100	-2.37348100	-1.04217500	27	-0.57824100	0.35594800	-0.99768900	6	-3.73178300	-0.96130600	1.74681100
6	0.85922500	-1.18395800	-2.38763400	7	0.26408000	-1.49352200	-0.71381400	1	-3.45960300	-2.02408700	1.67293100
6	3.49740500	-1.99717400	-1.93546400	1	0.15369200	-2.01980100	-1.58804300	1	-4.79296100	-0.89616000	1.47269900
1	2.73592700	-3.05898500	-0.21913800	7	1.15144800	1.00134000	-0.33697500	1	-3.64821700	-0.66258000	2.80050900
6	1.88252200	-0.77933100	-3.24519900	7	-1.47217800	0.04264100	1.08138100	6	-1.14313800	1.18283800	1.95139300
1	-0.17774900	-0.93916300	-2.64188600	6	1.63108500	-1.33022300	-0.29181800	1	-1.44092100	2.08780900	1.39911900
6	3.20600000	-1.16931500	-3.03308900	6	2.49288600	-2.38939000	-0.08354300	1	-0.04328400	1.22109600	2.01888000
1	4.51787900	-2.37162800	-1.79739000	1	2.14408000	-3.41185600	-0.24680900	6	-1.73868800	1.17421000	3.34345600
1	1.63245400	-0.16631100	-4.11513500	6	3.81599600	-2.13943700	0.33419200	1	-2.83030200	1.29431800	3.32823900
1	3.99099100	-0.87780200	-3.73321900	1	4.49367600	-2.98034000	0.49252900	1	-1.33496000	2.01215100	3.92803600
6	-2.35210400	-2.36836200	0.31175200	6	4.25675300	-0.84872200	0.54298000	1	-1.50696000	0.25171700	3.89769100
6	-3.63357300	-2.64217400	-0.20170700	1	5.28360700	-0.65989500	0.86442400	8	-1.27461500	-3.06552300	0.01219000
6	-2.19534800	-2.42678200	1.71082500	6	3.39397900	0.25576400	0.33470600	17	-1.46197300	2.39282600	-1.25176000
6	-4.70586800	-2.94796900	0.63267100	6	3.77330700	1.61021000	0.50282500	17	-1.88191100	-0.66665000	-2.51898400
1	-3.78106100	-2.62806500	-1.28684400	1	4.78822400	1.85146400	0.82656200				
6	-3.26186300	-2.74282100	2.54494500	6	2.84898300	2.60004100	0.24105500				
1	-1.21717500	-2.20317500	2.14599400	1	3.10738900	3.65410200	0.35333100				
6	-4.52789300	-3.00129800	2.01445000	6	1.55130200	2.26365800	-0.18005800	Pre_1 ^a			
				1	0.79062200	3.01850000	-0.40449800	27	-0.76394000	0.82778500	-0.72175400

7	0.40778900	-1.49870800	-1.06899100	6	-3.79581800	-1.59558000	1.01764900	1	3.91959000	3.64906500	0.45408600
1	0.34005600	-1.50147900	-2.09002700	1	-3.46497100	-2.54900300	0.58449900	6	4.28722700	1.63210600	-0.15612900
7	1.23409800	1.03585300	-0.19998200	1	-4.83376100	-1.44488400	0.69358900	1	5.34322900	1.79416600	-0.38219200
7	-1.52640100	-0.38975200	0.95923000	1	-3.80632300	-1.69356000	2.11129700	6	3.72713100	0.34496000	-0.33379000
6	1.69111500	-1.31416700	-0.49310700	6	-1.31190800	0.34888100	2.22366500	6	4.43770100	-0.78354300	-0.80905400
6	2.55884100	-2.38242400	-0.34611600	1	-1.68269300	1.37058600	2.05744500	1	5.49585200	-0.67975900	-1.06215700
1	2.22410200	-3.37374200	-0.65957400	1	-0.21859400	0.44440200	2.34200900	6	3.79217900	-1.99409100	-0.95517800
6	3.85464300	-2.20476900	0.17744200	6	-1.91698900	-0.25168100	3.47374500	1	4.31648700	-2.87352800	-1.33147400
1	4.51613700	-3.06711300	0.27914800	1	-3.01416300	-0.20879500	3.46446200	6	2.43585000	-2.10052600	-0.60749800
6	4.28724700	-0.95015800	0.54275700	1	-1.58530200	0.31515400	4.35399400	1	1.87538100	-3.03258100	-0.71615900
1	5.29493100	-0.79826700	0.93650400	1	-1.61869200	-1.29864700	3.63338100	6	2.35317300	0.15777800	-0.01483200
6	3.43086200	0.17012200	0.41412200	8	-1.48328800	-2.77963400	-1.07172400	6	-0.78538800	1.81922700	0.66620700
6	3.82485900	1.48084000	0.77528900	17	-1.66448300	2.81279400	-0.09946400	6	-2.22954700	1.31916000	0.64009600
1	4.83328800	1.64775700	1.16190600	17	-1.30933600	0.28669200	-2.83919900	1	-2.48437100	0.87280200	1.61109600
6	2.93318000	2.51875200	0.63530700					1	-2.87449400	2.18449300	0.45202600
1	3.20234800	3.54162400	0.90119200					6	-3.86980300	-0.33838100	-0.25671000
6	1.64009100	2.25114000	0.15181300	Pre_2 ^d				1	-3.92952200	-0.66548800	0.79117200
1	0.88648000	3.04180400	0.06464500	27	0.00421900	-1.11341000	0.63613500	1	-3.82755200	-1.25557400	-0.86172300
6	2.10767800	-0.01098000	-0.09700800	7	0.18342200	0.86434200	0.60549800	6	-5.01489600	0.55206100	-0.65391500
6	-0.67391500	-2.12549600	-0.45690400	1	-1.88732900	-0.53206200	-0.15091500	1	-5.02972400	1.49923100	-0.09736900
6	-0.86676500	-1.70595100	0.98397900	7	1.75304300	-1.06263900	-0.13547600	1	-5.95862000	0.03796600	-0.43377200
1	-1.44644200	-2.47193400	1.52287000	7	-2.50885500	0.27392500	-0.38458700	1	-5.01950900	0.78000500	-1.72817400
1	0.09849800	-1.58949800	1.50020800	6	1.51933400	1.22867900	0.42961500	6	-2.10584400	0.65734600	-1.78284400
6	-2.95469000	-0.44134800	0.51750900	6	2.11910600	2.47853100	0.59650600	1	-2.58643100	-0.07639600	-2.44479200
1	-2.95607500	-0.45797500	-0.58704100	1	1.52101000	3.31692800	0.94056900	1	-1.02689500	0.44902000	-1.83577300
1	-3.38019600	0.53434800	0.79526900	6	3.48738800	2.65610200	0.30747900	6	-2.40860100	2.08199900	-2.17007100

1	-3.47429200	2.33444600	-2.09886600	6	3.38792400	-1.55515700	-0.02634300	Pre_3			
1	-2.10960800	2.23127900	-3.21507800	1	3.23033100	-2.63776500	-0.03463200	27	-0.46244100	-1.93148200	0.00001900
1	-1.84464700	2.80598900	-1.56705400	6	2.41892900	0.55808700	-0.04241800	8	1.70227300	1.65181200	0.00004000
8	-0.62235800	3.03437800	0.71534300	6	-1.17990300	1.10312400	-0.11792400	7	0.03745600	0.02630900	0.00001900
17	-0.88157400	-2.47344500	-0.96200900	6	-2.26211300	0.02699300	-0.24538200	7	-2.34318600	-1.16054400	-0.00006300
17	-1.59001100	-1.40013100	2.18441000	1	-2.29965300	-0.36315700	-1.27291400	7	3.69148100	0.09674700	0.00008200
				1	-2.07881600	-0.83835400	0.41207400	1	3.34929400	1.09726700	0.00007500
				6	-4.63282000	0.52621800	-0.88544300	6	-1.07735600	0.87679500	-0.00001800
				1	-5.53997700	0.95667300	-0.43692900	6	-1.08205400	2.26913500	-0.00001700
Pre_2 ^a				1	-4.81024700	-0.55358400	-0.99939200	1	-0.13766500	2.80658400	0.00001400
27	0.33483100	-1.41708200	-0.08071800	6	-4.30439000	1.19397200	-2.19487700	6	-2.29533400	2.98746100	-0.00005600
8	-1.57464200	2.28242200	-0.02940800	1	-4.10168700	2.26557800	-2.06288600	1	-2.25192400	4.07841100	-0.00005300
7	0.04528400	0.59625400	-0.12395800	1	-5.15263600	1.09599000	-2.88233600	6	-3.51779600	2.35378700	-0.00009600
7	2.29960700	-0.80285100	-0.04681500	1	-3.43361900	0.74511300	-2.68924700	1	-4.45034500	2.92083000	-0.00012500
7	-3.54635500	0.69009700	0.12021700	6	-3.98287800	0.34390900	1.51053900	6	-3.56551300	0.94016100	-0.00009900
6	1.21218000	1.33885000	-0.07519200	1	-4.24734700	-0.72455000	1.50053300	6	-4.76897400	0.19717000	-0.00013800
6	1.33017800	2.72691500	-0.06360500	1	-4.90838600	0.91136900	1.68998800	1	-5.72213100	0.73154200	-0.00016800
1	0.42485300	3.33065400	-0.08380700	6	-2.92794200	0.65038100	2.54108000	6	-4.73749100	-1.18144200	-0.00013800
6	2.59714000	3.34204100	-0.02625500	1	-2.62148100	1.70456200	2.50648200	1	-5.65302600	-1.77302600	-0.00016800
1	2.64757900	4.43364700	-0.01929500	1	-2.03602500	0.01529500	2.42759300	6	-3.49228700	-1.82717900	-0.00009900
6	3.76266600	2.60696400	0.00043400	1	-3.33484000	0.44994500	3.53938200	1	-3.42926000	-2.91967700	-0.00009800
1	4.73963300	3.09455100	0.02780900	1	-3.21698900	1.69685800	0.11973000	6	-2.34192800	0.20739400	-0.00006000
6	3.69562000	1.19252700	-0.00769600	17	-0.46784000	-2.22136100	1.87537100	6	1.29230700	0.48238400	0.00004300
6	4.83585100	0.35484900	0.01554100	17	-0.38422000	-2.39405600	-1.95510500	6	2.37811200	-0.60923900	0.00008000
1	5.82958500	0.80968900	0.04145700					1	2.30387800	-1.26519400	0.87739900
6	4.68517700	-1.01483500	0.00429400					1	2.30390100	-1.26523600	-0.87721000
1	5.54796300	-1.68210800	0.01991700								

6	4.49311000	-0.12221900	1.24771700	6	0.46593200	0.93691900	3.49434100	6	-5.04293600	-3.58313600	1.27454600
1	5.44675800	0.40047600	1.09142300	1	0.12175800	1.70546200	4.18907400	1	-5.34921200	-2.78238100	1.96143100
1	4.71965500	-1.19757000	1.30010400	6	1.76066100	0.47674000	3.56763400	1	-4.05055200	-3.94043900	1.57820100
6	3.79118800	0.38488700	2.47867000	1	2.45780700	0.87440100	4.30747300	1	-5.73542700	-4.41964500	1.42320300
1	3.55913700	1.45557600	2.40448800	6	2.19752300	-0.53897400	2.68277200	27	0.08929700	-0.33472800	-1.20254100
1	4.44140000	0.24718300	3.35018000	6	3.50267700	-1.08437000	2.71499100	8	0.33133500	3.45152500	0.57039500
1	2.85715100	-0.15200000	2.69003600	1	4.22014900	-0.70643400	3.44731900	7	0.72264300	1.45009000	-0.55322400
6	4.49311200	-0.12222700	-1.24755100	6	3.85290400	-2.08988700	1.83919000	7	1.95129700	-0.53941900	-1.75941700
1	4.71966600	-1.19757700	-1.29992400	1	4.84744900	-2.53642200	1.85185100	7	-2.09635500	3.68257200	-0.10633700
1	5.44675600	0.40047800	-1.09126300	6	2.89364300	-2.55419400	0.92638700	6	2.12163700	1.45944700	-0.46206700
6	3.79118500	0.38485800	-2.47851000	1	3.13012400	-3.36658000	0.23166700	6	2.93639600	2.38129700	0.19079100
1	2.85715500	-0.15204300	-2.68987100	6	1.29086000	-1.05018000	1.70847400	1	2.48521700	3.20358400	0.74004000
1	4.44140000	0.24715300	-3.35001800	6	-2.16640500	-1.09877800	0.57432400	6	4.34126700	2.26229900	0.13889700
1	3.55912000	1.45554500	-2.40433700	6	-2.77616100	-2.20122500	-0.28869000	1	4.94447500	3.00744000	0.66142800
1	0.64485600	-3.05113100	0.00004600	1	-2.30248100	-2.31417900	-1.27196800	6	4.96392100	1.25111100	-0.55983700
				1	-2.62923700	-3.15869100	0.23062600	1	6.05222600	1.18191100	-0.60598100
				6	-4.56536900	-1.29827400	-1.75037400	6	4.17795700	0.28648500	-1.23360300
				1	-5.64831500	-1.11486900	-1.74784000	6	4.71487300	-0.78845900	-1.97862500
Pre_4 ^q				1	-4.36681700	-2.05342300	-2.52448600	1	5.79961300	-0.88954600	-2.06409400
27	0.26450800	-2.59650700	-0.50191800	6	-3.79432600	-0.02668700	-1.98432700	6	3.87410400	-1.69389800	-2.59472300
8	-2.94107700	-0.41374600	1.24543200	1	-4.00445300	0.72149300	-1.20639700	1	4.26472300	-2.52370400	-3.18447000
7	-0.80802500	-1.07060800	0.55811200	1	-4.08489000	0.40238900	-2.95097100	6	2.48746000	-1.54516300	-2.44933700
7	1.66505300	-2.05410300	0.85611200	1	-2.70469400	-0.19669600	-2.02332000	1	1.79122200	-2.25703700	-2.90244000
7	-4.23691000	-1.94026200	-0.43461200	6	-5.10134800	-3.14558600	-0.16249300	6	2.75705900	0.39051000	-1.16119900
6	-0.04020800	-0.53010700	1.61909800	1	-4.77546900	-3.92859200	-0.86244100	6	-0.01799700	2.44413300	-0.05916600
6	-0.43421900	0.43882000	2.52945900	1	-6.12004900	-2.85511600	-0.45282100	6	-1.52511700	2.32613300	-0.33675300
1	-1.45179100	0.82193500	2.49984500								

1	-1.74375100	2.00105700	-1.36392100	7	1.95706000	-2.11797400	0.29763100	1	-4.73226600	0.12833500	-2.54678200
1	-1.98944200	1.61328700	0.36253000	7	-4.03086900	-2.29815200	-0.21722900	1	-3.12451200	-0.27364500	-1.93205100
6	-2.23764500	4.47728800	-1.37660200	6	0.29468400	-0.81219200	1.44876800	6	-4.66578500	-3.60577000	0.18669900
1	-2.64962100	5.45083900	-1.07756200	6	-0.03226800	0.02905600	2.50249200	1	-4.42492100	-4.32924000	-0.60561200
1	-3.01209800	3.97117900	-1.97374900	1	-1.05391200	0.39074700	2.60683700	1	-5.75051700	-3.43612300	0.15222300
6	-0.94392500	4.63892800	-2.12712200	6	0.94451000	0.41613600	3.44300000	6	-4.22322900	-4.06003400	1.54945200
1	-0.18027600	5.14702500	-1.52506200	1	0.65362500	1.07842700	4.26057400	1	-4.45466100	-3.31823500	2.32590400
1	-1.12369700	5.25052300	-3.01897800	6	2.24415400	-0.02966000	3.35279700	1	-3.15124800	-4.29090000	1.59985300
1	-0.52624400	3.68342500	-2.47313700	1	2.99306000	0.26979600	4.08855700	1	-4.75598900	-4.98153300	1.81129100
6	-3.34788800	3.73492900	0.71691000	6	2.61958300	-0.89826500	2.29930600	27	0.03507300	-0.07925900	-1.38183800
1	-4.15100900	3.28380200	0.11483100	6	3.92355600	-1.42814800	2.15303600	8	-0.26199000	3.48844600	0.79247100
1	-3.58836600	4.80272300	0.81089000	1	4.69426900	-1.15615400	2.87851900	7	0.44238300	1.63734700	-0.43086200
6	-3.20506300	3.08682800	2.06790600	6	4.20560900	-2.29076000	1.11520000	7	2.06659700	0.02784800	-1.76441600
1	-3.19447500	1.98978900	2.01797900	1	5.19678900	-2.72776300	0.99043100	7	-2.68632300	3.43361400	0.06418500
1	-4.06133900	3.36580700	2.69309900	6	3.18797300	-2.60645600	0.20155200	6	1.81773000	1.76972900	-0.15630800
1	-2.30007800	3.42998000	2.59026000	1	3.38473900	-3.27924100	-0.63936100	6	2.42539200	2.62272400	0.75971800
1	-0.29044200	-4.01906800	-0.88198700	6	1.64055100	-1.28143900	1.33577000	1	1.81685900	3.28732000	1.36682800
1	-1.30109200	4.11002700	0.44151700	6	-1.90592100	-1.36084000	0.56851800	6	3.82972500	2.64480100	0.90447700
1	-4.40621500	-1.24031500	0.32022400	6	-2.55017100	-2.37635900	-0.37270500	1	4.26290100	3.32898300	1.63703300
1	-0.27354800	-1.74940200	-1.91733000	1	-2.25921600	-2.22069200	-1.42173100	6	4.65747600	1.85943100	0.13327400
				1	-2.20097600	-3.38632100	-0.11719000	1	5.74334200	1.91593700	0.23144200
				6	-4.70256800	-1.68083900	-1.40673200	6	4.08775600	0.97763300	-0.81693900
				1	-5.78002500	-1.68182700	-1.19414000	6	4.84043200	0.14822000	-1.68199400
Pre_4 ^s				1	-4.53920700	-2.36332200	-2.25299300	1	5.93196000	0.18685800	-1.64130800
27	0.43367500	-2.38581400	-1.03993600	6	-4.19813900	-0.29027400	-1.68517100	6	4.20026500	-0.69245300	-2.57052000
8	-2.64238300	-0.76683200	1.36344600	1	-4.36957100	0.37560700	-0.82666100	1	4.76119300	-1.32443700	-3.26008400
7	-0.56391600	-1.27430300	0.42836300								

6	2.79775300	-0.74034200	-2.56153100						6	2.58237700	-4.00243600	0.65409300
1	2.24917300	-1.42700200	-3.21734200	Pre_5 ^a					1	3.30845400	-4.56978300	1.25210000
6	2.66741000	0.91360500	-0.92587600	27	0.04325100	-0.27554100	-1.80901100		1	2.11688000	-4.71441400	-0.04290600
6	-0.44834900	2.50094300	0.07384500	8	3.44319800	-0.51180100	0.32509600		6	1.57505600	-3.31894800	1.53913300
6	-1.91334100	2.20908800	-0.28716900	7	1.92095900	0.10622800	-1.32733500		1	2.05538400	-2.59752000	2.21555300
1	-2.05458900	1.96716400	-1.35102600	7	-0.26787400	1.68519600	-1.60648800		1	1.06359300	-4.06377600	2.16059500
1	-2.27990200	1.36450500	0.31695900	7	3.37652700	-3.03650300	-0.17081200		1	0.78687600	-2.78553600	0.96980400
6	-3.00197400	4.29150600	-1.12991200	6	2.10511000	1.49744600	-1.26271800		6	4.53879600	-3.69773700	-0.86573600
1	-3.57377800	5.14624600	-0.74398200	6	3.32954500	2.13256000	-1.08899800		1	4.11194900	-4.37420700	-1.62081100
1	-3.68624000	3.70628600	-1.76365200	1	4.22449800	1.53352100	-0.91862600		1	5.02502600	-4.32584600	-0.10694300
6	-1.77136700	4.74416300	-1.86716500	6	3.43515900	3.53568100	-1.15748700		6	5.50053700	-2.70009600	-1.44977000
1	-1.09776400	5.32351900	-1.22254700	1	4.41888400	3.99498400	-1.04130700		1	5.90971300	-2.02837900	-0.68360500
1	-2.06853500	5.39228300	-2.69986500	6	2.32880700	4.33028000	-1.37333300		1	5.05535900	-2.08683400	-2.24437400
1	-1.19891800	3.91198800	-2.29970900	1	2.41802200	5.41710200	-1.42395600		1	6.34423500	-3.23555800	-1.90012100
6	-3.88989300	3.20781200	0.93109500	6	1.05464000	3.73265800	-1.52209600		27	-1.03475200	-1.39679800	-0.23018400
1	-4.62077100	2.64611800	0.33026100	6	-0.14197300	4.47172900	-1.68716900		8	-1.41100000	1.43541100	2.77432200
1	-4.32160100	4.20443500	1.09717800	1	-0.09349600	5.56234500	-1.73101200		7	-1.74261900	-0.08085800	1.03123700
6	-3.55876000	2.53284700	2.23457800	6	-1.35190700	3.81687000	-1.78075300		7	-2.88318600	-1.69243100	-0.80144400
1	-3.27622400	1.47778600	2.11779300	1	-2.28682100	4.36547600	-1.89702900		7	1.12416500	1.06886000	2.95191100
1	-4.44126400	2.55524400	2.88484100	6	-1.37063500	2.41340700	-1.74106400		6	-3.13646300	0.00616500	0.89754200
1	-2.75370100	3.05717200	2.76885700	1	-2.31262800	1.86291200	-1.82854700		6	-3.98814700	0.84794400	1.60650700
1	-0.19588500	-3.78942700	-1.45802300	6	0.94552600	2.31056600	-1.47421100		1	-3.57225500	1.51203800	2.36060000
1	-1.95630600	3.93923200	0.63423600	6	2.67252900	-0.74003600	-0.62221500		6	-5.37788300	0.84012000	1.37037800
1	-4.12149200	-1.63722800	0.58719500	6	2.53723900	-2.19945900	-1.07154700		1	-6.01007300	1.51271200	1.95308400
1	-0.29645700	-1.38868700	-2.38520700	1	1.48178000	-2.51557700	-1.02702200		6	-5.94665700	0.00413800	0.43631000
				1	2.86855500	-2.31945400	-2.11143900		1	-7.02462900	-0.00339200	0.26585900

6	-5.12268400	-0.86867600	-0.31362200	1	0.30568100	1.58200800	3.36898100	6	2.76032200	-1.97914500	-1.29426800
6	-5.62839800	-1.76211600	-1.28641000	1	3.76719900	-2.29127200	0.46191700	1	1.71639200	-2.32145000	-1.39868800
1	-6.70390300	-1.78859900	-1.47642900					1	3.17411600	-1.89098600	-2.30722100
6	-4.77024700	-2.58786500	-1.98189000					6	2.74544000	-4.09710800	0.03187500
1	-5.13629800	-3.28651800	-2.73441700	Pre_5 ^S				1	3.44771000	-4.76051100	0.55445800
6	-3.39707100	-2.51651000	-1.71262300	27	0.25624700	-0.08589500	-1.84490900	1	2.36198400	-4.65403700	-0.83515900
1	-2.69070900	-3.14857700	-2.25800900	8	3.46493500	-0.57049000	0.48078300	6	1.64833400	-3.63546700	0.95311500
6	-3.71387400	-0.86440600	-0.08471500	7	2.09695500	0.32372700	-1.18097900	1	2.05047600	-3.06484800	1.80245600
6	-1.03241700	0.64955300	1.90044300	7	0.00592100	1.90986500	-1.68683500	1	1.12191400	-4.50558100	1.36328600
6	0.48263900	0.49501900	1.73845200	7	3.55917400	-2.95840300	-0.50460700	1	0.89267800	-3.01495200	0.44030400
1	0.80671400	-0.54634200	1.59269900	6	2.25353600	1.68590100	-0.89189600	6	4.80558800	-3.42682600	-1.21045400
1	0.81533200	1.05640500	0.85469800	6	3.40558200	2.29208500	-0.40426900	1	4.47505700	-3.94380800	-2.12328600
6	1.55572900	0.02114400	3.93295100	1	4.26752600	1.67789900	-0.14209400	1	5.25637200	-4.18438100	-0.55508900
1	1.98191700	0.56049200	4.78982200	6	3.48359000	3.69386800	-0.27257900	6	5.76393400	-2.30192600	-1.48868900
1	2.38507800	-0.52252400	3.45366400	1	4.41350600	4.13605100	0.09092000	1	6.07925500	-1.79486900	-0.56714700
6	0.42628300	-0.87627700	4.36427600	6	2.42101600	4.50924000	-0.59986100	1	5.35554500	-1.54841700	-2.17510500
1	-0.39021500	-0.30837000	4.82928200	1	2.49149800	5.59366100	-0.49656000	1	6.66495300	-2.70628100	-1.96412000
1	0.79325600	-1.59084900	5.11074700	6	1.21866900	3.93498000	-1.07930200	27	-1.20550200	-1.25822900	-0.56870200
1	-0.00117600	-1.46025300	3.53641900	6	0.06705900	4.68605000	-1.41709200	8	-1.52841200	0.78304000	3.03162600
6	2.21556600	2.05526500	2.64382000	1	0.09128200	5.77409800	-1.32057300	7	-1.91772500	-0.30665900	1.00916400
1	2.90619400	1.55233300	1.94865400	6	-1.07092700	4.04459000	-1.85926200	7	-3.16207800	-1.34580500	-1.11798900
1	2.75433300	2.22474500	3.58584600	1	-1.97108100	4.60136200	-2.12048200	7	0.99941600	0.49490900	3.05616200
6	1.65563600	3.33817700	2.09488500	6	-1.06007500	2.64552800	-1.97982700	6	-3.32052600	-0.18628500	0.97878900
1	1.09916100	3.18632300	1.15867900	1	-1.94600300	2.10597900	-2.32960800	6	-4.13175200	0.41737800	1.93489500
1	2.47330900	4.03430600	1.87478000	6	1.14220500	2.51958200	-1.22814400	1	-3.68145900	0.85520500	2.82152600
1	0.98504300	3.83178100	2.81160800	6	2.80729900	-0.63090200	-0.57005900	6	-5.53249100	0.46232300	1.77374700

1	-6.12960500	0.94276700	2.55102600	1	0.92069800	2.87929300	1.56716100	1	3.54656900	-3.27237200	-0.04386300
6	-6.15355100	-0.08375000	0.67388300	1	2.17673900	3.67381700	2.51850500	6	1.61423200	-1.11563200	1.55861000
1	-7.23845500	-0.04798800	0.56034900	1	0.65295100	3.21777700	3.29376700	6	-1.89740600	-1.40267500	0.62319300
6	-5.37110300	-0.70708100	-0.32729900	1	0.16829900	0.87524500	3.57991000	6	-2.48040800	-2.59830700	-0.12596000
6	-5.91973000	-1.29507500	-1.49008600	1	3.86137400	-2.35495300	0.29961900	1	-2.00506300	-2.77274700	-1.09966500
1	-7.00256200	-1.27586800	-1.63519000					1	-2.30596300	-3.49859200	0.47983100
6	-5.09570200	-1.88529500	-2.42663700					6	-4.30545700	-1.89734300	-1.64954300
1	-5.49769500	-2.34516200	-3.32962700					1	-5.39927300	-1.79944700	-1.67409500
6	-3.71249800	-1.88737200	-2.19923600	Pre_TS ^a				1	-4.03702300	-2.69701700	-2.35474700
1	-3.02765000	-2.34297200	-2.92128500	27	0.66410500	-2.35845500	-0.76787600	6	-3.63636300	-0.59096200	-1.98100600
6	-3.95332600	-0.75493200	-0.17174900	8	-2.69380300	-0.67562300	1.23127900	1	-3.94176100	0.20452500	-1.28655100
6	-1.17270100	0.21212000	1.99604500	7	-0.54980000	-1.34975900	0.57425800	1	-3.92166900	-0.28070400	-2.99360200
6	0.34421600	0.12224400	1.77219800	7	2.01821900	-2.08091200	0.67049600	1	-2.53153900	-0.66170100	-1.96891900
1	0.68851600	-0.86993400	1.44653800	7	-3.94909900	-2.39723900	-0.28028300	6	-4.77769700	-3.58880700	0.12545800
1	0.64635400	0.83481300	0.99046000	6	0.24530100	-0.69749800	1.54244400	1	-4.44135300	-4.43205000	-0.49518600
6	1.51363700	-0.69128900	3.81433900	6	-0.16186200	0.27417900	2.44481800	1	-5.80750800	-3.35620700	-0.17739800
1	1.95814800	-0.29507700	4.73747200	1	-1.19997200	0.60047100	2.44937200	6	-4.69150100	-3.87339100	1.59913600
1	2.33917600	-1.10403700	3.21395900	6	0.75364100	0.85006000	3.34914700	1	-5.01113000	-3.01323600	2.20323300
6	0.43634700	-1.69765500	4.12137600	1	0.39937800	1.61981000	4.03768200	1	-3.68642700	-4.16984200	1.92623300
1	-0.37184300	-1.25973700	4.72161100	6	2.07392500	0.46136700	3.37602200	1	-5.35928700	-4.70741000	1.84409500
1	0.86341700	-2.52345000	4.70297200	1	2.77969400	0.91400700	4.07517600	27	-0.04462000	-0.23873900	-1.29479500
1	-0.01608300	-2.13493500	3.21964100	6	2.53155000	-0.54011700	2.48471400	8	-0.21522500	3.51861000	0.61620800
6	2.02773500	1.58119400	2.92292000	6	3.86799900	-1.00252200	2.45772100	7	0.38719000	1.60337700	-0.57275400
1	2.76355600	1.22930800	2.18257600	1	4.59327900	-0.57597200	3.15494100	7	1.90140600	-0.21632500	-1.83003300
1	2.53498300	1.63954200	3.89553400	6	4.24068800	-1.98824100	1.56898700	7	-2.66120200	3.49480500	0.00124500
6	1.40221100	2.89884300	2.55602800	1	5.26068200	-2.37238000	1.53787100	6	1.77293600	1.69938300	-0.38421100
				6	3.28033500	-2.49927700	0.68326600				

6	2.45542600	2.62260800	0.40615100	1	-4.59069600	2.72791300	0.34507400	6	3.96714500	-0.86593300	2.47045700
1	1.89208700	3.36682500	0.96266100	1	-4.25409600	4.29811900	1.07553000	1	4.65624700	-0.46168100	3.21596500
6	3.86277400	2.61360300	0.48595900	6	-3.46824600	2.63715300	2.21263200	6	4.39800600	-1.78251000	1.53583800
1	4.35143900	3.35616000	1.12048400	1	-3.21447600	1.57467800	2.10090900	1	5.42982900	-2.13483200	1.51611600
6	4.62710800	1.72160200	-0.23254300	1	-4.32442400	2.68827900	2.89568900	6	3.48440300	-2.25643100	0.58200700
1	5.71777300	1.74700000	-0.19203800	1	-2.63219800	3.15282400	2.70663000	1	3.80438100	-2.96116900	-0.19179100
6	3.98551300	0.76812400	-1.05711700	1	0.28731100	-3.36641500	-1.86243500	6	1.74325100	-1.00330100	1.49970700
6	4.68551500	-0.16421500	-1.85785400	1	-1.88830900	3.98043700	0.53779200	6	-1.72546500	-1.49654800	0.59903400
1	5.77833200	-0.14974400	-1.85945500	1	-4.12462200	-1.62736600	0.40411700	6	-2.28786800	-2.55779700	-0.34873700
6	3.99274800	-1.06924300	-2.63582000	1	-0.18732600	-1.95432300	-2.02465900	1	-2.06107100	-2.30774900	-1.39562200
1	4.50993100	-1.78100600	-3.28019200					1	-1.84229800	-3.53901900	-0.13917900
6	2.59228900	-1.07790100	-2.57494600					6	-4.53354500	-2.05199800	-1.29954100
1	2.00959800	-1.81222600	-3.14145300					1	-5.59748100	-2.19538600	-1.06639300
6	2.55756300	0.73747700	-1.10154700	27	0.86566800	-2.17295600	-0.90806400	1	-4.30852400	-2.67552400	-2.17691600
6	-0.44846600	2.50841100	-0.06451000	8	-2.52423700	-0.96343800	1.38101400	6	-4.20882900	-0.60022400	-1.52576000
6	-1.93205600	2.25240900	-0.37700800	7	-0.39988700	-1.29734900	0.47525600	1	-4.45535600	0.00736900	-0.64231600
1	-2.10584700	2.02490100	-1.43858100	7	2.20846800	-1.88204000	0.55738300	1	-4.79741500	-0.22088400	-2.36994300
1	-2.30382600	1.41018200	0.22798800	7	-3.76320400	-2.62785700	-0.14741000	1	-3.14269900	-0.44187500	-1.77338800
6	-2.99790800	4.36345700	-1.17806100	6	0.35662700	-0.65334700	1.47773500	6	-4.26066900	-3.98980300	0.25864500
1	-3.52760100	5.23464300	-0.76888300	6	-0.10606500	0.26421600	2.41277700	1	-3.99390000	-4.68031800	-0.55479800
1	-3.72415700	3.80250900	-1.78620000	1	-1.15603300	0.54775300	2.41493200	1	-5.35644400	-3.91725100	0.27294300
6	-1.78410800	4.78187500	-1.96238300	6	0.76603300	0.83160400	3.36287700	6	-3.72363700	-4.42100300	1.59529200
1	-1.06928100	5.33849700	-1.34295400	1	0.36589200	1.55253100	4.07852600	1	-3.98181400	-3.70800700	2.39004700
1	-2.09464300	5.44003300	-2.78223100	6	2.09803000	0.48550500	3.41192900	1	-2.63484500	-4.56158200	1.59938200
1	-1.25294100	3.93375700	-2.41611400	1	2.76436600	0.91543600	4.16224100	1	-4.16670300	-5.38605000	1.86714100
6	-3.83549000	3.29574100	0.91019000	6	2.61568000	-0.44575200	2.48049500	27	-0.19436200	-0.06569900	-1.59723400

8	-0.43839700	3.39653000	0.74467600	6	-2.00996700	4.71777300	-1.79270700	6	2.87577100	3.08023500	0.20953800
7	0.27105600	1.63391800	-0.60590500	1	-1.32636300	5.27003800	-1.13537700	1	3.11956200	4.13618500	0.34467100
7	1.85798200	-0.08670500	-1.87833000	1	-2.32986600	5.40298400	-2.58642500	6	3.85241900	2.20160100	-0.21226600
7	-2.88398500	3.30518200	0.08921600	1	-1.44286600	3.91107000	-2.27736200	1	4.86887700	2.54630200	-0.41352000
6	1.64772600	1.77422900	-0.38407600	6	-4.08118800	2.99908700	0.93761800	6	3.54518000	0.82912700	-0.37251300
6	2.28609700	2.70159200	0.43754000	1	-4.78833900	2.43979300	0.30642600	6	4.47495700	-0.15858500	-0.77836500
1	1.69276500	3.42891800	0.98497300	1	-4.54904800	3.97043600	1.14876300	1	5.50321000	0.13300100	-1.00548100
6	3.69034800	2.71303300	0.56530700	6	-3.73414700	2.27337300	2.20982900	6	4.07057800	-1.47287700	-0.87588400
1	4.14396600	3.45778600	1.22278900	1	-3.40790400	1.23688700	2.04539000	1	4.76381000	-2.25539400	-1.18746600
6	4.49515600	1.83385600	-0.12530900	1	-4.62141400	2.22992200	2.85247300	6	2.74707700	-1.82357400	-0.56072300
1	5.58253400	1.86925100	-0.03571000	1	-2.95390800	2.80103200	2.77693700	1	2.38244500	-2.85089800	-0.63283800
6	3.89853400	0.88273000	-0.98465700	1	0.13987200	-3.00770300	-2.10853500	6	2.21964800	0.39481000	-0.09032800
6	4.63709900	-0.03717300	-1.76671500	1	-2.16013400	3.79386600	0.68062000	6	-1.00655500	1.42086600	1.29844200
1	5.72897900	-0.01818500	-1.71862200	1	-3.88230100	-1.98086200	0.66799200	6	-2.40266400	1.23448000	0.71258100
6	3.98810400	-0.93023600	-2.59470600	1	-0.16277200	-2.05468200	-2.24635900	1	-2.91478700	0.45851200	1.29412500
1	4.54039500	-1.62656800	-3.22675400					1	-2.96347000	2.17383600	0.82524500
6	2.58565400	-0.93231800	-2.61342500					6	-2.91090000	-0.42227000	-1.13489500
1	2.02900200	-1.61313500	-3.26798100	Pre_TS ^d				1	-2.24756700	-1.26445200	-0.87979700
6	2.47455000	0.84322100	-1.08997000	27	0.06812800	-1.30026500	0.46973200	1	-2.94015900	-0.37629100	-2.23386500
6	-0.62060600	2.43992300	-0.01873200	7	-0.07415600	0.77748100	0.45934300	6	-4.28344600	-0.67335100	-0.55855800
6	-2.08980900	2.11828700	-0.33850500	1	-0.90752800	0.65735800	-0.47440900	1	-4.22490500	-0.94394900	0.50438500
1	-2.26405900	1.90729800	-1.40453000	7	1.84931800	-0.92101500	-0.17156700	1	-4.73975700	-1.53110600	-1.06922700
1	-2.41072500	1.23827500	0.23996800	7	-2.23879300	0.83172500	-0.69398900	1	-4.96551200	0.18172900	-0.66842100
6	-3.22295000	4.22187300	-1.05434200	6	1.21782800	1.31535900	0.30883200	6	-2.36077700	1.96054300	-1.63425600
1	-3.79119000	5.05313300	-0.61493600	6	1.55937900	2.65105000	0.46904300	1	-1.89849800	1.64350400	-2.58221700
1	-3.91617000	3.66601100	-1.70406200	1	0.81023400	3.36863900	0.80452600	1	-1.72271400	2.77102400	-1.24269100

6	-3.76707500	2.45777600	-1.87469400	1	5.11811100	-2.24589600	-0.36122300				
1	-4.38994200	1.69766800	-2.36545800	6	3.01187400	-1.87761700	-0.02705900	TS			
1	-3.75229500	3.33821900	-2.52997500	1	2.74268600	-2.93528600	0.04758500	8	-1.44758800	0.58506300	-0.13093200
1	-4.26806300	2.75366400	-0.94186500	6	2.27710700	0.33143100	0.01699400	1	-0.50755800	0.42936300	-0.94719200
8	-0.76616100	2.07066400	2.28312000	6	-0.88006100	1.28483300	1.39595200	6	-2.28794900	-0.53929900	0.00390200
17	-0.18986400	-3.06351900	-0.85417300	6	-2.33053700	0.89763500	1.12366800	1	-1.88171500	-1.43052700	-0.50378000
17	-1.63167800	-1.69437500	1.84913200	1	-2.54851600	-0.02463400	1.68219500	1	-2.42087600	-0.79016600	1.06741400
				1	-3.00592600	1.69026000	1.47772600	1	-3.26861400	-0.30440100	-0.43102800
				6	-3.26260600	-0.52736100	-0.71182300	5	0.05505200	0.37044500	0.31586100
Pre_TS ^a				1	-2.67925000	-1.43477500	-0.50205300	1	0.52597200	0.28563500	-0.91208300
27	0.04550100	-1.47717200	0.08376500	1	-3.36010200	-0.48458000	-1.80609400	1	0.51089000	1.36907600	0.80419600
7	-0.09642400	0.73462500	0.39306200	6	-4.60532600	-0.62688800	-0.02356000	1	0.23411000	-0.70235300	0.83599700
1	-1.09481100	0.49441900	-0.38415500	1	-4.49400100	-0.81733400	1.05280300	7	3.11529600	-0.20129100	-0.14940200
7	2.02624500	-1.00585500	0.10648600	1	-5.15938200	-1.48122800	-0.43375200	1	2.90851400	0.47201100	0.58822000
7	-2.42475300	0.63165400	-0.31912600	1	-5.23617000	0.26314900	-0.14630900	1	3.00878200	-1.10829600	0.30401000
6	1.18934800	1.24156600	0.17942500	6	-2.61375300	1.84748500	-1.13553400	1	4.11656400	-0.10823600	-0.31520100
6	1.46811400	2.60189900	0.14933600	1	-2.29183100	1.58519000	-2.15582300				
1	0.65409900	3.31080700	0.30864100	1	-1.88012200	2.58408300	-0.76694000				
6	2.77327700	3.07966500	-0.06930100	6	-3.99964700	2.44732600	-1.14799200	TS32			
1	2.94432600	4.15802500	-0.09215300	1	-4.72590600	1.79785800	-1.65424200	27	0.19183300	-0.68263100	0.20121700
6	3.82909300	2.21278900	-0.25238100	1	-3.98765800	3.40081200	-1.69186300	7	1.72845400	0.60786100	-0.07713400
1	4.84199000	2.58308000	-0.42342700	1	-4.37508400	2.65612100	-0.13599700	7	-0.57178800	0.91011900	1.18688800
6	3.60283000	0.81753300	-0.20493600	8	-0.52631500	1.97035300	2.32837300	7	3.73420100	-2.04421300	-0.17481200
6	4.63074900	-0.14338000	-0.34798600	17	-0.38463300	-1.50896500	-2.11401900	6	1.45796800	1.89521400	0.38016200
1	5.65411600	0.19737100	-0.52552200	17	-1.21914300	-2.39090000	1.65712800	6	2.26048600	3.02811500	0.22967700
6	4.34189400	-1.48723000	-0.25711200					1	3.22230700	2.93225700	-0.26839600

6	1.83184800	4.27627200	0.71423000	6	5.86124000	-1.60092800	-1.44617900	6	-3.36021500	1.86303400	-1.45586700
1	2.48096900	5.14449500	0.57393800	1	5.69114300	-2.49819200	-2.05979600	1	-3.17511200	0.07643500	-0.29496000
6	0.62160700	4.42528400	1.36120800	1	6.94478800	-1.50763800	-1.30544700	6	-2.87600900	2.64667500	-2.50341600
1	0.29976100	5.39874400	1.73936300	1	5.52425100	-0.71034400	-1.99043600	1	-1.36429000	2.77872000	-4.04554100
6	-0.22175300	3.30430500	1.54458700	1	-0.49287800	-1.98260200	0.78732400	1	-4.22847100	2.19826100	-0.88027500
6	-1.47597900	3.36976200	2.20182000	8	3.96396100	0.90293600	-0.72994300	1	-3.35212600	3.59577100	-2.75925200
1	-1.82858800	4.32931100	2.58827600	6	-1.17248000	-2.03758200	-0.46313000	1	3.68778800	-2.99462300	-0.55837600
6	-2.22735800	2.22185000	2.34075800	6	-0.88295500	-1.03497600	-1.49869100				
1	-3.19866700	2.23590900	2.83879200	1	-0.22367400	-1.37413100	-2.31063600				
6	-1.74081300	1.01535100	1.81630300	1	-0.71883800	-3.00271500	-0.75743000	TS32 ^S			
1	-2.32619400	0.09472900	1.90484300	6	-2.57131400	-2.32495500	0.01261700	27	0.08215400	-0.65236000	-0.60607800
6	0.19828300	2.03440400	1.04999100	6	-2.89951200	-2.45111800	1.36660700	7	-1.43811000	0.49660400	-0.00081700
6	2.90435400	0.26714200	-0.61616500	6	-3.58432700	-2.52458300	-0.93673100	7	0.62268400	0.92662400	-1.49871800
6	2.92390100	-1.17800800	-1.11343600	6	-4.19946700	-2.76323100	1.76657400	7	-3.47787200	-1.84811000	-0.85629600
1	1.92116000	-1.63073200	-1.16026600	1	-2.11509900	-2.29220000	2.11466700	6	-1.07754000	1.83943300	-0.10619700
1	3.39861700	-1.24140500	-2.10061800	6	-4.88232500	-2.83452600	-0.54206800	6	-1.66989100	2.94143700	0.51240500
6	3.10094200	-2.09434400	1.19189900	1	-3.34154800	-2.40768900	-1.99698000	1	-2.54338400	2.79608100	1.14254400
1	2.00088500	-2.04629900	1.02110300	6	-5.19757700	-2.95339400	0.81295400	6	-1.12477700	4.22535800	0.33159400
1	3.36639700	-1.14796600	1.68283400	1	-4.43383600	-2.85246900	2.83063200	1	-1.59581900	5.06974300	0.84180100
6	3.51120100	-3.30285300	1.98406700	1	-5.65894400	-2.97580900	-1.29800100	6	-0.02089900	4.44483700	-0.46859200
1	3.26662500	-4.23973500	1.46176100	1	-6.21878300	-3.18814100	1.12274800	1	0.38900800	5.44920700	-0.60053300
1	2.95191700	-3.31539100	2.92734200	6	-1.62346100	0.17226400	-1.81913000	6	0.60052900	3.35677000	-1.12819400
1	4.57830200	-3.31911200	2.24481200	6	-1.16139400	0.98188700	-2.88740800	6	1.73244000	3.48227900	-1.97306600
6	5.19779600	-1.68187900	-0.10012100	6	-2.75953200	0.65272600	-1.12206400	1	2.17048800	4.46769100	-2.14747600
1	5.65494700	-2.44753100	0.54224600	6	-1.76641900	2.18592300	-3.21881000	6	2.25286400	2.34788300	-2.56579800
1	5.24112000	-0.71454900	0.41521100	1	-0.28158300	0.64881100	-3.44883300	1	3.11586700	2.40467000	-3.23217900

6	1.67432100	1.09843400	-2.31594800	1	1.31411600	-3.07496800	-0.62018500	TS33			
1	2.06953300	0.19659800	-2.78622200	6	2.87698500	-1.72960200	-0.10793800	27	0.44883700	-0.19486100	0.08945000
6	0.06681000	2.05383600	-0.92661400	6	3.62696100	-1.56332400	-1.28178400	7	-0.13925900	1.69220900	0.65344100
6	-2.64780000	0.13843500	0.45773400	6	3.55554100	-1.67068700	1.11746900	7	2.06109500	0.84973500	-0.54484600
6	-2.87262200	-1.37294300	0.45717400	6	4.99621300	-1.31649600	-1.23893200	7	-3.29699400	0.72651900	0.07567600
1	-1.93242500	-1.92644800	0.57910000	1	3.12050900	-1.64400800	-2.24925000	6	0.82947800	2.66252500	0.43150100
1	-3.58904900	-1.63998500	1.24401500	6	4.92564600	-1.41816700	1.16498100	6	0.76472100	4.01478700	0.77371400
6	-2.44300300	-2.00031700	-1.94269200	1	2.99924100	-1.82817100	2.04423300	1	-0.13652300	4.39543500	1.24866100
1	-1.72847700	-1.15050100	-1.83387800	6	5.65234900	-1.23289500	-0.01041800	6	1.84618300	4.87382100	0.50603300
1	-2.97475500	-1.91370200	-2.90014100	1	5.55574800	-1.19106600	-2.16954000	1	1.76341200	5.92540600	0.79291900
6	-1.70308200	-3.30205600	-1.81858700	1	5.43055300	-1.37060300	2.13313600	6	2.99567000	4.42310600	-0.10898600
1	-1.14615700	-3.35651100	-0.87144000	1	6.72561800	-1.03262400	0.02939600	1	3.82855600	5.09935300	-0.31645500
1	-0.95516800	-3.36810900	-2.61882400	6	0.49069900	-0.90145900	1.98238500	6	3.10538200	3.06199500	-0.48299700
1	-2.36380600	-4.17869000	-1.90727700	6	-0.36875600	-1.06091000	3.08871900	6	4.24377500	2.52050700	-1.12920500
6	-4.65832700	-1.03042100	-1.30547800	6	1.22853300	0.30393200	1.91276300	1	5.09264200	3.17148400	-1.35344700
1	-4.96820700	-1.46957200	-2.26504600	6	-0.52372200	-0.05945000	4.04519600	6	4.25868500	1.18299100	-1.46468800
1	-4.27790300	-0.01914300	-1.50397100	1	-0.94281400	-1.99003500	3.17979000	1	5.11960200	0.73106400	-1.96054800
6	-5.77613700	-1.02097400	-0.30002700	6	1.07561200	1.29850800	2.87112400	6	3.14707400	0.38381100	-1.15773300
1	-6.09191900	-2.03846100	-0.02345800	1	1.90520500	0.47328500	1.07089500	1	3.14372000	-0.68197500	-1.40174500
1	-6.64803100	-0.52096600	-0.73864600	6	0.19218500	1.13204300	3.94166400	6	2.02036200	2.17855600	-0.20662900
1	-5.48898600	-0.45788200	0.59629900	1	-1.21325500	-0.21229300	4.88005900	6	-1.38265800	1.99180700	1.05536000
1	0.95717300	-1.52158600	-1.45831200	1	1.64321100	2.22778100	2.76948300	6	-2.25714500	0.74541500	1.17534800
8	-3.59435700	0.85438600	0.81014600	1	0.06590000	1.92221300	4.68504600	1	-1.67560700	-0.18126600	1.08860100
6	1.41727700	-2.06034500	-0.18677700	1	-3.84150600	-2.78896100	-0.66848200	1	-2.79759600	0.73683000	2.13054300
6	0.44945200	-1.88574900	0.89760300					6	-2.70047600	1.16874200	-1.23768500
1	-0.13788600	-2.78452100	1.15021400					1	-1.75501200	0.59851400	-1.31823100

1	-2.43357400	2.22590400	-1.10513700	1	-4.27599000	-2.51223400	-2.58543300	1	-1.71487500	5.58343300	0.84155300
6	-3.61144500	0.95964100	-2.41593000	1	-4.10134300	-3.01098100	1.69310400	6	-2.97951700	4.09783900	-0.04163800
1	-4.01921600	-0.05976100	-2.45127200	1	-5.44089500	-2.94010300	-0.41492400	1	-3.86859100	4.73306300	-0.05411900
1	-3.03080200	1.10380200	-3.33565500	6	2.10127500	-2.67314700	0.59228700	6	-3.07164900	2.77669900	-0.54410200
1	-4.44679600	1.67154600	-2.45623500	6	2.79835100	-2.87980000	1.80601400	6	-4.25171700	2.21782500	-1.09559000
6	-4.51768800	1.51341200	0.46164900	6	2.79841600	-3.00641100	-0.59173300	1	-5.16394900	2.81753400	-1.13793100
1	-5.07211300	1.71655500	-0.46297000	6	4.09483500	-3.37533000	1.83498600	6	-4.21826900	0.92541400	-1.58223300
1	-4.13038700	2.46737200	0.84884400	1	2.29306900	-2.63537800	2.74583300	1	-5.10178800	0.46628500	-2.02985400
6	-5.38071000	0.77365500	1.44821300	6	4.09770100	-3.50729600	-0.56082700	6	-3.03812300	0.17780100	-1.50083500
1	-5.73695000	-0.18427000	1.04159200	1	2.31051700	-2.87705900	-1.56274500	1	-3.00020100	-0.84646500	-1.87479800
1	-6.26341800	1.37778600	1.68939100	6	4.76421900	-3.69524800	0.64972800	6	-1.91135400	1.95491300	-0.49960900
1	-4.86489700	0.56945000	2.39588500	1	4.59353000	-3.51716200	2.79802200	6	1.64716700	1.89623800	0.04679100
1	0.32638500	-2.54115800	-1.48224300	1	4.59599000	-3.75763700	-1.50211400	6	2.60845700	0.82805600	-0.44760900
8	-1.92521600	3.08721700	1.26104200	1	5.78415400	-4.08501300	0.67140800	1	2.08292600	-0.10476500	-0.67309500
6	-0.08881600	-2.04873400	-0.58784900	1	-3.57594300	-0.26100900	-0.04590000	1	3.12363200	1.16860100	-1.35596700
6	0.74695500	-2.14283100	0.61437400					6	3.04629000	0.31839600	1.92923200
1	0.23573600	-2.29786600	1.57261000					1	2.09292900	-0.20098100	1.74124200
1	-0.14487200	-0.77938000	-1.28225300	TS33 ^S				1	2.79508900	1.32425500	2.29158400
6	-1.55839600	-2.32892900	-0.50035200	27	-0.42361900	-0.32391900	-0.32419500	6	3.93179500	-0.45016000	2.87175400
6	-2.33453500	-2.28788600	-1.67289500	7	0.36974500	1.52908800	-0.11042100	1	4.21350600	-1.43096300	2.46137400
6	-2.22806500	-2.60373500	0.70430400	7	-1.91401200	0.65098000	-0.94449200	1	3.39246700	-0.63466900	3.80862200
6	-3.70898900	-2.51929700	-1.65035900	7	3.66725100	0.50866000	0.57487700	1	4.85161300	0.08829600	3.13677000
1	-1.83502200	-2.06992900	-2.62327900	6	-0.66919500	2.45114300	-0.00374200	6	4.79724600	1.49812600	0.57362600
6	-3.61128400	-2.79995700	0.73846600	6	-0.62049400	3.76287000	0.47268200	1	5.32632200	1.38153600	1.52880700
1	-1.65852500	-2.67459300	1.63296300	1	0.31936100	4.15594900	0.85178000	1	4.31019700	2.48380500	0.56754000
6	-4.36330800	-2.75941300	-0.43796900	6	-1.77832400	4.56309100	0.45404700	6	5.72812700	1.27796400	-0.58847600

1	6.54334500	2.01036600	-0.55293900	1	-1.72491600	-1.26898800	2.18943300	6	-2.47846600	1.10550700	0.00005700
1	5.22820300	1.40225600	-1.55832200	6	-4.89262100	-2.46291900	1.79792500	6	-4.20197800	-1.08415200	-0.00003000
1	6.18431900	0.27686300	-0.56951900	1	-5.62086200	-3.47408900	0.03339200	1	-2.41893500	-2.29514500	0.00005600
1	0.15645900	-2.61646400	1.35684500	1	-3.86855900	-1.43587200	3.39927000	6	-3.85368900	1.30054200	-0.00000800
8	2.13277100	2.95117500	0.49087500	1	-5.84588200	-2.51784600	2.32858800	1	-1.81698800	1.97486200	0.00012900
6	0.11134700	-2.13805300	0.36073700	1	4.03519400	-0.41433800	0.29370100	6	-4.72492700	0.20805800	-0.00005700
6	-1.17797300	-2.15059500	-0.34114700					1	-4.87227100	-1.94685800	-0.00005800
1	-1.18810800	-2.67470500	-1.30836000					1	-4.25438000	2.31706000	-0.00001100
1	0.22254300	-0.93380400	0.94906600					1	-5.80564100	0.36622600	-0.00010600
6	1.34987600	-2.35115400	-0.42433600	(E)-stilbene							
6	2.56922500	-2.60182400	0.23789900	6	0.49816300	0.45706400	-0.00008900				
6	1.39067300	-2.16970700	-1.82556500	6	-0.49810000	-0.45606400	0.00011700	H ₂			
6	3.78468500	-2.61885300	-0.45409000	1	0.23258700	1.52053800	-0.00028000				
1	2.54965800	-2.79377100	1.31642400	1	-0.23228200	-1.51950200	0.00031200	1	0.00000000	0.00000000	0.37724500
6	2.60382100	-2.17501700	-2.50999400	6	1.92983500	0.19284100	-0.00005200	1	0.00000000	0.00000000	-0.37724500
1	0.46115200	-2.00635400	-2.37351800	6	2.82476700	1.27932900	-0.00001200				
6	3.81275500	-2.37872800	-1.83130700	6	2.47794500	-1.10525800	-0.00007300				
1	4.71263900	-2.84907500	0.08155700	6	4.20246600	1.08360800	0.00003600				
1	2.60927000	-2.01919900	-3.59157100	1	2.41997400	2.29543700	-0.00000700				
1	4.75878900	-2.39333100	-2.37796800	6	3.85307800	-1.30093800	-0.00002400				
6	-2.42106600	-2.30331100	0.41749000	1	1.81601200	-1.97427100	-0.00015000				
6	-3.54850300	-2.91791700	-0.16003100	6	4.72481200	-0.20884700	0.00003600				
6	-2.57108800	-1.77852100	1.71765700	1	4.87316800	1.94599700	0.00007600				
6	-4.76454200	-2.99335800	0.51435400	1	4.25330600	-2.31763900	-0.00004200				
1	-3.45905900	-3.34036700	-1.16649600	1	5.80545300	-0.36751100	0.00007100				
6	-3.78338600	-1.85973600	2.39501300	6	-1.92971500	-0.19233500	0.00006500				
				6	-2.82419000	-1.27922000	0.00003600				