

## Electronic Supplementary Information

# Mechanistic insight into the borrowing hydrogen reaction catalysed by Pd MLC catalyst: Unveiling the ligand-to-ligand hydrogen transfer pathway

Lan-Yu Li and Cheng Hou\*

School of Chemistry and Pharmaceutical Sciences, State Key Laboratory for  
Chemistry and Molecular Engineering of Medicinal Resources, Guangxi Normal  
University, Guilin, 541004, P. R. China

*\*Author to whom correspondence should be addressed at:  
houcheng@gxnu.edu.cn*

### Table of Contents

1. The comparison of free energy barriers using different functionals.....	S2
2. The calculation details of standard state correction.....	S3
3. The dehydrogenation reaction pathway mediated by active species A-IM0.....	S4
4. The hydrogenation reaction pathway mediated by active species A-IM0.....	S5
5. The alternative reaction pathway mediated by active species B-IM0.....	S6
6. The free energy profile of the chalcone hydrogenation reaction considering B-IM0 as the zero point in free energy.....	S7
7. The DFT calculated energies of all optimized structures.....	S8
8. The cartesian coordinates for all structures.....	S11

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

Functionals	B-IM0	B-TS2	B-TS3	B-IM4
<b>M06-L</b>	0.0	19.8	9.7	-9.1
<b>PBE0-D3(BJ)</b>	0.0	22.0	10.0	-2.6
<b>TPSSH</b>	0.0	14.4	2.9	-10.1
<b>TPSSTPSS</b>	0.0	14.2	2.7	-11.0
<b>BP86</b>	0.0	12.5	0.1	-11.9

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

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 borrowing hydrogenation 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 and mechanism selectivity 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 calculation details of standard state correction

As for the room temperature (298.15 K), the molar volume of an ideal gas in the gas phase standard state (298.15 K, 1 atm):

$$V_m = \frac{RT}{P} = \frac{8.314 \times 298.15}{101325} = 0.02246 \text{ m}^3/\text{mol} = 24.46 \text{ L/mol}$$

The free energy change of the process of compressing 1M ideal gas into 1M solution concentration in the standard state:

$$\Delta G_{1\text{atm} \rightarrow 1\text{M}}^{298.15\text{K}} = RT \ln\left(\frac{V_a}{V_b}\right) = \frac{8.314 \times 298.15 \times \ln(24.46)}{1000} = 7.92 \text{ KJ/mol} = 1.89 \text{ kcal/mol}$$

As for the experimental condition (393.15 K), the molar volume of an ideal gas in the gas phase state (393.15 K, 1 atm):

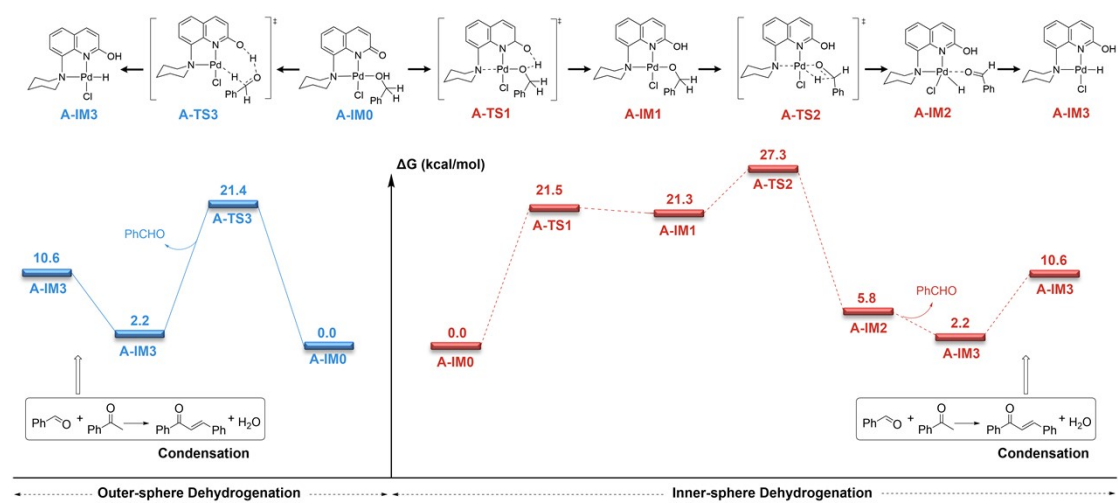
$$V_m = \frac{RT}{P} = \frac{8.314 \times 393.15}{101325} = 0.03226 \text{ m}^3/\text{mol} = 32.26 \text{ L/mol}$$

The free energy change of the process of compressing 1M ideal gas into 1M solution concentration in the standard state:

$$\Delta G_{1\text{atm} \rightarrow 1\text{M}}^{393.15\text{K}} = RT \ln\left(\frac{V_a}{V_b}\right) = \frac{8.314 \times 393.15 \times \ln(32.26)}{1000} = 11.35 \text{ KJ/mol} = 2.71 \text{ kcal/mol}$$

Therefore, a correction factor of 2.71 kcal/mol was applied for the standard state change from 1 atm to 1 M.

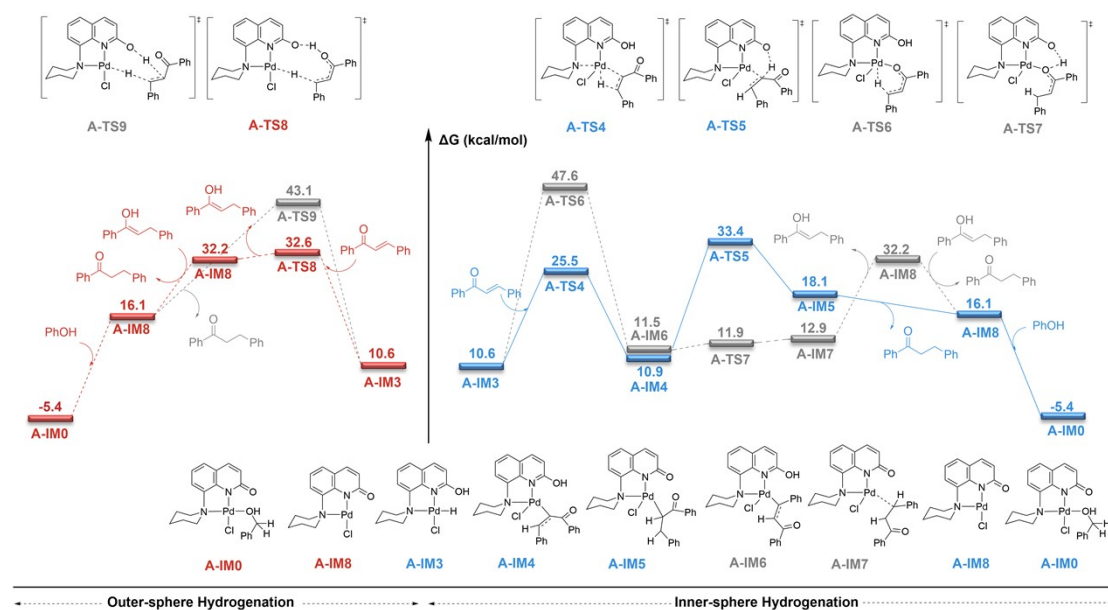
### 3. The dehydrogenation reaction pathway mediated by active species A-IM0



**Figure S1.** Relative free energies (in kcal/mol) of alcohol dehydrogenation reaction.

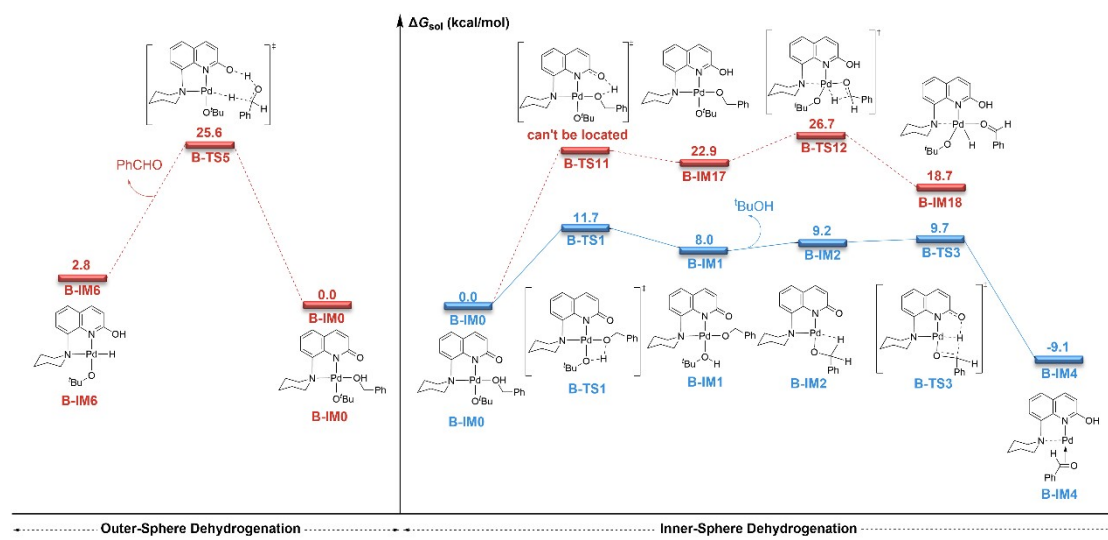
The active species A-IM0 exhibits a preference for the outer-sphere mechanism during the dehydrogenation process.

#### 4. The hydrogenation reaction pathway mediated by active species A-IM0



**Figure S2.** Relative free energies (in kcal/mol) of chalcone hydrogenation reaction.

The active species A-IM0 switches to the inner-sphere pathway for the hydrogenation process



## 5. The alternative reaction pathway mediated by active species B-IM0

Figure S3. Relative free energies (in kcal/mol) of alcohol dehydrogenation reaction.

6. The free energy profile of the chalcone hydrogenation reaction considering B-IM0 as the zero point in free energy

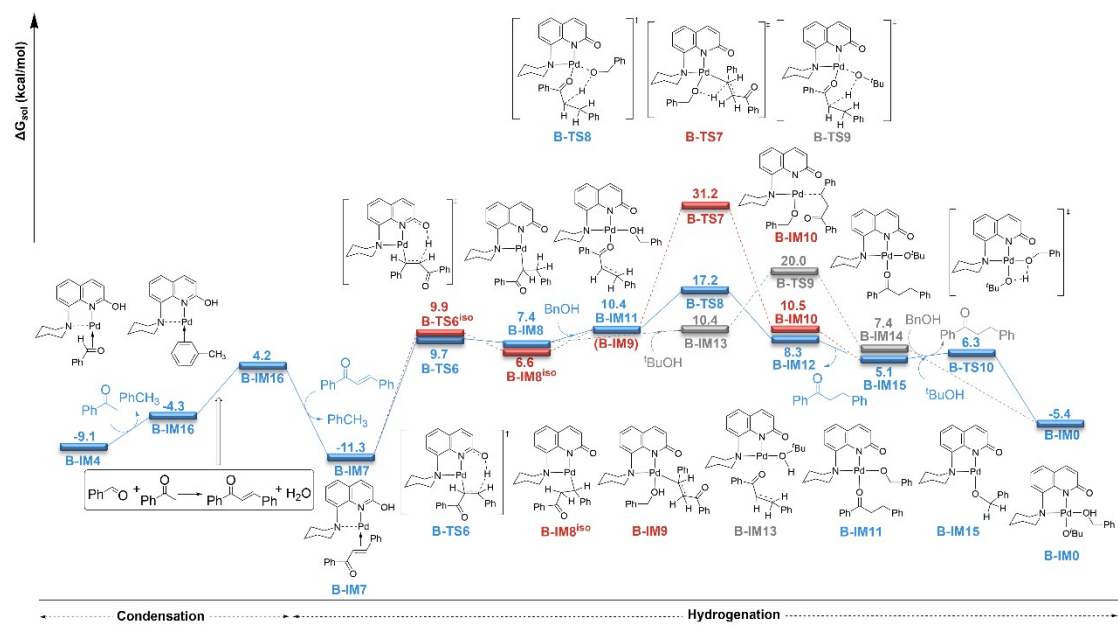


Figure S4. Relative free energies (in kcal/mol) of chalcone hydrogenation reaction.

## 7. The DFT calculated energies of all optimized structures

**Table S2.** The DFT calculated energies of all optimized structures

Species	Gc hartree	G(gas) hartree	Esp + G <sub>SOL</sub> hartree	Final G hartree	<i>i</i> (cm <sup>-1</sup> )
Ph-COCH <sub>3</sub>	0.103772	- 384.463763	- 384.9932708	-384.8895	
BnOH	0.100447	- 346.374027	- 346.8581367	-346.7577	
<sup>t</sup> BuOH	0.107053	- 233.360953	- 233.7325246	-233.6255	
PhCHO	0.079188	- 345.200149	- 345.6606088	-345.5814	
Chalcone	0.17578	- 653.303764	- 654.1953979	-654.0196	
Dihydrochalcone enol form	0.197419	- 654.479224	- 655.3925196	-655.1951	
H <sub>2</sub> O	0.00958	-76.346006	- 76.44736865	-76.43779	
Dihydrochalcone	0.198659	- 654.501053	- 655.4166845	-655.218	
KCl	-0.018883	- 1059.995865	- 1060.219213	-1060.238	
<sup>t</sup> BuOK	0.088184	-832.63647	- 833.0756276	-832.9874	
Toluene	0.097483	- 271.234929	- 271.6268358	- 271.5293528	
<b>pre-catalyst activation</b>					
pre-IM0	0.227274	- 1775.23427	- 1776.59512	- 1776.36785	
pre-IM1	0.339402	-1547.8668	- 1549.44866	- 1549.10925	
pre-TS1	0.334799	- 1547.86778	- 1549.44443	- 1549.10964	-602.06
pre-IM2	0.342676	- 1547.91128	- 1549.49569	- 1549.15301	
<b>active species B-IM0</b>					
B-IM0	0.45089	- 1433.575639	- 1435.500318	- 1435.049428	
B-IM1	0.446197	- 1433.558212	- 1435.482879	- 1435.036682	
B-IM0iso	0.446472	- 1433.548648	- 1435.476238	- 1435.029766	
B-IM1iso	0.447528	- 1433.559899	- 1435.484773	- 1435.037245	
B-IM2iso	0.32242	- 1200.178607	- 1201.720782	- 1201.398362	
B-IM3	0.322244	- 1200.196827	- 1201.733082	- 1201.410838	
B-IM2	0.323429	- 1200.193844	- 1201.732734	- 1201.409305	



B-IM4	0.323349	-	-	-	
		1200.225844	1201.761792	1201.438443	
B-IM5	0.346846	-	-	-	
		1088.363572	1089.810634	1089.463788	
B-IM6	0.349215	-	-	-	
		1088.367027	1089.812687	1089.463472	
B-IM7	0.423841	-	-	-	
		1508.351678	1510.317494	1509.893653	
B-IM8	0.42628	-	-	-	
		1508.321251	1510.290219	1509.863939	
B-IM8iso	0.423178	-	-	-	
		1508.320675	1510.288359	1509.865181	
B-IM9	0.54366	-	-	-	
		1854.694057	1857.160375	1856.616715	
B-IM10	0.542357	-	-	-	
		1854.694848	1857.15896	1856.616603	
B-IM11	0.545669	-	-	-	
		1854.694742	1857.162415	1856.616746	
B-IM12	0.544233	-	-	-	
		1854.696803	1857.164357	1856.620124	
B-IM13	0.548857	-	-	-	
		1741.680848	1744.033379	1743.484522	
B-IM14	0.544773	-	-	-	
		1741.678744	1744.034197	1743.489424	
B-IM15	0.327398	-	-	-	
		1200.196885	1201.734644	1201.407246	
B-IM16	0.340201	-	-	-	
		1126.254984	1127.718962	1127.378761	
B-IM17	0.447321	-	-	-	
		1433.53347	1435.460265	1435.012944	
B-IM18	0.441335	-	-	-	
		1433.546818	1435.460968	1435.019633	
B-TS1	0.445587	-	-	-	-782.16
		1433.554095	1435.476315	1435.030728	
B-TS1iso	0.444071	-	-	-	-853.38
		1433.551685	1435.47391	1435.029839	
B-TS2	0.321229	-	-	-	-410.91
		1200.175399	1201.713585	1201.392356	
B-TS3	0.320724	-	-	-	-596.02
		1200.194216	1201.729265	1201.408541	
B-TS4	0.442168	-	-	-	-884.27
		1433.547941	1435.464506	1435.022338	
B-TS5	0.444254	-	-	-	-816.22
		1433.534899	1435.452958	1435.008704	
B-TS6	0.420061	-	-	-	-679.80
		1508.316876	1510.280201	1509.86014	
B-TS6iso	0.420737	-	-	-	-481.00
		1508.315434	1510.280623	1509.859886	
B-TS7	0.537313	-	-	-	-1325.40
		1854.659719	1857.120987	1856.583674	
B-TS8	0.539475	-	-	-	-1558.04
		1854.683275	1857.14545	1856.605975	
B-TS9	0.546455	-	-	-	-1594.56
		1741.664789	1744.015659	1743.469204	
B-TS10	0.445587	-	-	-	-782.16
		1433.554095	1435.476315	1435.030728	
B-TS12	0.445176	-	-	-	-682.69
		1433.534311	1435.451984	1435.006808	
active species					
<b>A-IM0</b>					
A-IM0	0.336215	-	-	-	
		1660.92276	1662.62215	1662.28593	

A-TS1	0.330307	-	-	-	-758.42
A-IM1	0.335282	1660.89268	1662.58194	1662.25163	
A-TS2	0.329619	-	-	-	-751.42
A-TS3	0.326528	1660.87963	1662.57204	1662.24242	
A-IM2	0.330542	-	-	-	-691.32
A-IM3	0.236254	1660.88886	1662.57809	16562.2516	
A-TS4	0.426757	-	-	-	-527.28
A-IM4	0.431392	1660.91564	1662.60722	1662.27668	
A-TS5	0.429031	1315.71641	1316.93732	1316.70107	
A-IM5	0.430985	-	-1971.1237	1970.69695	
A-TS6	0.429691	1969.00134	1971.15173	1970.72033	
A-IM6	0.437844	1969.02502	1971.11339	1970.68436	-1594.54
A-TS7	0.436279	1968.99069	1971.13985	1970.70886	
A-IM7	0.437999	1969.01181	1971.09149	-1970.6618	-901.99
A-TS8	0.426429	1969.03174	1971.15713	1970.71929	
A-IM8	0.217075	1969.03185	1971.15498	-1970.7187	-435.66
A-TS9	0.425812	1969.02995	1971.15511	1970.71711	
		1969.02995	1971.15511	1970.71711	
		1314.50901	1315.71103	1315.49396	
		-	-	-	-1594.54
		1968.98907	1971.11214	1970.68571	
		-	-	-	-869.65
		1968.97402	1971.09474	1970.66893	

- The  $\Delta G_{TS}$  and  $G_C$  designate the Gibbs Free Energy at the M06-L/def2-SVP level.
- The  $\Delta G_{IM}$  and  $G(\text{gas})$  designate 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

## 8. The cartesian coordinates for all structures

H <sub>2</sub> O				1	-2.43259500	1.89867000	0.00000000	1	-3.59663000	0.77935900	0.00047600
8	0.00000000	0.00000000	0.12029300	6	1.99022500	0.46509700	0.00000000	8	-2.21183200	-1.30656700	0.00004500
1	0.00000000	0.75134400	-0.48117200	1	2.26723400	1.55485400	0.00000000				
1	0.00000000	-0.75134400	-0.48117200	8	2.83894900	-0.39498600	0.00000000				
KCl				Ph-COCH <sub>3</sub>				BnOH			
17	0.00000000	0.00000000	-1.41076900	6	1.81869100	1.27440000	0.00002700	6	1.35366100	-1.35155900	0.00008600
19	0.00000000	0.00000000	1.26226700	6	0.42788100	1.19271900	0.00004800	6	-0.00944000	-1.05276300	0.00021500
				6	-0.21077400	-0.05556700	0.00002800	6	-0.44038800	0.27575000	0.00015600
				6	0.57137300	-1.21991700	-0.00001200	6	0.51639400	1.29862400	-0.00003400
PhCHO				6	1.95858400	-1.13923800	-0.00004500	6	1.87587500	1.00041000	-0.00016600
6	-2.21295500	-0.25051500	0.00000000	6	2.58506300	0.10934700	-0.00002300	6	2.30022900	-0.32946100	-0.00010600
6	-1.32365500	-1.32988200	0.00000000	1	2.30758900	2.25117200	0.00005300	1	1.67772700	-2.39532800	0.00013300
6	0.04620800	-1.09975600	0.00000000	1	-0.16209000	2.11245100	0.00010100	1	-0.75545100	-1.84857000	0.00033100
6	0.53568300	0.21472700	0.00000000	1	0.05357100	-2.18170800	-0.00001500	1	0.18888400	2.34333400	-0.00009100
6	-0.36017400	1.29073000	0.00000000	1	2.55962200	-2.05150700	-0.00008600	1	2.60973300	1.81004700	-0.00032400
6	-1.73325600	1.05971600	0.00000000	1	3.67575900	0.17408000	-0.00004100	1	3.36688200	-0.56555400	-0.00021400
1	-3.29010300	-0.43444900	0.00000000	6	-1.69861700	-0.20408900	0.00007400	6	-1.90094800	0.62183200	0.00034400
1	-1.70843300	-2.35230600	0.00000000	6	-2.53535300	1.04745100	-0.00006900	1	-2.11554900	1.25846300	0.88415300
1	0.76802100	-1.92036800	0.00000000	1	-2.32176400	1.66952100	0.88106200	1	-2.11549000	1.25973700	-0.88255900
1	0.03182400	2.31278900	0.00000000	1	-2.32249200	1.66853200	-0.88208700	8	-2.67810600	-0.54405000	-0.00050100
								1	-3.60418300	-0.28671900	-0.00038900

				1	-5.88555500	-0.06285800	0.92345600	6	3.81332800	-1.06600900	-0.00005300
Dihydrochalcone				1	-5.64023200	1.81523700	-0.69673000	6	3.98932800	1.70412000	-0.00006800
6	4.78349200	1.19108800	0.14607100	8	1.17196100	-2.05799100	-0.80453300	1	1.84088100	1.70286100	0.00024800
6	4.73440300	-0.11104000	-0.34713000	1	-0.04226800	0.31704700	1.21983100	6	5.06030300	-0.45000000	-0.00023500
6	3.52309400	-0.79577200	-0.40880300	1	-1.35391500	-2.11516400	-0.20441700	1	3.74772600	-2.15831000	-0.00005500
6	2.33281900	-0.19194100	0.02772400	1	0.33617300	-2.53853000	-0.77003000	6	5.15450300	0.94298200	-0.00024600
6	2.39468700	1.12602300	0.51103900					1	4.04825400	2.79533300	-0.00007500
6	3.60519600	1.80642500	0.57305800	Dihydrochalcone enol form				1	5.96696700	-1.05999800	-0.00037400
1	5.73315900	1.72888900	0.19223100	6	-4.99234000	1.07382100	-0.00015800	1	6.13226700	1.42998000	-0.00039200
1	5.64906400	-0.60156400	-0.68867200	6	-4.93079700	-0.32147300	-0.00031200	8	-1.19515600	-2.18217600	0.00005200
1	3.48802300	-1.81506300	-0.79453200	6	-3.69755600	-0.96206200	-0.00020100	1	0.05726500	0.51143700	-0.87252500
1	1.48091400	1.63397300	0.82658100	6	-2.50735800	-0.21961500	0.00007000	1	0.05714900	0.51136500	0.87296400
1	3.62837500	2.83178100	0.94945300	6	-2.50735800	-0.21961500	0.00007000	1	1.26164900	-1.71741400	0.86494400
6	1.06464800	-0.93936600	-0.03854500	6	-2.58054700	1.18105800	0.00019600				
6	-0.07276100	-0.57852000	0.59693700	6	-3.81644200	1.82353500	0.00009100	Chalcone			
6	-1.38058000	-1.29430800	0.53936200	1	-5.96118700	1.57885200	-0.00024400	6	-5.00082300	1.02386200	-0.00019600
1	-1.58716800	-1.80713000	1.49636500	1	-5.85197200	-0.90868000	-0.00052600	6	-4.90483700	-0.36963600	-0.00160800
6	-2.56231900	-0.41176100	0.20940800	1	-3.61965600	-2.05145700	-0.00031800	6	-3.65703700	-0.97983100	-0.00139300
6	-2.43733200	0.64941200	-0.69548500	1	-1.66790200	1.78145400	0.00035400	6	-2.48069200	-0.21321800	0.00013500
6	-3.81600600	-0.65231300	0.78417100	1	-3.86306300	2.91477100	0.00019600	6	-2.59087900	1.18552400	0.00156100
6	-3.53548000	1.44316400	-1.02128500	6	-1.21255800	-0.96538200	0.00012500	6	-3.84214300	1.79870300	0.00143300
1	-1.46059100	0.85275700	-1.14484000	6	0.07083300	-0.16569600	0.00019400	1	-5.98112500	1.50635500	-0.00034200
6	-4.91646700	0.13961400	0.46094700	6	1.30721000	-1.03471400	0.00028800	1	-5.81121900	-0.97955700	-0.00286600
1	-3.92861300	-1.47267700	1.49971500	1	1.26158500	-1.71766800	-0.86417400	1	-3.55317000	-2.06675800	-0.00239800
6	-4.77991300	1.19103400	-0.44452800	6	2.62774400	-0.31421200	0.00012000	1	-1.69946500	1.81485700	0.00295900
1	-3.41793800	2.26680600	-1.72978200	6	2.73956200	1.08112600	0.00011500				

1	-3.91241100	2.88874800	0.00262000	6	0.68412400	1.25340000	-0.50769500	8	-0.30241500	-0.00048100	-0.00003600
6	-1.17905200	-0.95209200	0.00031000	1	0.65031700	1.31174600	-1.60526000	19	-2.54586300	-0.00009200	0.00000700
6	0.08156100	-0.18240800	0.00000600	1	0.20638700	2.15537200	-0.10142700				
6	1.26911300	-0.82541900	0.00046000	1	1.74464600	1.27273700	-0.21253900				
1	1.21561500	-1.92115700	0.00116800	6	-1.47831300	0.00042200	-0.35307500	Toluene			
6	2.59956800	-0.24209700	0.00011200	1	-1.97765700	-0.88631200	0.05974000	C	1.19840800	-1.20386800	
6	2.82859700	1.14798700	-0.00085900	1	-1.97709300	0.88758400	0.05949800	0.00207400			
6	3.71787000	-1.09646500	0.00075200	1	-1.61652900	0.00031200	-1.44265000	C	1.90194800	-0.00005500	
6	4.12053300	1.65652900	-0.00117600	8	0.01652500	0.00010800	1.44455400	0.00863600			
1	1.98036700	1.83638700	-0.00138100	1	0.94091600	-0.00007900	1.71710000	C	1.19853600	1.20380000	
6	5.01268100	-0.58704500	0.00043600					0.00207200			
1	3.55449200	-2.17748200	0.00150300					C	-0.19506600	1.20117200	-
6	5.21869500	0.79182400	-0.00053100	<sup>t</sup> BuOK				0.00894100			
1	4.27784200	2.73748600	-0.00193600	6	1.60481800	-0.76387800	1.22176600	C	-0.91692200	0.00007900	-
1	5.86587500	-1.26892700	0.00094500	6	1.06123500	0.00001600	0.00001600	0.01180600			
1	6.23359300	1.19565500	-0.00078400	1	1.23735800	-0.29701100	2.14931300	C	-0.19516100	-1.20111900	-
8	-1.17167900	-2.17646800	0.00058000	1	1.23815400	-1.80248000	1.20759100	0.00894700			
1	0.04411100	0.90883900	-0.00077500	1	2.70696500	-0.79376500	1.27053600	H	1.73891600	-2.15367500	
				6	1.60475500	-0.67594800	-1.27252200	0.00166700			
				6	1.60378400	1.44040900	0.05076800	H	2.99433600	-0.00011200	
<sup>t</sup> BuOH				1	1.23746600	-0.14475500	-2.16487100	0.01425400			
6	-0.00609400	0.00000200	0.01623600	1	2.70690200	-0.70269700	-1.32332600	H	1.73911500	2.15356500	
6	0.68334900	-1.25390200	-0.50752000	1	1.23789100	-1.71290800	-1.33147200	0.00164200			
1	0.20499100	-2.15552200	-0.10120600	1	2.70589200	1.49856700	0.05301200	H	-0.73845200	2.15078900	-
1	0.64958400	-1.31232800	-1.60508100	1	1.23644400	2.00969100	-0.81774500	0.01835800			
1	1.74383500	-1.27390800	-0.21227900	1	1.23608300	1.94737000	0.95694200	H	-0.73862100	-2.15069800	-

0.01836600				O	-3.46855400	-1.21021300	-0.00013900	8	-1.61125300	2.45518100	-1.16600800
C	-2.41377300	0.00003700		H	-2.79215200	-1.95721800	0.00000400	6	-0.32423700	2.38333300	-0.92548900
0.00842300				C	2.02259800	0.36781200	1.24691100	6	0.47553800	3.53316100	-1.16651800
H	-2.83082600	0.89004900	-	C	2.02250700	0.36776700	-1.24701700	1	-0.01418900	4.42316600	-1.56130300
0.48122700				C	3.29094700	1.20346600	1.25184600	6	1.80224600	3.49542300	-0.84074900
H	-2.83087400	-0.88610100	-	H	2.30057800	-0.69274800	1.32705800	1	2.42390000	4.38732400	-0.95479300
0.48821000				H	1.36155800	0.60065800	2.09338900	6	2.40575800	2.29638800	-0.37402100
H	-2.80140600	-0.00409800		C	3.29085400	1.20341400	-1.25210700	6	1.57356300	1.14524700	-0.26581800
1.03953300				H	2.30043600	-0.69280600	-1.32714000	6	3.77141400	2.21439400	-0.02542800
				H	1.36139900	0.60056300	-2.09345900	1	4.39701600	3.10521700	-0.11296500
				C	4.11412400	0.94585400	-0.00015800	6	4.28840600	1.01403300	0.41576900
pre-IM0				H	3.85824800	0.92448700	2.15272900	1	5.33748000	0.94241500	0.71014500
C	0.81125300	2.93220000	0.00014400	H	3.07772000	2.27806400	1.37013200	6	3.49591000	-0.14336700	0.42560400
C	0.31395500	1.63487000	0.00007500	H	3.85807100	0.92442300	-2.15303600	1	3.95377400	-1.09330200	0.70580100
C	-1.08958300	1.43276600	0.00007600	H	3.07757100	2.27799800	-1.37037900	6	2.15544000	-0.12908100	0.03652800
C	-1.94865600	2.57203700	0.00004200	H	5.03082600	1.55376100	-0.00020200	8	-2.35417800	-0.04162000	-0.95054400
C	-1.40334500	3.87085500	0.00010300	H	4.44081200	-0.10860300	-0.00014200	1	-2.02682200	1.52889900	-1.12219800
C	-0.03790900	4.04954900	0.00017300	N	1.18626800	0.46766400	-0.00002300	6	-3.56579000	-0.47184000	-0.34671800
H	1.88464800	3.09879800	0.00018000	Pd	-0.06843100	-1.29876700	0.00011400	6	-3.19208000	-1.26377100	0.92020500
C	-3.35114800	2.34323800	-0.00012200	Cl	1.78786400	-2.71616400	-0.00010300	1	-4.08315200	-1.55508200	1.49676200
H	-2.08392200	4.72535400	0.00005700	Cl	-1.38299400	-3.24162500	0.00009000	1	-2.62911600	-2.17889800	0.68768800
H	0.39332400	5.05185100	0.00021700	N	-1.59396300	0.14785300	0.00005800	1	-2.64096800	-0.66358000	1.70083300
C	-3.82904200	1.07031600	-0.00031700					6	-4.28713900	-1.37293100	-1.33457300
C	-2.91955600	-0.03059300	-0.00014800					1	-5.23477700	-1.74971400	-0.92116900
H	-4.03084400	3.19850500	-0.00013300	pre-IM1				1	-4.51374400	-0.81975700	-2.25605600
H	-4.89293400	0.83435700	-0.00044700	7	0.21732800	1.26487900	-0.43575800	1	-3.65800800	-2.23161200	-1.60576900

6	-4.42205100	0.73544700	0.02595600	8	-1.85766900	2.15702800	-1.15638100	6	-4.36306200	0.65871200	0.19878500
1	-5.37653300	0.44203900	0.48735500	6	-0.60961800	2.25970300	-0.90625000	1	-5.30762000	0.38326600	0.68859700
1	-3.89005700	1.38852300	0.73477400	6	0.07233700	3.50449200	-1.11721900	1	-3.74283900	1.19470100	0.93294000
1	-4.65013000	1.33059200	-0.86958600	1	-0.51983900	4.33487300	-1.50262000	1	-4.59546000	1.35946900	-0.61448000
6	1.70668900	-2.43211100	0.78694200	6	1.38414000	3.63057600	-0.77174300	6	2.06875800	-2.29470100	0.73681700
6	0.72855300	-1.63719600	-1.28998600	1	1.88908300	4.59639600	-0.86245500	6	0.94789100	-1.58347700	-1.29509100
6	2.55673500	-3.46187700	0.05160400	6	2.13561500	2.50886700	-0.31574200	6	3.02615700	-3.19025300	-0.04180100
1	0.74939200	-2.90091700	1.08674900	6	1.45512400	1.26092500	-0.23347400	1	1.18529700	-2.88779800	1.04169500
1	2.16861400	-2.08256200	1.72029900	6	3.50068000	2.59384200	0.02379300	1	2.50431100	-1.91277300	1.66983300
6	1.58549700	-2.60604100	-2.09341500	1	4.00790500	3.55808400	-0.05467800	6	1.89888200	-2.41932400	-2.14242200
1	-0.24915600	-2.10409200	-1.06147500	6	4.17469300	1.46079100	0.43706400	1	0.04427200	-2.17728200	-1.05379700
1	0.49780200	-0.72928500	-1.86149900	1	5.22697600	1.51882700	0.72253700	1	0.59378600	-0.69968200	-1.84012000
6	1.90897300	-3.84510600	-1.27148600	6	3.53666300	0.21415500	0.42321000	6	2.40015100	-3.62406800	-1.35976600
1	2.70380300	-4.34662700	0.69039300	1	4.11366300	-0.67682700	0.67614500	1	3.30089200	-4.06266800	0.57127900
1	3.56326900	-3.05181200	-0.14063100	6	2.20127000	0.06679400	0.03766700	1	3.96630500	-2.64865800	-0.24445200
1	1.06551000	-2.87438800	-3.02618600	8	-2.39903800	-0.18872300	-0.95541900	1	1.39279900	-2.73145200	-3.06921400
1	2.51978200	-2.09844800	-2.39293600	1	-2.24158000	0.98512900	-1.11699100	1	2.75193300	-1.78905300	-2.45052600
1	2.55133700	-4.53772300	-1.83661200	6	-3.64127800	-0.57199400	-0.33353000	1	3.11222600	-4.21405000	-1.95694400
1	0.97225900	-4.39686000	-1.07033800	6	-3.27410100	-1.51855500	0.81474800	1	1.54834200	-4.29760100	-1.15218000
7	1.37371400	-1.27578800	-0.02787100	1	-4.16494700	-1.86626700	1.35888500	7	1.57783800	-1.17205200	-0.04278700
46	-1.10777400	0.06409300	0.64423500	1	-2.73129200	-2.40331500	0.45393300	46	-1.08287300	-0.11693000	0.64952800
17	0.09564300	0.17420300	2.64383900	1	-2.67963600	-1.02292500	1.62788100	17	0.10917200	-0.04305600	2.62932100
				6	-4.46958000	-1.29341500	-1.38024100				
				1	-5.42733700	-1.63722100	-0.96310800				
				1	-4.68756200	-0.62461200	-2.22358200	pre-IM2			
pre-TS1				1	-3.92848200	-2.16461500	-1.77263800	6	-3.50057400	0.49505500	-0.31154100
7	0.09792900	1.21089600	-0.41394200								

6	-2.12849900	0.41384700	-0.10351700	1	-3.99558100	-1.78281100	1.07581500	6	0.66727300	1.43069100	0.40498600
6	-1.36520700	1.60062800	0.00071800	1	-3.99003600	-3.89950500	-0.24629500	6	-0.72733600	1.53462500	0.12603700
6	-2.02727600	2.85930000	-0.10538900	1	-2.25120200	-4.06884900	-0.00440800	6	-1.36588100	2.79684700	0.32086200
6	-3.41583700	2.90224200	-0.31717600	7	-1.41386600	-0.86170000	0.02164900	6	-0.65094600	3.85923600	0.90199100
6	-4.14725400	1.73495100	-0.42073100	46	0.65819200	-0.41871000	0.28979000	6	0.67552900	3.70682700	1.26544500
1	-4.09834100	-0.40867000	-0.39205100	17	1.24196900	-2.71291800	0.38673700	1	2.39068900	2.40370100	1.24582600
6	-1.22137500	4.03105700	0.01441500	7	-0.01377600	1.51321800	0.20171400	6	-2.74388500	2.87409600	-0.05276700
1	-3.90368700	3.87702200	-0.39700700	6	3.71645500	-0.12617500	-0.42162400	1	-1.17317300	4.80479800	1.07954900
1	-5.22560800	1.76537100	-0.58434800	6	4.64703700	1.07728900	-0.37869200	1	1.22236700	4.52414000	1.74092800
6	0.11398200	3.92414900	0.22882200	1	4.12671000	2.00399700	-0.65475500	6	-3.35661900	1.80249500	-0.61564400
6	0.76735400	2.63342800	0.34198900	1	5.06660700	1.21014500	0.62811400	6	-2.66222000	0.53368800	-0.87665300
1	-1.70096700	5.01077500	-0.06519300	1	5.48355600	0.92968300	-1.07532000	1	-3.28389800	3.81300200	0.11524600
1	0.76160200	4.79571400	0.33323200	6	3.05852800	-0.26007800	-1.78465100	1	-4.39932500	1.83888800	-0.94015500
8	1.99412500	2.55867500	0.56029100	1	3.81532700	-0.38274800	-2.57304400	8	-3.17016100	-0.35072700	-1.54905400
6	-1.49754100	-1.69808400	-1.22688700	1	2.39681400	-1.13881200	-1.80886300	6	2.52767000	-0.18653600	0.75549000
6	-1.82547600	-1.63966100	1.24193300	1	2.46648800	0.63726300	-2.02177600	6	1.55428700	0.12647800	-1.46727100
6	-2.77336300	-2.50751800	-1.38471000	6	4.45237900	-1.39002300	-0.02504300	6	3.83477600	0.45549700	0.29475400
1	-0.64663000	-2.39161300	-1.17493600	1	4.89916600	-1.27818000	0.97177500	1	2.60650000	-1.28111600	0.65704800
1	-1.32454800	-1.01991500	-2.07417100	1	3.77438300	-2.25083400	-0.00213200	1	2.32976200	0.00988600	1.81857700
6	-3.10953500	-2.43668100	1.09650900	1	5.26015100	-1.59580000	-0.74174000	6	2.77042300	0.92254700	-1.90188000
1	-0.99855400	-2.33534000	1.44248100	8	2.68029800	0.10580000	0.59052400	1	1.69802800	-0.93979200	-1.70944500
1	-1.86761400	-0.92397600	2.07447300	1	2.52937400	1.10611800	0.65182600	1	0.63330900	0.44573800	-1.97273600
6	-3.05772300	-3.32630600	-0.13543800					6	4.01109200	0.37968200	-1.21302300
1	-2.63216000	-3.16602600	-2.25525500					1	4.65796000	-0.06555300	0.80969400
1	-3.63363700	-1.87079700	-1.64364300					1	3.91543100	1.50953700	0.60594500
1	-3.22024100	-3.04290600	2.00835000					1	2.86208000	0.86781400	-2.99795800
				pre-IM3							
				6	1.33544800	2.49483400	0.99244300				



1	2.62966300	1.99065800	-1.65524700	6	-2.23979200	-1.24900900	-1.56695600	1	7.11870200	-1.05888200	-1.11355000
1	4.91885500	0.91982600	-1.52674900	6	-2.64254800	-1.53281000	0.84449700	1	4.69092500	-1.50103900	-1.42132100
1	4.15628200	-0.67260600	-1.51694600	6	-3.52988400	-1.98426300	-1.88737400	1	3.77926700	2.44315200	0.04415700
7	1.30594200	0.18752400	0.00336100	1	-1.40813500	-1.97241400	-1.54169700	6	2.61307400	0.18619100	-0.89931700
46	-0.34245400	-1.30075900	0.15592400	1	-2.00249400	-0.48116400	-2.31642100	1	2.16264500	0.94914300	-1.56144100
17	1.10012100	-3.13183400	0.56927400	6	-3.93900700	-2.27345600	0.56832500	1	2.43029400	-0.79806000	-1.35313300
17	-2.19953200	-2.64817100	0.49099900	1	-1.82411500	-2.26549900	0.90658400	8	1.92665300	0.20171200	0.36014000
7	-1.38852000	0.43331400	-0.31292000	1	-2.66976800	-0.97232700	1.78975200	1	1.80830200	1.18134800	0.62445500
				6	-3.88407700	-2.96832900	-0.78345800	6	0.92697600	-2.98605500	0.75518100
				1	-3.38121500	-2.51112900	-2.84229000	6	2.41379300	-3.06592700	0.40096500
B-IM0				1	-4.35930700	-1.28266600	-2.07104400	1	2.90666100	-2.09566100	0.55032500
6	-4.24860800	0.86779000	-0.38743200	1	-4.07778700	-3.00797400	1.37668700	1	2.94467200	-3.80216700	1.02441200
6	-2.88175500	0.71819800	-0.18629400	1	-4.81077300	-1.60347900	0.63503000	1	2.53736300	-3.36304500	-0.65134300
6	-2.08510000	1.86528300	0.07162900	1	-4.83217700	-3.48216000	-1.00168100	6	0.30526900	-4.38143100	0.65403500
6	-2.70964500	3.14608300	0.12127900	1	-3.10883400	-3.75435100	-0.74699400	1	0.81359100	-5.10604900	1.30838700
6	-4.09575800	3.25526100	-0.08797900	7	-2.20617200	-0.58145000	-0.22574700	1	-0.75854700	-4.35560700	0.93668500
6	-4.85856600	2.13145200	-0.34010600	46	-0.12759200	-0.23114200	0.12023800	1	0.36711900	-4.75219200	-0.37918600
1	-4.87084500	-0.00140200	-0.58685500	7	-0.74116200	1.71641300	0.26788600	6	0.77553900	-2.45821800	2.18275000
6	-1.86762200	4.26689100	0.38920700	6	5.87483200	1.91913700	-0.02671300	1	1.21165200	-1.45225600	2.27298100
1	-4.55673900	4.24555700	-0.04702000	6	6.81425300	0.93949200	-0.35323400	1	-0.28329600	-2.40102800	2.47875600
1	-5.93440100	2.21436200	-0.50296200	6	6.38822800	-0.28743800	-0.85859300	1	1.28729000	-3.10792300	2.90954800
6	-0.53436800	4.09565800	0.58890300	6	5.02684800	-0.53489000	-1.03333400	8	0.22743900	-2.18882200	-0.17059400
6	0.07471900	2.78182600	0.53657900	6	4.07899200	0.44268800	-0.71498300				
1	-2.31660000	5.26336800	0.43270700	6	4.51637300	1.67477500	-0.20911000				
1	0.13500100	4.93105200	0.79910600	1	6.20474700	2.88256900	0.36921100	B-IM0 <sup>iso</sup>			
8	1.30393400	2.63192700	0.73468000	1	7.88017800	1.13378500	-0.21235600	7	1.78866600	-1.11374000	-0.57015500

8	0.86275000	-2.80829300	-1.81510300	1	2.94768900	3.53748800	-1.02498300	1	-3.47254300	-2.78198900	1.05942600
6	1.84591500	-2.30928200	-1.28939000	1	0.83791800	4.27386000	2.08181600	8	-1.32835700	-1.67491600	0.08719300
6	3.17561700	-2.92519600	-1.33971800	1	2.46698200	3.84704800	1.61891100	6	-1.31695100	-1.88412700	2.50313600
1	3.21444000	-3.91027200	-1.80868600	1	1.63460500	5.44945200	-0.03508700	1	-1.31257700	-2.58985000	3.34748700
6	4.28920200	-2.31305300	-0.86541300	1	0.14421200	4.53877400	-0.25382300	1	-0.42699600	-1.24000000	2.60386300
1	5.26706700	-2.80060600	-0.92715700	7	1.43542600	1.47652500	0.13616500	1	-2.20800000	-1.24543700	2.60810600
6	4.20880000	-1.00143000	-0.29811100	46	0.09219000	-0.21040600	0.02590200	6	-0.08813500	-3.51912200	1.06720800
6	2.90919000	-0.42668700	-0.20588000	6	-2.52124100	1.33994300	-0.54188500	1	-0.10778900	-4.27874900	1.86318400
6	5.31576100	-0.27244500	0.16731800	6	-3.98923000	1.03260900	-0.53550000	1	-0.04735900	-4.02044500	0.09290800
1	6.30508200	-0.73526000	0.11798200	6	-4.41135400	-0.28154500	-0.78169600	1	0.83910700	-2.93729000	1.18450000
6	5.16295600	1.00408000	0.68242100	6	-4.94592600	2.01563800	-0.26807800				
1	6.02553200	1.56074500	1.05217300	6	-5.76548900	-0.60273500	-0.75485200				
6	3.89267400	1.60135500	0.70247100	1	-3.66291700	-1.05532200	-0.98670800	B-IM1			
1	3.79719600	2.62419600	1.06323700	6	-6.30367100	1.69603800	-0.25089600	7	-0.64821800	-1.61972100	0.34863700
6	2.77676800	0.90474000	0.25815400	1	-4.62417100	3.04250600	-0.07106300	8	1.28180800	-2.28384500	1.40087000
8	-1.85118300	0.70312300	0.55137700	6	-6.71488200	0.38638800	-0.49149400	6	0.19218700	-2.57254700	0.92192400
6	1.25865100	2.20117500	-1.15758000	1	-6.08299800	-1.63052400	-0.94616700	6	-0.31704700	-3.94536600	0.88899600
6	0.96438300	2.30173500	1.28378000	1	-7.04297700	2.47306200	-0.04305600	1	0.36527500	-4.70362600	1.27767900
6	1.85339600	3.59543600	-1.15351300	1	-7.77780800	0.13469300	-0.47432300	6	-1.54751400	-4.26278200	0.41469600
1	0.17156500	2.26697800	-1.33784000	1	-2.06965800	1.00665400	-1.49608500	1	-1.89198000	-5.30138700	0.39864400
1	1.67491500	1.56280300	-1.94864100	1	-2.34069500	2.42190200	-0.44776100	6	-2.42817800	-3.23835200	-0.05603200
6	1.41740400	3.75691400	1.30188400	1	-2.07107700	-0.28620400	0.50682100	6	-1.92726700	-1.90592500	-0.03102000
1	-0.13604600	2.27786900	1.23645200	6	-1.30424500	-2.60731300	1.15453400	6	-3.72585400	-3.47642400	-0.53986700
1	1.24664900	1.77130800	2.20399100	6	-2.58376900	-3.42692800	0.99112400	1	-4.08794100	-4.50719800	-0.58085000
6	1.22476900	4.42879400	-0.04837700	1	-2.59378100	-3.92175500	0.01065200	6	-4.52931500	-2.43205800	-0.96449700
1	1.68962500	4.05279000	-2.14058300	1	-2.66379800	-4.19846600	1.77129800	1	-5.53105500	-2.62376800	-1.35228600

6	-4.06476100	-1.11064800	-0.86819900	1	4.64182800	-0.10376900	-2.59022700	B-IM1 <sup>iso</sup>			
1	-4.72720800	-0.29724100	-1.15942500	6	5.75652600	-1.14804700	0.97360400	7	1.85794300	-1.12884800	-0.51923000
6	-2.78660300	-0.84158200	-0.39820600	1	3.64147600	-1.45285400	1.36165900	8	1.01966400	-2.96656200	-1.59325900
8	1.90573700	0.18768700	-0.17989100	6	6.71518300	-0.76929600	0.02995100	6	1.98875500	-2.36372900	-1.14465400
6	-2.64975400	0.99174200	1.20285400	1	7.05791400	-0.09761100	-1.99395600	6	3.35433500	-2.88897200	-1.20223300
6	-2.54883000	1.52124600	-1.20009700	1	6.06937400	-1.44494800	1.97817200	1	3.45719200	-3.88750400	-1.63157100
6	-4.07112200	1.51308900	1.26985100	1	7.77558200	-0.76617000	0.29493000	6	4.42837200	-2.18271300	-0.76612100
1	-1.94914000	1.80470200	1.45930000	1	2.38448700	-0.58968400	-2.06218400	1	5.43696800	-2.60398600	-0.82243100
1	-2.46114800	0.17437500	1.91230500	1	2.11082400	-1.78232500	-0.76690400	6	4.26444000	-0.86124800	-0.24166500
6	-3.90959700	2.20600000	-1.12753600	1	1.48897600	1.71719400	-0.70552400	6	2.93040900	-0.36607400	-0.17335600
1	-1.76278600	2.28488600	-1.09501500	6	0.94157000	3.30222300	0.36543800	6	5.32148400	-0.05124500	0.20511100
1	-2.38361000	1.04142300	-2.17474400	6	2.18623300	4.04267200	-0.09778500	1	6.33887000	-0.45019300	0.17036400
6	-4.25402700	2.65550300	0.28378700	1	2.03771100	4.47357900	-1.09718100	6	5.08395700	1.22590500	0.68545300
1	-4.28096300	1.83810200	2.29974000	1	2.43821300	4.85861100	0.59355600	1	5.90720400	1.84758800	1.04099300
1	-4.78267900	0.69649400	1.05964400	1	3.05034600	3.36358500	-0.14042100	6	3.77746500	1.73985800	0.69178000
1	-3.88295200	3.06581500	-1.81436800	8	0.66337700	2.28111400	-0.63690900	1	3.61642900	2.76101400	1.03196900
1	-4.70716100	1.55579600	-1.51688600	6	1.17040900	2.64406300	1.71651100	6	2.70993800	0.96388600	0.26013300
1	-5.27788400	3.05585800	0.32183100	1	1.41800100	3.39453600	2.48094200	8	-1.69670300	0.63906700	0.41504200
1	-3.59286500	3.49064900	0.57765200	1	0.27030300	2.10524600	2.05128000	6	1.13938300	2.21076400	-1.14655600
7	-2.26035800	0.50104100	-0.15318400	1	1.98804900	1.91186600	1.66494600	6	0.80998000	2.22921800	1.30380700
46	-0.10697100	0.27281200	-0.08675700	6	-0.26552100	4.21863800	0.38486600	6	1.65724400	3.63426000	-1.09434500
6	2.52400400	-0.77855200	-0.97556900	1	-0.11088300	5.05162100	1.08414800	1	0.05555900	2.22611100	-1.34435200
6	3.99403900	-0.78522800	-0.64938200	1	-0.45874700	4.63897300	-0.61214800	1	1.60715500	1.61891100	-1.94511300
6	4.95792500	-0.40001600	-1.58481100	1	-1.16754900	3.67963000	0.70954300	6	1.18557700	3.70440000	1.35839100
6	4.40549900	-1.15379500	0.63928700					1	-0.28543600	2.13018400	1.25139000
6	6.31373200	-0.39632400	-1.25105700					1	1.12853400	1.69145400	2.20761400

6	0.97112400	4.40107300	0.02430100	1	-2.64342000	-4.14336700	0.02673100	1	-1.54027700	-3.75330500	2.10837000
1	1.47334600	4.10558000	-2.07132700	1	-2.83033900	-4.27683600	1.79264600	1	-2.89121000	-2.66837900	1.86630500
1	2.75203300	3.63801800	-0.96016300	1	-3.59141200	-2.92936000	0.92131100	1	-3.16935800	-4.62980600	0.36580900
1	0.56732900	4.16774100	2.14232100	8	-1.36854800	-1.85112900	-0.00577100	1	-1.52997200	-4.43552600	-0.24377400
1	2.22378400	3.84761100	1.69394900	6	-1.51731900	-1.89825400	2.41690800	7	-1.43640000	-1.08077200	-0.07915700
1	1.32562500	5.44141500	0.06957700	1	-1.56474000	-2.53950400	3.30819600	7	-0.66380500	1.52472800	-0.27877500
1	-0.11070200	4.45726400	-0.19211300	1	-0.63226100	-1.24927100	2.50835800	6	-0.10482500	2.78031100	-0.44773000
7	1.33289800	1.45574600	0.13257700	1	-2.40441200	-1.24819400	2.41441200	6	-0.97276200	3.89546400	-0.07923100
46	0.08605600	-0.26089600	-0.05909400	6	-0.19484800	-3.60061700	1.13800800	1	-0.55153400	4.89437900	-0.20622400
6	-2.32084000	1.36913000	-0.59157700	1	-0.22636900	-4.31890100	1.96911400	6	-2.23219000	3.70590100	0.39634900
6	-3.80442400	1.09572300	-0.58176300	1	-0.09841600	-4.14439200	0.19130000	1	-2.85910000	4.56170100	0.66514200
6	-4.28897800	-0.12477100	-1.07160700	1	0.70544300	-2.97984500	1.25722900	6	-2.76906800	2.38871500	0.55822000
6	-4.71224900	2.00262900	-0.02859900					6	-1.91596600	1.30719100	0.19447300
6	-5.64659300	-0.42905900	-1.01234100					6	-2.37643100	-0.02839900	0.32655700
1	-3.58888300	-0.84188000	-1.51491400	B-IM2				6	-3.65722400	-0.26357700	0.81355100
6	-6.07413900	1.70368700	0.03033700	6	-1.87051000	-1.86589000	-1.27500300	1	-4.03122600	-1.27967700	0.92371600
1	-4.34409000	2.95605800	0.36220400	6	-1.00922300	-1.99701100	1.02307000	6	-4.49683000	0.80293200	1.17431400
6	-6.54413400	0.48662600	-0.45946400	6	-2.89471800	-2.94793300	-0.98186600	1	-5.49722600	0.59099600	1.55512400
1	-6.00923200	-1.38184600	-1.40619200	1	-0.95729100	-2.33331900	-1.67984200	6	-4.05593400	2.10982200	1.04601400
1	-6.77155900	2.42436800	0.46453400	1	-2.22691800	-1.14773800	-2.02619200	1	-4.70578000	2.94372500	1.32478000
1	-7.61000600	0.25106700	-0.41399600	6	-2.00708200	-3.09049000	1.36403800	6	2.54270900	-0.50087600	-1.30049300
1	-1.92787100	1.10837200	-1.60205100	1	-0.06838300	-2.46067400	0.68143400	1	2.94882200	-0.27705500	-2.31554200
1	-2.15264000	2.46566600	-0.47687900	1	-0.76423200	-1.37117900	1.89228800	8	1.74320000	-1.55931400	-1.22867900
1	-2.02886400	-1.13456700	0.15971800	6	-2.40765800	-3.87422800	0.12285900	1	1.88570500	0.56703500	-1.24795300
6	-1.43834100	-2.74143700	1.15431500	1	-3.07031800	-3.50994900	-1.91156400	6	3.58662000	-0.31974500	-0.22881000
6	-2.69803200	-3.57018200	0.96139800	1	-3.86776400	-2.50207700	-0.72293100	6	3.72946100	-1.28257600	0.77315600

6	4.41888700	0.80486500	-0.23033100	1	5.18608600	-1.19150000	-0.63519900	6	-4.80032800	-0.22803600	1.24491500
6	4.70254200	-1.12746400	1.75823400	1	5.61650400	-2.32329800	1.46679700	6	-6.00606800	-0.42123900	-1.26706300
1	3.07036200	-2.15394300	0.75539400	1	4.10594200	-3.22437300	1.37369200	1	-4.04762700	-1.01782800	-1.98344600
6	5.38708500	0.96137200	0.75795600	7	2.25103900	-0.82771900	-0.09022300	6	-6.15095100	0.07009600	1.10129500
1	4.29306300	1.56942800	-1.00322200	7	0.19043000	0.94780200	0.26865900	1	-4.30585400	-0.13302000	2.21494700
6	5.53258400	-0.00616600	1.75328000	8	-1.99164100	1.27380600	0.89241200	6	-6.75429700	-0.02994600	-0.15365800
1	4.81699700	-1.88750500	2.53509400	6	-0.87245300	1.74464700	0.60420200	1	-6.48372800	-0.49537900	-2.24655900
1	6.02977300	1.84472700	0.75450300	6	-0.65262000	3.18573200	0.60637900	1	-6.73733700	0.38628000	1.96665800
1	6.29410500	0.11563200	2.52714500	1	-1.50479900	3.80525300	0.89153200	1	-7.81618500	0.20175900	-0.26636100
46	0.39228400	-0.11557500	-0.70309900	6	0.53698600	3.72487800	0.23314600	46	0.15632900	-1.11707300	-0.39988700
8	1.04071700	2.91155800	-0.87900100	1	0.67597300	4.81010600	0.20178600				
				6	1.62942900	2.88152900	-0.13684200				
				6	1.40090000	1.47739600	-0.05534100	B-IM4			
B-IM3				6	2.47869400	0.59342400	-0.36113700	6	-2.36017700	-1.17501700	-1.19732200
6	2.38370100	-1.10616200	1.38168900	6	3.66881400	1.10570400	-0.85310500	6	-2.14703200	-1.95008600	1.11042500
6	3.08952600	-1.79030600	-0.86930600	1	4.47942600	0.43833300	-1.13760100	6	-3.80928300	-1.62798800	-1.23279000
6	3.82366200	-1.14805800	1.85057600	6	3.86042700	2.49147200	-0.99348600	1	-1.70679600	-1.98136700	-1.57648900
1	1.90387000	-2.08188700	1.56111100	1	4.80651700	2.86400500	-1.38991700	1	-2.18044800	-0.30192500	-1.84028300
1	1.78638300	-0.35118200	1.90913400	6	2.86318500	3.36671100	-0.60839600	6	-3.54838000	-2.55416500	1.07143000
6	4.51456400	-2.02187400	-0.37370200	1	3.00846500	4.44755600	-0.68742800	1	-1.41504200	-2.73635400	0.85349000
1	2.54970900	-2.74539900	-0.82172100	6	-2.62876600	-0.93591300	0.30253100	1	-1.88114200	-1.60361300	2.11957100
1	3.06243100	-1.47024000	-1.92006600	1	-2.26564200	-1.03030400	1.34078600	6	-3.99081400	-2.85450600	-0.35241000
6	4.57253700	-2.25383900	1.12703700	8	-1.90449200	-1.22695900	-0.65980600	1	-4.10250000	-1.83675900	-2.27290000
1	3.83494400	-1.30061000	2.94005900	1	0.27969000	-2.57443300	-0.94734600	1	-4.46354500	-0.80743600	-0.88649000
1	4.30634600	-0.17117600	1.67266300	6	-4.04619500	-0.62313800	0.13207200	1	-3.55133800	-3.46834000	1.68485300
1	4.90854200	-2.89272300	-0.92001100	6	-4.65441600	-0.71306500	-1.12823500	1	-4.28297500	-1.88162100	1.54360300

1	-5.03262200	-3.20846000	-0.36853400	1	2.76278600	-1.90400900	1.79557000	1	0.23987400	5.17246600	-0.51426500
1	-3.38212700	-3.68100100	-0.76106100	6	5.29011400	0.62443600	0.27862900	1	1.51246900	3.97897100	-0.74634900
7	-1.90189400	-0.84439800	0.17254700	1	4.30852900	0.22599700	-1.60322200	7	-0.33449100	1.26396600	-0.09902900
7	-0.29268300	1.22611100	-0.62870900	6	5.33791200	0.33821500	1.64344400	7	-1.21100200	-1.40302400	-0.15334900
6	0.44819900	2.19741000	-1.14494100	1	4.47103800	-0.80606800	3.25830600	6	-1.55055700	-2.75165100	-0.25182800
6	0.11239500	3.56753800	-1.01685700	1	6.00177400	1.32965900	-0.15784100	6	-2.96602900	-3.06063100	-0.06896100
1	0.75832700	4.31243300	-1.48149200	1	6.08469800	0.81954900	2.27932300	1	-3.23303100	-4.11526600	-0.15446100
6	-0.98383900	3.90303700	-0.26677100	46	0.48818500	-0.75784600	-0.48732300	6	-3.88813800	-2.10627500	0.20612400
1	-1.24632400	4.95191900	-0.10846200	8	1.56094700	1.86889900	-1.78434800	1	-4.94057300	-2.36889100	0.35293400
6	-1.78666000	2.89235500	0.32688300					6	-3.50687100	-0.73300300	0.31106100
6	-1.42787800	1.53825100	0.06837700					6	-2.12635000	-0.42134400	0.10477900
6	-2.23337600	0.47500200	0.58142600	B-IM5				6	-1.72530700	0.94672100	0.18101000
6	-3.27138800	0.79741300	1.44436600	8	-0.72020200	-3.62870500	-0.47157100	6	-2.67150000	1.92208000	0.48340900
1	-3.87499100	0.00088100	1.87964000	6	0.39683600	2.02149700	0.93796800	1	-2.36660200	2.96583800	0.54305700
6	-3.58479700	2.13569000	1.75301300	6	-0.11666700	1.85356400	-1.43964000	6	-4.01749300	1.60338700	0.71035400
1	-4.41464300	2.34507900	2.43098000	6	0.21629700	3.53461000	0.91315700	1	-4.73066000	2.39390200	0.95037400
6	-2.88204000	3.17078500	1.17660800	1	1.46804300	1.80549100	0.77145200	6	-4.42503000	0.28548600	0.61291700
1	-3.14453900	4.21158200	1.38003800	1	0.13498900	1.59216300	1.91625700	1	-5.47158100	0.01185900	0.77339000
6	2.40378100	-1.54470200	-0.85250200	6	-0.39049900	3.34630800	-1.51704200	46	0.69159600	-0.79984700	-0.29183500
1	2.62793200	-1.49495000	-1.94388700	1	0.94408200	1.67577800	-1.69871700	1	1.12265400	-2.26615000	-0.46236900
8	1.63045300	-2.47791200	-0.41756500	1	-0.71946400	1.28212700	-2.15995900	6	3.81563800	-0.56586200	0.40266700
1	1.64491000	0.88675100	-1.69661900	6	0.44395500	4.09138400	-0.48510400	6	5.00474300	0.36400900	0.23922900
6	3.41672000	-0.89901600	0.01246000	1	0.92730200	3.97987400	1.62675300	1	4.73498400	1.39639300	0.50000900
6	3.47798900	-1.18650700	1.38550800	1	-0.78025200	3.81985800	1.28376900	1	5.83530500	0.05381700	0.88775800
6	4.34064700	0.00619300	-0.53059800	1	-0.16242800	3.70069500	-2.53412200	1	5.37936000	0.35892500	-0.79523200
6	4.43013600	-0.57282500	2.19115400	1	-1.46493200	3.54239600	-1.36718700	6	4.14366200	-1.98544500	-0.01736300

1	4.93042000	-2.40866300	0.62184200	1	0.66830000	3.67830600	1.39974200	6	-4.71186400	0.46024400	0.03834700
1	3.25372200	-2.62589900	0.05406800	1	-0.94457000	5.01439100	0.04233800	1	-5.72434700	0.10075000	0.27584700
1	4.50988800	-2.02215300	-1.05469500	1	-2.05180300	3.64343300	-0.02471600	1	-4.44927800	1.24789500	0.76009100
6	3.24914600	-0.51738800	1.80512800	7	0.21750300	1.21164600	-0.05068900	1	-4.73462600	0.91513500	-0.96215100
1	3.00295300	0.51167300	2.10131300	7	1.35195000	-1.32581800	-0.02157100	6	-3.63843600	-1.26509700	1.49251400
1	2.33328100	-1.12570600	1.86803900	6	1.84727500	-2.56115400	0.00288000	1	-2.89439200	-2.07517500	1.53954100
1	3.97844600	-0.91206600	2.52498000	6	3.24074200	-2.81773300	0.06422300	1	-3.34335500	-0.49838400	2.22540800
8	2.74832300	-0.04834300	-0.46397000	1	3.57484700	-3.85494700	0.08110800	1	-4.61211700	-1.67673600	1.80177700
1	3.02681200	-0.17935700	-1.38043300	6	4.10710500	-1.75953100	0.09564000	8	-2.45843800	-0.07013200	-0.24062800
				1	5.18600000	-1.92570800	0.13990200				
				6	3.61364000	-0.42735300	0.07016600				
				6	2.20009300	-0.24434900	0.01326000				
B-IM6				6	1.65541700	1.07137100	-0.00791200	B-IM7			
8	1.01858300	-3.58269300	-0.03234100	6	2.53066500	2.14936200	0.01963800	6	-4.74820800	-3.39162900	1.55408400
1	0.09634800	-3.20441700	-0.08084200	1	2.13443700	3.16307300	0.00282900	6	-3.60098300	-3.03498200	2.26759700
6	-0.32267800	1.86650700	-1.27290600	6	3.92530800	1.97030600	0.07023000	6	-2.43631400	-2.67976200	1.59730400
6	-0.38976000	1.78854100	1.18010000	1	4.57727200	2.84554700	0.09006100	6	-2.37874600	-2.67996100	0.19043900
6	-0.30637500	3.38643800	-1.25028700	6	4.46055100	0.70153600	0.09734800	6	-3.54327900	-3.04080500	-0.51002700
1	-1.36640900	1.51594900	-1.34588600	1	5.54159400	0.54840300	0.13926600	6	-4.71292100	-3.38957700	0.16064500
1	0.22180100	1.45874700	-2.13685200	1	-0.65496900	-0.89276200	-0.12163000	1	-5.66371000	-3.66550700	2.08327900
6	-0.35993700	3.30576000	1.25446900	46	-1.24032800	-2.35606900	-0.15971000	1	-3.61904700	-3.02767600	3.36037800
1	-1.43787100	1.44228400	1.16692200	1	-3.68014400	-0.67028000	0.08555700	1	-1.55393200	-2.37846700	2.16880800
1	0.10118400	1.31946000	2.04536700	6	-4.05601800	-1.74906600	-0.92788900	1	-3.52105700	-3.04796100	-1.60426900
6	-0.98141900	3.91502400	0.00655900	1	-3.31033500	-2.55828300	-0.91556400	1	-5.60266800	-3.66581800	-0.41052700
1	-0.82711800	3.74708500	-2.15076900	1	-5.04266700	-2.19074300	-0.71795300	6	0.15507300	-2.35368600	-0.02309600
1	0.72090100	3.77943200	-1.33369600	1	-4.07592100	-1.33051600	-1.94443000	6	1.29960100	-2.37341900	-0.94693600
1	-0.91129300	3.61681000	2.15528500					8	1.16933300	-2.41078100	-2.16866300

6	2.68728000	-2.27974100	-0.36811800	1	4.18500900	0.68502800	-0.31368400	6	-2.48574500	-4.80369400	1.09310100
6	3.75615700	-2.17002600	-1.27031300	7	1.03673600	1.52001600	0.30221000	6	-2.00800000	-3.74477800	0.32215300
6	2.97126800	-2.28663200	1.00563400	7	-1.56049500	1.48957900	-0.57720600	6	-0.63676200	-3.62266800	0.06687000
6	5.06693200	-2.06317900	-0.81720400	8	-3.21637300	0.29735600	-1.59110300	6	0.24236600	-4.57704000	0.59556800
1	3.51677900	-2.17441900	-2.33630100	6	-2.77042300	1.44770900	-1.11053600	6	-0.23916000	-5.63524400	1.36330400
6	4.28437400	-2.18021200	1.46255900	6	-3.62064500	2.58198200	-1.17121000	1	-1.98412600	-6.57901200	2.21951400
1	2.16250000	-2.37300000	1.73440800	1	-4.60037700	2.48130400	-1.63808800	1	-3.55769400	-4.88689400	1.28729000
6	5.33569900	-2.06608700	0.55319300	6	-3.18952000	3.74853900	-0.59896000	1	-2.69654200	-2.99974000	-0.09118600
1	5.88759400	-1.97863300	-1.53403800	1	-3.83243300	4.63228400	-0.59295700	1	1.31462400	-4.49127700	0.39447300
1	4.48825400	-2.19054800	2.53626400	6	-1.90529400	3.82503200	0.00477900	1	0.45800200	-6.37363800	1.76678800
1	6.36456000	-1.98445600	0.91225300	6	-1.09064100	2.65719600	-0.04994800	6	1.04330000	-1.73441200	-0.23656300
1	0.31404600	-2.66989500	1.01300600	6	0.23119000	2.68190200	0.49026200	6	2.08467500	-1.27049600	-1.15801300
6	1.98377200	1.17153900	1.37772000	6	0.64213500	3.82321100	1.16363700	8	1.93102500	-1.30078900	-2.37699500
6	1.67815500	1.46441900	-1.03921100	1	1.63514000	3.85433400	1.61157500	6	3.33285400	-0.65755700	-0.58802900
6	3.35753600	1.83143400	1.31321800	6	-0.18534700	4.95891100	1.26609100	6	4.17246600	0.03717000	-1.47282500
1	2.12878500	0.08059300	1.30817000	1	0.18106800	5.83769700	1.80044300	6	3.70907300	-0.74992200	0.76064400
1	1.48376100	1.35856000	2.33925000	6	-1.42739400	4.97656700	0.67068400	6	5.34550300	0.63306000	-1.02336500
6	2.96471700	2.26557500	-1.11065900	1	-2.06153800	5.86503300	0.71735000	1	3.87199000	0.08627900	-2.52221500
1	1.89488800	0.40377100	-1.26140800	6	-1.16650100	-2.30948100	-0.55517500	6	4.88833500	-0.15791300	1.21182400
1	0.93667100	1.79115700	-1.78200000	1	-1.23270200	-2.44481400	-1.64454900	1	3.09084600	-1.30339600	1.47083600
6	3.95399800	1.74097400	-0.08203200	1	-2.52013000	-0.37656100	-1.40903800	6	5.70679700	0.53758500	0.32267900
1	4.00885000	1.33473100	2.04968000	46	-0.45304900	-0.35794700	-0.17569800	1	5.98761700	1.17202100	-1.72408900
1	3.31330900	2.88799300	1.62490800					1	5.17304800	-0.24704200	2.26288000
1	3.37477500	2.19779900	-2.12967300					1	6.63050600	1.00091600	0.67733800
1	2.75373200	3.33602600	-0.93302600	B-IM8				1	1.31860800	-1.94137900	0.80390100
1	4.91073900	2.28237200	-0.13153200	6	-1.60597400	-5.75089800	1.61553800	6	0.95804200	1.52566100	1.54112600



6	0.92892700	2.16460500	-0.84543400	1	-0.19904600	4.21445500	1.42686700	6	-4.22684300	-0.50392400	0.63714100
6	1.90471300	2.67291600	1.86244600	6	-2.30880400	4.50052600	1.13587000	6	-5.33746200	-0.57578400	1.49450300
1	1.56919400	0.62732400	1.36477800	1	-2.29216600	5.49611000	1.58235200	6	-4.31539600	0.25417400	-0.54088000
1	0.28148600	1.29610300	2.37599000	6	-3.48997100	3.96794400	0.64825000	6	-6.51715600	0.08289400	1.17482800
6	1.78485000	3.37772000	-0.53881900	1	-4.42105300	4.53835600	0.70477800	1	-5.24377000	-1.16208400	2.41109800
1	1.58668700	1.33369900	-1.14738300	6	-0.09526900	-2.50465300	-0.77934100	6	-5.49626700	0.92634200	-0.84894500
1	0.23222200	2.33841800	-1.67692200	1	0.10820200	-2.79716800	-1.82634800	1	-3.45757900	0.38276000	-1.20502700
6	2.70349900	3.09255900	0.63867000	1	-1.05545600	-1.83113900	-1.02781200	6	-6.59767400	0.83659500	0.00048700
1	2.57794300	2.32632600	2.66237100	46	-0.49653300	-0.31557600	-0.32286500	1	-7.37910600	0.01596400	1.84259600
1	1.36825900	3.53233300	2.29188700					1	-5.54667300	1.53235100	-1.75580800
1	2.36752200	3.61948700	-1.44080300					1	-7.52316100	1.36185600	-0.24803700
1	1.15255400	4.25997200	-0.34530500					1	-2.30219900	-1.85211100	-0.92841600
1	3.33794700	3.96169800	0.86748600					6	2.43286100	-0.51398800	1.75799200
1	3.39339700	2.27519500	0.36061400					6	2.77268300	-0.41577100	-0.67105900
7	0.11391000	1.68410700	0.31837200					6	3.89792100	-0.87556600	1.97708000
7	-2.28775900	0.66914700	-0.49178700					1	1.86316000	-1.45612900	1.70266600
8	-3.34102400	-1.14852500	-1.37198400					1	2.01889500	0.06124200	2.59791900
6	-3.40710200	0.01568500	-0.96385300					6	4.26338100	-0.61722700	-0.48159700
6	-4.64495400	0.78830000	-0.93428500					1	2.29471300	-1.39880300	-0.82163000
1	-5.53493100	0.29076800	-1.32385100					1	2.53669900	0.19783100	-1.55167600
6	-4.69280300	2.05038400	-0.43080400					6	4.51794800	-1.49367700	0.73401900
1	-5.63697700	2.60324800	-0.40447400					1	3.94003300	-1.57833000	2.82377100
6	-3.51578800	2.68312100	0.08092900					1	4.48711700	-0.00476600	2.30084600
6	-2.31017700	1.92626200	0.01201100					1	4.67246200	-1.07728200	-1.39374600
6	-1.10029900	2.49110700	0.49421500					1	4.77121100	0.35705400	-0.37777500
6	-1.11546200	3.76403800	1.05076800					1	5.59353800	-1.67006200	0.88362500

B-IM8<sup>iso</sup>

1	4.06526900	-2.48586600	0.55457100	6	0.72001200	2.52722100	0.50252200	1	-0.12714300	2.54802100	1.21242700
7	2.10493100	0.22220800	0.50605300	6	0.33834800	1.75912400	-0.74919100	6	0.65987600	-2.20092000	1.82219000
7	0.22498400	1.86181400	-0.60122700	6	-0.87059600	2.21792900	-1.45997300	6	-1.46496100	-2.87638400	0.83464900
8	-1.80210100	1.93315200	-1.63159600	6	-1.83238400	3.08132500	-0.89406600	6	0.66391200	-3.44093100	2.69368700
6	-0.78248000	2.52924700	-1.26026200	6	-1.11528700	1.75444100	-2.77168100	1	0.18773000	-1.35999400	2.35849000
6	-0.56420600	3.95708700	-1.46667600	6	-2.99228600	3.43204400	-1.58803000	1	1.66912300	-1.85728600	1.56306000
1	-1.34652500	4.49895200	-2.00157800	1	-1.66278100	3.51169400	0.09811100	6	-1.57940400	-4.05134800	1.80457400
6	0.54199200	4.58857400	-0.98782700	6	-2.26238600	2.11448800	-3.46718900	1	-2.00452000	-2.02262200	1.28071500
1	0.67166300	5.66617800	-1.12987200	1	-0.37820300	1.09054900	-3.23360300	1	-1.95090400	-3.10189400	-0.12717900
6	1.55716100	3.86538600	-0.28505900	6	-3.21685000	2.95006400	-2.87558900	6	-0.75932000	-3.82401600	3.06368300
6	1.34520800	2.46390300	-0.14175600	1	-3.72170000	4.09717100	-1.11824800	1	1.27207100	-3.24698200	3.58966600
6	2.32600200	1.66965000	0.51715400	1	-2.41836200	1.74116000	-4.48250800	1	1.15830400	-4.27188900	2.15947300
6	3.44244400	2.28613600	1.06471100	1	-4.12094000	3.23062200	-3.42101300	1	-2.64492700	-4.19053600	2.04546700
1	4.19935500	1.69775000	1.58024000	6	1.86325800	1.94126900	1.31852600	1	-1.25903200	-4.99217200	1.33222700
6	3.62749000	3.67619800	0.95944100	6	3.16950100	2.65298700	1.36874800	1	-0.78439600	-4.71643600	3.70703800
1	4.51145900	4.13322000	1.40750800	6	4.04866700	2.35092600	2.41725900	1	-1.20810800	-3.00701200	3.65734300
6	2.70524400	4.45027900	0.27711900	6	3.55795800	3.59385100	0.40595900	7	-0.10396500	-2.38699300	0.55138500
1	2.85239900	5.52911400	0.17593500	6	5.27933200	2.99078800	2.51611200	7	1.80213500	-1.00295300	-0.85415000
6	-0.65035700	-2.02743600	0.48875600	1	3.73646900	1.60265200	3.14913100	8	3.07587100	0.90337500	-0.95389300
1	-0.65266000	-2.23493000	1.56664300	6	4.79465800	4.22515900	0.49625700	6	2.91605000	-0.28561500	-1.25181600
1	-1.72864300	-0.30857400	-0.45658400	1	2.90641000	3.80276900	-0.44509500	6	3.89053700	-0.99875500	-2.07237700
46	-0.04604400	-0.09266500	0.02949000	6	5.65436300	3.93158200	1.55539800	1	4.74222700	-0.40752000	-2.41343800
				1	5.95359900	2.75532800	3.34314100	6	3.73694500	-2.30390300	-2.40840900
				1	5.09483300	4.94579800	-0.26795100	1	4.46458100	-2.80951500	-3.05096700
B-IM9				1	6.62233100	4.43354500	1.62881700	6	2.62585100	-3.05001300	-1.90812400
1	-2.01477900	1.32514400	0.68033900	8	1.66070500	0.95779000	2.01356000	6	1.70709200	-2.35188200	-1.07434300

6	0.65972300	-3.09154400	-0.45152700						1	2.98669600	5.62298400	0.80269300
6	0.45329000	-4.41828000	-0.80155700	B-IM10					1	5.07848300	4.50231400	1.55103800
1	-0.37197400	-4.97633300	-0.36066600	1	-1.79722600	0.38441000	0.88195700		8	0.47946600	0.56342700	1.88346200
6	1.30423000	-5.07210100	-1.70921300	6	-0.77995000	2.28666800	0.84077400		1	-1.33239000	2.76962200	1.66806500
1	1.11248600	-6.11353000	-1.97387200	6	-1.66597800	1.23339200	0.19213900		6	1.08719700	-2.69012200	1.18698100
6	2.39897600	-4.40388300	-2.22205700	6	-2.99842600	1.74258200	-0.27299100		6	1.29911200	-3.31681200	-1.18803500
1	3.09902000	-4.90983700	-2.89239000	6	-4.06347500	1.85720900	0.62960000		6	1.68768100	-4.02121100	1.61359500
46	0.00271900	-0.21771900	-0.18336000	6	-3.19626900	2.12445900	-1.60565000		1	-0.00898200	-2.79186500	1.15355700
1	1.19103000	1.67374300	-1.43115900	6	-5.29943600	2.34067700	0.20983700		1	1.32200800	-1.87440700	1.88313000
6	-3.11298200	0.05891000	-0.31725100	1	-3.92448500	1.54132000	1.66840900		6	1.95845700	-4.62896100	-0.80359800
1	-2.97747900	0.53975700	-1.30101100	6	-4.43702800	2.60104000	-2.02804300		1	0.20930800	-3.46233500	-1.26270400
8	-2.00867600	0.36269800	0.54624600	1	-2.36120800	2.04668400	-2.30923600		1	1.65793900	-2.93416600	-2.15373400
6	-4.42732500	0.44371200	0.29278400	6	-5.49139700	2.71021600	-1.12200500		6	1.46887600	-5.09456600	0.55882000
6	-4.64660200	0.31023000	1.66954100	1	-6.12359700	2.41225700	0.92413000		1	1.20622700	-4.30684900	2.56124400
6	-5.46320200	0.92640000	-0.51519900	1	-4.57976100	2.89099200	-3.07193000		1	2.75742700	-3.92300400	1.85511600
6	-5.87866300	0.65010200	2.22468900	1	-6.46411000	3.08140100	-1.45374100		1	1.71577700	-5.36934100	-1.58102000
1	-3.83875500	-0.05674400	2.30827100	6	0.48163900	1.70283500	1.43844900		1	3.05657000	-4.53564000	-0.82023100
6	-6.69841000	1.25676700	0.03882900	6	1.72540600	2.52173500	1.47354000		1	1.95526300	-6.03698000	0.85196200
1	-5.29169500	1.04902500	-1.58877600	6	2.91011600	1.90386600	1.90473600		1	0.38911200	-5.31515000	0.49073400
6	-6.90871100	1.12097000	1.41071300	6	1.76794700	3.86710500	1.07527200		7	1.47875200	-2.22548200	-0.18191600
1	-6.03627800	0.54515000	3.30064400	6	4.10785200	2.60794100	1.92767400		7	1.62200000	0.36587900	-1.10922600
1	-7.49846900	1.63229700	-0.60326600	1	2.86644700	0.85344700	2.20420900		8	0.45144700	2.12259100	-1.96231600
1	-7.87431600	1.38706300	1.84657400	6	2.96567200	4.57551200	1.11156200		6	1.54483500	1.62641600	-1.66477000
1	-3.05030100	-1.02794100	-0.48361300	1	0.86188100	4.36888800	0.73044900		6	2.81412700	2.32229600	-1.84139900
1	0.91012200	3.58626900	0.24927500	6	4.13763200	3.94664500	1.53214100		1	2.75563900	3.32777600	-2.26272600
				1	5.02592200	2.11028000	2.24987000		6	3.99732500	1.76184200	-1.48020300

1	4.93613000	2.31153500	-1.60105500	1	-2.93621000	-2.59524300	-1.60993000	1	-4.09869400	2.71661600	0.10072500
6	4.04362300	0.44180800	-0.93124400	1	-0.55813800	3.07602800	0.11146800	6	-4.79751700	1.61891200	-3.04126500
6	2.79786400	-0.23282300	-0.77703300					1	-3.41661900	0.56683400	-4.32571600
6	2.78026100	-1.55272500	-0.25888000					1	-5.92758900	2.69508000	-1.54590500
6	3.97316300	-2.15233300	0.12791300	B-IM11				1	-5.61050000	1.61361200	-3.77100900
1	3.97643700	-3.16246500	0.53148900	1	-1.87661600	-0.30404200	0.87032100	8	-0.41729600	1.17288300	-0.64961300
6	5.19577500	-1.47293100	0.00539200	6	-1.74712400	1.88201000	1.15048000	1	-2.72203400	2.21940900	1.50854200
1	6.11629800	-1.96567200	0.32286100	6	-0.61164900	1.85300700	2.11938600	6	2.11357900	0.52712900	-2.18620300
6	5.22769300	-0.19596200	-0.52760000	6	0.32592800	3.04449300	2.10209400	6	2.58627700	1.22136600	0.13842800
1	6.17589500	0.33766300	-0.63769000	6	0.33267700	3.98001900	1.06158900	6	3.15338700	1.50901000	-2.70194800
46	-0.00842400	-0.74468800	-0.66266100	6	1.26265900	3.19794200	3.13452300	1	1.13009100	1.02203300	-2.18734600
1	-1.12422100	0.91443600	-0.74293300	6	1.24492300	5.03620200	1.05372900	1	2.04197900	-0.37157700	-2.81457200
6	-2.64789200	-1.79190500	-0.89309500	1	-0.38721200	3.87579900	0.24576500	6	3.64591100	2.19435600	-0.34291300
1	-2.55271100	-0.89308700	-1.55913400	6	2.17500400	4.25062700	3.13010500	1	1.62984000	1.75900700	0.21013000
8	-1.45844800	-2.07977800	-0.27317700	1	1.27268900	2.47509800	3.95667700	1	2.81612600	0.80577600	1.12989500
6	-3.81024400	-1.54355200	0.03996800	6	2.17031700	5.17752500	2.08637800	6	3.32446100	2.68027800	-1.74703200
6	-3.63836700	-1.57752400	1.42574500	1	1.22922100	5.75659200	0.23142500	1	2.81285400	1.85785400	-3.68884200
6	-5.08290600	-1.27312800	-0.47745800	1	2.89125100	4.35141700	3.94954500	1	4.11712200	1.01007500	-2.88902200
6	-4.71733100	-1.33997800	2.27887000	1	2.88126300	6.00720400	2.08242800	1	3.65745900	3.03506400	0.36782100
1	-2.64152500	-1.79264400	1.82033700	6	-1.57779800	1.57444800	-0.17541900	1	4.65332700	1.75079300	-0.29602200
6	-6.15956000	-1.03487600	0.37099700	6	-2.70304400	1.62915500	-1.15235800	1	4.09714100	3.37317200	-2.11216200
1	-5.22488400	-1.23518100	-1.56289600	6	-2.53363400	1.04563300	-2.41824300	1	2.38302000	3.25742800	-1.71427500
6	-5.98023300	-1.06636500	1.75565500	6	-3.94002800	2.22963300	-0.86363500	7	2.32199700	0.06102400	-0.77760000
1	-4.57037300	-1.37101400	3.36194500	6	-3.56963900	1.03431100	-3.34978900	7	1.48655400	-2.36151500	0.21064000
1	-7.14463900	-0.81433800	-0.04861900	1	-1.56838800	0.59067300	-2.65317500	8	-0.26433700	-3.65935200	0.93051600
1	-6.82505700	-0.88052200	2.42364300	6	-4.97428000	2.22198800	-1.79425600	6	0.93615900	-3.54225100	0.69593600

6	1.87704600	-4.64139900	0.90487900	6	-6.26359200	-1.97980600	1.53493600	6	3.89309200	0.74179500	3.02074800
1	1.44255300	-5.55678100	1.31066500	1	-5.37029800	-3.23299400	3.05203300	1	1.76375500	0.69634000	2.62704400
6	3.19423900	-4.54399400	0.60018100	1	-6.87838000	-0.72283700	-0.11297100	6	5.28656800	1.40348600	1.15744200
1	3.87174400	-5.38913900	0.75566700	1	-7.25480700	-1.99837900	1.99451800	1	4.27612400	1.86054200	-0.67751700
6	3.72371800	-3.32977800	0.06265200	1	-1.89725500	-2.87694900	-0.32540600	6	5.15711000	0.99389900	2.48581500
6	2.80952000	-2.24838500	-0.11104100					1	3.79329400	0.41833500	4.05935100
6	3.29489200	-1.02714100	-0.63718000					1	6.27624500	1.58599300	0.73382000
6	4.63559100	-0.89781900	-0.98125400	B-IM12				1	6.04813800	0.86446000	3.10505600
1	5.01170300	0.03864900	-1.38688400	1	2.46566500	1.10336100	-1.84171800	8	0.53805400	1.26699800	0.62641000
6	5.52816800	-1.96571700	-0.81174200	6	1.78322100	1.82275400	-1.36507300	1	2.31905600	2.78959700	-1.38845900
1	6.57607400	-1.84114000	-1.08907900	6	0.49365100	1.90874000	-2.15102500	6	-2.11646100	0.42338200	2.20555200
6	5.07170500	-3.16493000	-0.29325300	6	-0.41074000	3.07789300	-1.86434300	6	-2.79441900	1.21942700	-0.02195800
1	5.75526900	-4.00665300	-0.15369000	6	-0.18687600	3.98370300	-0.82089400	6	-3.17243200	1.30002000	2.86132500
46	0.44735700	-0.65298800	-0.11793600	6	-1.55329900	3.26417000	-2.65864800	1	-1.16587500	0.97919600	2.18003100
1	0.01285800	0.95296300	1.92967600	6	-1.07615300	5.03069000	-0.57209300	1	-1.93848700	-0.50252100	2.77022100
1	-0.98673200	1.72010900	3.14651700	1	0.68841000	3.87411700	-0.17617000	6	-3.88806600	2.07771300	0.58669500
6	-2.35523600	-1.88442000	-0.23475500	6	-2.44295700	4.30640600	-2.41516000	1	-1.88419800	1.83269800	-0.12100800
1	-2.37491200	-1.39404100	-1.22302500	1	-1.74532300	2.56821600	-3.48153600	1	-3.05476600	0.85645200	-1.02658500
8	-1.46139700	-1.16730300	0.64699300	6	-2.20963300	5.19606900	-1.36446300	6	-3.50534300	2.50556900	1.99488200
6	-3.72451600	-1.93590000	0.35985700	1	-0.87758600	5.72253300	0.25034300	1	-2.77913000	1.62014000	3.83834900
6	-3.94147800	-2.65038100	1.54637600	1	-3.32380300	4.42762700	-3.05085100	1	-4.08009900	0.72115300	3.09158800
6	-4.78804400	-1.24353300	-0.22866300	1	-2.90482000	6.01625900	-1.17050800	1	-4.02320800	2.95488100	-0.06413700
6	-5.20518600	-2.67145500	2.12935000	6	1.65385300	1.40545500	0.07326700	1	-4.85485000	1.54936100	0.58096500
1	-3.10259400	-3.18724300	1.99872000	6	2.87650200	1.30602600	0.88973800	1	-4.30192100	3.10888200	2.45538700
6	-6.05448900	-1.26734900	0.35532000	6	2.76104400	0.89564200	2.22890900	1	-2.61897200	3.16267200	1.93471600
1	-4.61843200	-0.68114500	-1.15283800	6	4.15673800	1.55897300	0.36469100	7	-2.39916900	0.03035300	0.79179900

7	-1.47272000	-2.24628800	-0.45938700	1	3.19575900	-1.16910500	-2.27618000	6	-2.95833600	-2.29392000	0.10039400
8	0.20611800	-3.29339000	-1.63867900	6	5.89740600	-1.94646200	0.39478600	6	-2.32922100	-3.02231300	1.12270100
6	-0.93046800	-3.30918300	-1.18718300	1	4.24002100	-2.26936300	1.74037700	6	-4.34462800	-2.45077300	-0.06064500
6	-1.81349600	-4.46254500	-1.37411600	6	6.29177600	-1.58478300	-0.89350600	6	-3.05868600	-3.85554600	1.96726600
1	-1.37095200	-5.29666700	-1.92166900	1	5.62048600	-1.03466300	-2.87114600	1	-1.25122000	-2.90541100	1.25563500
6	-3.08487100	-4.49840400	-0.91143000	1	6.65063700	-2.16949100	1.15564400	6	-5.07513400	-3.28122400	0.78371500
1	-3.71914100	-5.37623200	-1.06913400	1	7.35285800	-1.53012000	-1.14971200	1	-4.86297500	-1.92557200	-0.86595500
6	-3.62792500	-3.37638800	-0.21134900	1	1.71922600	-2.80078800	0.00177700	6	-4.43707400	-3.98652700	1.80554500
6	-2.76859600	-2.25191000	-0.01710600					1	-2.54697900	-4.40568800	2.76109800
6	-3.29462400	-1.11564300	0.64805000					1	-6.15309000	-3.38598300	0.63808200
6	-4.60616700	-1.11735600	1.11232300	B-IM13				1	-5.01187200	-4.63967500	2.46623600
1	-5.00713700	-0.24362500	1.62172900	1	-2.04201800	0.69520100	0.20833300	8	-0.83250900	-1.54794900	-0.64886900
6	-5.43549500	-2.23187900	0.93379400	6	-2.70683100	-0.44164900	-1.56162600	1	-3.79689300	-0.35253300	-1.58490800
1	-6.45956500	-2.21134000	1.30987900	6	-1.93981100	0.46728300	-2.47049700	6	1.81229700	-2.69734400	-0.03437000
6	-4.94438300	-3.34465200	0.27332600	6	-2.19646800	1.93598600	-2.22289700	6	1.95932600	-1.25960400	-2.03515500
1	-5.57725600	-4.22216700	0.11551100	6	-3.42070800	2.51959600	-2.57852800	6	2.52804500	-3.82440300	-0.76753800
46	-0.49047000	-0.53359600	0.00136500	6	-1.23788300	2.73357000	-1.58948400	1	0.72832700	-2.84375300	-0.15074200
1	-0.07319400	0.96783400	-2.00374800	6	-3.67552200	3.86320400	-2.31119900	1	2.04068600	-2.69366700	1.04064700
1	0.73625400	1.90934300	-3.22544100	1	-4.18197400	1.91073700	-3.07758800	6	2.77378700	-2.31850600	-2.75245400
6	2.09791900	-1.76422200	0.12226300	6	-1.49005600	4.07677200	-1.31435300	1	0.89050600	-1.41139300	-2.25500100
1	2.00695000	-1.52817800	1.21190200	1	-0.28615500	2.29514500	-1.27077100	1	2.22799900	-0.23928800	-2.34374900
8	1.38122600	-0.88352500	-0.66827000	6	-2.70911900	4.64650800	-1.67718900	6	2.37168900	-3.70465500	-2.27518900
6	3.56208200	-1.71786000	-0.23251700	1	-4.63356900	4.30263500	-2.60081700	1	2.09162300	-4.76921500	-0.40907800
6	3.96616700	-1.37333500	-1.52849000	1	-0.72787700	4.66289900	-0.79613300	1	3.59205600	-3.88137100	-0.49261700
6	4.54378100	-2.00748500	0.72143600	1	-2.91064100	5.69916900	-1.46368700	1	2.59717700	-2.20773800	-3.83290400
6	5.31966700	-1.30294400	-1.85461100	6	-2.13437800	-1.39007900	-0.75154700	1	3.85309100	-2.14568300	-2.60909900

1	2.95165800	-4.48568600	-2.78886600	1	-3.45756300	0.59307300	3.40686400	1	-1.03789200	6.53051000	-2.32266600
1	1.31518600	-3.87955400	-2.54407400	1	-3.78259900	0.39630100	1.67598400	6	-2.61095200	-0.50679400	-0.00346200
7	2.07300000	-1.31198300	-0.54044700	6	-2.28391800	2.69923200	2.05660600	6	-3.82322500	-1.32514400	0.21431900
7	1.95975500	1.16536300	0.63354600	1	-2.69619400	3.02901400	3.02131800	6	-3.71818900	-2.50332300	0.97558000
8	0.69296700	3.04177800	0.98182200	1	-1.43964900	3.34311300	1.78401600	6	-5.07098800	-0.97461000	-0.32656800
6	1.79536700	2.49544600	0.99383900	1	-3.07084500	2.81925600	1.29636700	6	-4.83228800	-3.30205300	1.19625000
6	3.00709100	3.20095500	1.40517100	6	-0.70330600	1.05511300	3.12388700	1	-2.74709800	-2.76350500	1.40198200
1	2.85965200	4.22868400	1.74196100	1	0.12859400	1.73280800	2.90024800	6	-6.18246300	-1.78608200	-0.11780600
6	4.23479900	2.62714400	1.36059100	1	-1.05344500	1.26351200	4.14411500	1	-5.17307900	-0.07219500	-0.93205800
1	5.12656300	3.17881100	1.67339400	1	-0.33813000	0.01688600	3.09675500	6	-6.06671000	-2.94638900	0.64693400
6	4.38690400	1.28959600	0.88097700					1	-4.74404600	-4.20647100	1.80196200
6	3.19678100	0.60240500	0.49849200					1	-7.14549200	-1.50984200	-0.55196600
6	3.30956800	-0.69904400	-0.04689100	B-IM14				1	-6.94276500	-3.57602300	0.81860300
6	4.55492000	-1.30848000	-0.14354500	1	-2.22911300	1.46021900	0.40935200	8	-1.51082800	-1.04047800	0.22399400
1	4.64701500	-2.30880700	-0.55980700	6	-2.69290200	0.91411000	-0.43824600	1	-3.72695900	1.26284000	-0.54808600
6	5.71642200	-0.64671100	0.28041900	6	-1.86384900	1.23223700	-1.68890400	6	0.87562400	-3.01299100	-0.08269400
1	6.68165600	-1.14941800	0.20197100	6	-1.64336300	2.70529500	-1.88044100	6	1.01177500	-1.58640100	-2.08062400
6	5.62873600	0.64299000	0.77355400	6	-2.33098600	3.42555600	-2.86318700	6	1.02042100	-4.26644100	-0.93768700
1	6.52699400	1.18080100	1.08833700	6	-0.73678300	3.37979000	-1.04928400	1	-0.19790700	-2.82729400	0.07478700
46	0.44802100	-0.10902800	0.12778400	6	-2.11755600	4.79563000	-3.02116900	1	1.32768400	-3.14100300	0.91101200
1	-2.20286900	0.23182800	-3.51931800	1	-3.03783100	2.90567200	-3.51847500	6	1.27826200	-2.79862300	-2.95263500
1	-0.86210500	0.25936200	-2.37039000	6	-0.52061000	4.74581400	-1.21329300	1	-0.07436300	-1.39052500	-2.06582400
6	-1.83390600	1.25146100	2.13732000	1	-0.18897300	2.83844000	-0.26829500	1	1.49843700	-0.67664100	-2.45976300
8	-1.30642100	0.88843700	0.82238000	6	-1.21018900	5.45860100	-2.19622000	6	0.58469300	-4.02248400	-2.37451200
6	-2.99792900	0.32360800	2.44562200	1	-2.65968200	5.34516800	-3.79502200	1	0.40592300	-5.05478700	-0.47622000
1	-2.67755000	-0.72584000	2.50378400	1	0.20230600	5.24746200	-0.56505900	1	2.04897800	-4.65584900	-0.91063600

1	0.91634700	-2.58414000	-3.96946900	6	-1.27952000	-0.10234900	3.29926900	1	-0.91967300	4.47167100	-1.48653800
1	2.36283100	-2.96888200	-3.05200600	1	-0.78173100	-1.00749300	2.91142900	1	-2.36617400	3.84484200	-0.73882800
1	0.76854300	-4.91379200	-2.99276500	1	-1.34405300	-0.20021700	4.39431900	1	-1.14561100	5.08505200	0.98131800
1	-0.50757600	-3.85596100	-2.39921400	1	-2.30744100	-0.08859000	2.90261500	1	0.36326800	4.27201600	0.58407300
7	1.42860800	-1.75375300	-0.65886400	6	-1.24044300	2.40852900	3.35664600	7	-0.96028500	1.27342600	-0.16110300
7	2.33175300	0.61326400	0.43431500	1	-1.31393500	2.43296900	4.45448800	7	-1.14902100	-1.42326200	0.00918200
8	1.84935000	2.82841100	0.86419000	1	-0.70084100	3.30329600	3.01723100	8	0.04555500	-3.35275100	0.33283400
6	2.67507100	1.93287500	0.74267900	1	-2.25912400	2.45063600	2.94370400	6	-1.03343800	-2.78143400	0.30505700
6	4.10628700	2.17835500	0.93015700	6	0.89577000	1.12179200	3.46238400	6	-2.30831200	-3.45523600	0.57345500
1	4.36383200	3.18403700	1.26741800	1	1.44697200	2.03013100	3.18864300	1	-2.24047700	-4.53038500	0.75001300
6	5.05073100	1.24383100	0.66861500	1	0.86656400	1.04508800	4.56017000	6	-3.49374300	-2.79712600	0.61046400
1	6.11469700	1.46383400	0.80029200	1	1.45815700	0.25426600	3.08164900	1	-4.42560700	-3.33435600	0.81267900
6	4.67117100	-0.04816600	0.18783000					6	-3.55033900	-1.38197500	0.39866100
6	3.27255200	-0.31054100	0.06984300					6	-2.31409700	-0.73175500	0.12005800
6	2.86461100	-1.56246800	-0.45915100	B-IM15				6	-2.29374900	0.67640000	-0.03966400
6	3.81600800	-2.51632400	-0.80481300	6	-0.43123900	1.70647300	1.17130400	6	-3.48113900	1.39560500	0.00570400
1	3.50483900	-3.47461400	-1.21538000	6	-0.81982100	2.36807700	-1.16355200	1	-3.47881600	2.47687500	-0.11785500
6	5.18568400	-2.26846100	-0.64211200	6	-1.01749500	3.01882600	1.65180000	6	-4.70577700	0.74452900	0.22167600
1	5.91093300	-3.03856400	-0.90974700	1	0.66313500	1.80820900	1.06296800	1	-5.62825200	1.32703000	0.23932200
6	5.60157600	-1.03976700	-0.16010900	1	-0.60618400	0.88034500	1.87362700	6	-4.73187500	-0.62421100	0.43348300
1	6.66602800	-0.81908000	-0.04287700	6	-1.27027800	3.75687400	-0.72645300	1	-5.67809600	-1.13739900	0.62509500
46	0.45022300	-0.12832400	0.41994500	1	0.25730400	2.42134400	-1.39483500	6	2.53306400	-0.50761600	-1.51435000
1	-2.34461300	0.79160700	-2.57869600	1	-1.32585400	2.03933500	-2.08195200	1	2.95358500	-0.29531900	-2.52666300
1	-0.88148600	0.73762300	-1.57998500	6	-0.72968700	4.12325900	0.64714600	8	1.78479000	-1.60328100	-1.43634900
6	-0.51289600	1.15411300	2.87091400	1	-0.58829300	3.25662600	2.63629800	1	1.80766500	0.47746100	-1.49932900
8	-0.49949400	1.27772900	1.47405700	1	-2.10299800	2.90913200	1.81434300	6	3.54950600	-0.28339300	-0.41972100



6	3.50936800	-1.09252300	0.72043900	1	-3.82858600	-3.79345400	0.54894100	6	4.00179800	0.46897700	1.04520600
6	4.52185700	0.71482400	-0.52891000	1	-1.48324800	-4.63751500	0.86481100	1	3.77564000	2.62615500	1.13037700
6	4.43655800	-0.89677000	1.74180200	8	0.62144100	-3.17916300	0.44773200	1	2.64705600	2.78619100	-1.07188600
1	2.74697200	-1.87585500	0.77599200	6	-0.51390000	1.51726300	1.19634900	1	2.44583600	0.74085000	-2.50297000
6	5.44691200	0.90982100	0.49535800	6	-1.04149800	2.52946600	-0.95418600	1	3.19404800	-1.49316300	-1.59939000
1	4.56017800	1.33985100	-1.42766100	6	-1.16843600	2.68066900	1.92443600	1	4.53311100	0.42123400	2.00028000
6	5.40424800	0.10358900	1.63321500	1	0.56883500	1.71325600	1.07884400	6	4.27687400	-2.02352100	0.83586100
1	4.40804900	-1.53413700	2.62885200	1	-0.59742800	0.57899300	1.76086400	1	1.20684900	-2.41634300	0.18886000
1	6.20826000	1.68819100	0.40323600	6	-1.61040600	3.77168900	-0.27431900	1	4.92954600	-2.51437200	0.09717800
1	6.13175100	0.25184400	2.43485400	1	0.02390200	2.71298800	-1.18782500	1	4.84720700	-1.92162300	1.76795000
46	0.37402400	-0.32484100	-0.74955000	1	-1.53676200	2.32696200	-1.91512500	1	3.45573100	-2.73065700	1.03388600
				6	-1.01487200	3.95708500	1.11255900				
				1	-0.71667200	2.78739600	2.92263300				
				1	-2.23891900	2.46206000	2.09004500	B-IM17			
B-IM16				1	-1.41483600	4.64940200	-0.91007100	6	-3.79455400	1.84406900	-0.40305700
6	-3.49384000	0.94272200	-0.53854100	1	-2.70774500	3.70133000	-0.18901500	6	-2.54145600	1.29371500	-0.17248300
6	-2.22110000	0.48837000	-0.21240500	1	-1.47464800	4.81648900	1.62389600	6	-1.44640000	2.16726500	0.08556300
6	-2.05230000	-0.91265500	0.03830200	1	0.06117000	4.19512200	1.02090200	6	-1.67927100	3.57640300	0.13386800
6	-3.19585900	-1.76038900	0.11780100	1	-1.07884000	1.30885100	-0.15121700	6	-2.97226600	4.08913200	-0.10802700
6	-4.47858700	-1.23642600	-0.16597600	7	0.97957900	-0.32328100	-0.61376900	6	-4.01380500	3.23311800	-0.38097600
6	-4.61107900	0.08584900	-0.52944400	46	-0.78753100	-1.41788200	0.14364600	1	-4.63812900	1.18822500	-0.60502400
1	-3.64061300	1.99616100	-0.78065000	7	3.57492300	1.72139300	0.55058000	6	-0.57741400	4.41731700	0.42792900
6	-2.97091600	-3.12342700	0.44793700	6	2.93198700	1.80984600	-0.66837900	1	-3.12443200	5.17046000	-0.07404500
1	-5.34702800	-1.89703200	-0.11142400	6	2.67821200	0.63439100	-1.43675100	1	-5.01599400	3.62089000	-0.57188700
1	-5.59397100	0.49162300	-0.77829200	6	3.09582700	-0.63721300	-0.92083500	6	0.65197900	3.86621400	0.66470300
6	-1.69687500	-3.59670800	0.62119200	6	3.78107300	-0.70282900	0.33737900	6	0.80736700	2.45856100	0.58506800
6	-0.61703100	-2.70365100	0.41018600	6				1	-0.72372100	5.49889800	0.47034200

1	1.51842000	4.48544600	0.90739300	1	6.10586400	0.26166300	2.04491800	B-IM18			
8	1.97909600	1.88305000	0.81681100	1	7.64809300	1.01022900	0.23727600	6	2.67750900	-1.91495400	1.11459300
6	-2.71774300	-0.84481300	-1.41373000	1	6.83232900	1.09987600	-2.11796600	6	2.29874500	-1.71139900	-1.27489300
6	-2.83830100	-0.81973300	1.04997000	1	4.49613300	0.45058000	-2.65155900	6	4.01569600	-2.61120600	0.89573300
6	-4.18384600	-1.24318700	-1.50075600	1	3.74224300	-0.37792600	1.48589800	1	1.88160000	-2.67973300	1.20000400
1	-2.10039200	-1.75799200	-1.42557900	6	2.54142100	-0.36828800	-0.93946400	1	2.63954800	-1.34267700	2.05118400
1	-2.40749200	-0.21977400	-2.26294400	1	2.09261800	0.53035900	-1.43090000	6	3.64215800	-2.36610600	-1.56804400
6	-4.32175600	-1.13283200	0.99618900	1	2.56483500	-1.13365400	-1.75610300	1	1.50270800	-2.48159600	-1.25986900
1	-2.26840100	-1.76084900	1.11028700	8	1.84300100	-0.78251100	0.16313500	1	2.01784800	-0.99894700	-2.05964000
1	-2.56641200	-0.20657600	1.92145100	6	0.13627200	-3.47435500	0.31965800	6	4.03416000	-3.32133100	-0.45061500
6	-4.63891300	-1.96063500	-0.23956700	6	1.39756700	-3.84980100	-0.45652400	1	4.20677300	-3.31863900	1.71783300
1	-4.29316000	-1.89989900	-2.37756800	1	2.13145900	-3.03802800	-0.39335200	1	4.83502900	-1.87216000	0.92972900
1	-4.83829700	-0.38109900	-1.71027400	1	1.85950100	-4.76884000	-0.06254200	1	3.59761700	-2.88773600	-2.53692700
1	-4.58721100	-1.68093300	1.91323800	1	1.15281000	-4.01913200	-1.51545800	1	4.40929100	-1.57825600	-1.67420400
1	-4.92838100	-0.21117200	1.02032700	6	-0.86223700	-4.63446800	0.26898400	1	5.01968800	-3.77229900	-0.64389200
1	-5.71076400	-2.20416000	-0.29143100	1	-0.43379800	-5.55526400	0.69374300	1	3.31569600	-4.16130600	-0.42718700
1	-4.10573900	-2.92482700	-0.16468800	1	-1.77372800	-4.38915400	0.83570100	7	2.30085000	-1.03465900	0.02103600
7	-2.30215900	-0.13361300	-0.16594200	1	-1.15674500	-4.84322100	-0.76999000	7	0.64966000	0.80838500	-1.24275100
46	-0.13021800	-0.46320400	0.01175900	6	0.48172100	-3.15936300	1.77422900	8	-1.10665400	1.18070700	-2.66490300
7	-0.19168700	1.63819700	0.28063500	1	1.17932600	-2.31204400	1.82116200	6	-0.03304800	1.62622200	-2.02444500
6	5.75200600	0.31207300	1.01110700	1	-0.42680900	-2.89838400	2.34059000	6	0.31801000	2.99054600	-2.20519900
6	6.61843400	0.72984300	0.00138700	1	0.95205400	-4.01946600	2.27640100	1	-0.29054700	3.60741700	-2.86661500
6	6.16054600	0.77892600	-1.31717600	8	-0.53422000	-2.39522700	-0.28577100	6	1.38051800	3.48324500	-1.49816000
6	4.84946400	0.41530800	-1.61529900	1	2.66907100	2.54389600	0.95303900	1	1.64940100	4.54075800	-1.56818500
6	3.96992000	0.00105800	-0.60646400					6	2.15863900	2.62979500	-0.67072600
6	4.43773000	-0.04975100	0.71026500					6	1.79036500	1.25385500	-0.63253800

6	2.60264500	0.32117100	0.09221000	1	-0.14703100	2.33138100	3.99861700	6	4.76812200	-2.17382900	0.79945600
6	3.62643300	0.83676700	0.88535900	1	0.74092900	0.78610900	4.07504200	1	5.80511900	-2.28245000	1.12096200
1	4.23218700	0.15329800	1.48263500	6	-1.09485400	2.04419500	1.42068900	6	4.19718000	-0.89402400	0.72554300
6	3.92976900	2.20880200	0.90908700	1	-1.75030400	1.61338800	0.64380200	1	4.81139800	-0.03139800	0.97580500
1	4.75304800	2.55894100	1.53582600	1	-1.67976100	2.80789900	1.95658000	6	2.87463900	-0.72830300	0.33411000
6	3.23857900	3.09732100	0.11310200	1	-0.25578300	2.55085100	0.91900800	8	-1.94816500	0.11340100	0.03144400
1	3.50326100	4.15660200	0.08050900	6	-1.76043200	0.26852800	3.05127700	6	2.61751600	1.18079200	-1.17205300
6	-2.26342500	-1.76007100	-0.94672100	1	-1.40762600	-0.55368000	3.69022300	6	2.39692000	1.55516300	1.25587300
1	-2.22935500	-2.81834800	-0.61748700	1	-2.33544700	0.97002000	3.67500800	6	3.98729300	1.83022300	-1.16402500
8	-1.44721300	-1.40311900	-1.86219200	1	-2.45133200	-0.15545300	2.30377600	1	1.85482800	1.94275700	-1.40091100
1	-1.23121700	0.21740600	-2.46994800	6	-0.58202900	0.95045600	2.35990700	1	2.52548300	0.39423500	-1.93366100
1	-1.14592700	-1.76439900	1.06234900	8	0.21712600	0.01674200	1.67810700	6	3.70423900	2.33688100	1.27541100
6	-3.49733100	-1.04719600	-0.56899800					1	1.55508500	2.25763500	1.15600100
6	-3.84999000	0.20194300	-1.10321200					1	2.23289200	1.00605800	2.19314700
6	-4.34651900	-1.65111900	0.37198800	B-TS1				6	4.05565500	2.90549700	-0.09107700
6	-5.01869000	0.83204800	-0.68931300	7	0.76829100	-1.67339200	-0.29823000	1	4.17558800	2.25492700	-2.16137800
1	-3.20247400	0.68738800	-1.83519000	8	-1.22202200	-2.52964500	-1.04982700	1	4.76982800	1.06873500	-1.01171800
6	-5.51310200	-1.01748800	0.78462900	6	-0.05716100	-2.71463100	-0.71354700	1	3.59000600	3.14616700	2.01271100
1	-4.06958700	-2.62304800	0.79187000	6	0.55909100	-4.04192100	-0.70353900	1	4.53329600	1.72185400	1.65635700
6	-5.85065200	0.22956400	0.25670800	1	-0.09422300	-4.86163600	-1.00811400	1	5.04789600	3.37979600	-0.06800700
1	-5.28403800	1.80559800	-1.10753000	6	1.84700100	-4.25056500	-0.33316400	1	3.34378600	3.71015100	-0.34696700
1	-6.16171600	-1.49502700	1.52230400	1	2.27222700	-5.25884500	-0.32453600	7	2.23123700	0.57437100	0.13969800
1	-6.76459100	0.73209000	0.58125100	6	2.67892500	-3.15085300	0.04677200	46	0.12491200	0.21253600	0.00760900
46	-0.53619000	-0.79633300	0.02565800	6	2.08126300	-1.85781900	0.02036800	6	-2.59656300	-0.70218700	0.99229100
6	0.36085400	1.56289000	3.39708300	6	4.01884900	-3.28312700	0.44649400	6	-4.06209500	-0.75636000	0.67138500
1	1.22313600	2.02589000	2.89578200	1	4.45835400	-4.28357200	0.48054800	6	-5.01542600	-0.12566000	1.47562400

6	-4.48122900	-1.42404800	-0.48791300					1	0.25083100	-2.19639900	1.18168400
6	-6.36953300	-0.16893400	1.13981500					1	-1.12789400	-1.75619600	2.18614300
1	-4.69283200	0.40256300	2.37855200					6	-1.04543700	-4.41371300	-0.06548600
6	-5.83095500	-1.46462000	-0.82492500					1	-1.57751000	-4.06180800	-2.14551300
1	-3.72576200	-1.91106100	-1.11065800					1	-2.83200800	-3.60630900	-1.00124900
6	-6.77879100	-0.83790900	-0.01200900					1	-0.60820900	-4.23686200	2.05292600
1	-7.10640900	0.32375400	1.77913600					1	-2.26693000	-3.88532400	1.63530500
1	-6.15062100	-1.99168000	-1.72748900					1	-1.40967300	-5.45127600	-0.04033300
1	-7.83823800	-0.87252300	-0.27796900					1	0.03277300	-4.47667600	-0.29945300
1	-2.43520200	-0.31394700	2.01616900					7	-1.38679700	-1.47269000	0.12356400
1	-2.16479000	-1.71319100	0.93698400					46	-0.12554800	0.25275200	-0.02967100
1	-1.68393100	1.21815600	0.38491300					6	2.48881700	-1.20857700	-0.60734000
6	-1.05206000	3.12843400	-0.42945200					6	3.97311600	-0.98385700	-0.54162400
6	-2.38753000	3.74511000	-0.02497700					6	4.48838200	0.29060900	-0.81476400
1	-2.34746700	4.10575200	1.01209200					6	4.85502900	-2.00744200	-0.18466600
1	-2.65192700	4.59283100	-0.67348900					6	5.85654800	0.53317400	-0.73077300
1	-3.19574000	3.00215800	-0.09507500					1	3.80235700	1.09734100	-1.09390700
8	-0.79341100	2.07258200	0.50470900					6	6.22724900	-1.76835700	-0.10676700
6	-1.13533900	2.58016400	-1.85002400					1	4.46140200	-3.00436600	0.03507700
1	-1.36343600	3.37571200	-2.57468900					6	6.72993900	-0.49714300	-0.37749800
1	-0.18249100	2.11696600	-2.15183400					1	6.24574700	1.53096700	-0.94728400
1	-1.91432500	1.80907700	-1.93087000					1	6.90595700	-2.57819600	0.17123600
6	0.06041000	4.15901500	-0.30993000					1	7.80402100	-0.30768000	-0.31441600
1	-0.13030600	5.03356000	-0.94894100					1	2.10525000	-0.86977700	-1.59135700
1	0.15644000	4.50809200	0.72829200					1	2.26044000	-2.28580500	-0.52338500
1	1.02907500	3.73621300	-0.61528700					1	1.93781200	0.59138000	0.30571200

B-TS1<sup>iso</sup>

6	1.35826500	2.66498300	1.08924900	1	-0.42699100	2.91044400	2.74852700	1	1.50201300	0.58518600	-1.82428500
6	2.63292100	3.48070700	0.89287000	1	-1.94913300	2.64647100	1.90229400	6	3.30469300	-0.34609900	-0.42002300
1	2.61551000	3.98532800	-0.08238100	1	-0.88719800	4.61655800	-1.18527900	6	3.07896200	-1.12526300	0.72593200
1	2.73756000	4.24495100	1.67693400	1	-2.29667800	3.89621200	-0.44800600	6	4.23193700	0.70052200	-0.38705600
1	3.52240200	2.83463000	0.93035400	1	-1.01776900	4.92814100	1.34525200	6	3.77871200	-0.83937100	1.89439900
8	1.33286800	1.73541500	0.00236500	1	0.47977000	4.17775500	0.80257100	1	2.34286200	-1.93794200	0.67788600
6	1.40615000	1.92176500	2.42283700	7	-0.85066900	1.27877500	-0.26203500	6	4.92812200	0.98049300	0.78688100
1	1.42972500	2.62164000	3.27092400	7	-0.99467300	-1.38734800	0.06128300	1	4.40469700	1.29881400	-1.28768600
1	0.51603000	1.28188200	2.54220100	8	0.25990900	-3.23944100	0.53283400	6	4.69983100	0.21126600	1.92862800
1	2.29430000	1.27612000	2.49381900	6	-0.84189700	-2.70313300	0.47489000	1	3.60725700	-1.44369400	2.78820800
6	0.13719600	3.56636400	1.03228100	6	-2.08918500	-3.38742800	0.82897000	1	5.65404000	1.79660800	0.81156100
1	0.17392500	4.32250800	1.83054900	1	-1.99159600	-4.43892200	1.10606000	1	5.24712500	0.42821400	2.84919800
1	0.06561400	4.06958600	0.06094900	6	-3.29445200	-2.76145200	0.81545300	46	0.44141800	-0.30128200	-0.96231300
1	-0.78235900	2.97688800	1.16978600	1	-4.20875600	-3.30506200	1.07377600				
				6	-3.39408400	-1.37387400	0.47388100				
				6	-2.17504800	-0.72349900	0.13741800	B-TS3			
B-TS2				6	-2.17998000	0.66950100	-0.13509800	6	-2.00289800	-1.80763200	-1.24754900
6	-0.26841400	1.56436600	1.09542700	6	-3.38359800	1.35578600	-0.19423700	6	-1.08147700	-1.97902700	1.01956100
6	-0.76269500	2.49258500	-1.12734900	1	-3.40900300	2.41717200	-0.43337200	6	-3.08590800	-2.81957100	-0.91558000
6	-0.86624800	2.79367300	1.74691500	6	-4.59625500	0.69246300	0.06230900	1	-1.13776900	-2.33781300	-1.68201600
1	0.81721800	1.70666200	0.95392300	1	-5.53327900	1.24803700	-0.00157600	1	-2.33569000	-1.07349500	-1.99458000
1	-0.39466400	0.65553400	1.69882400	6	-4.59503600	-0.64577500	0.41969500	6	-2.13567600	-3.00362800	1.40414600
6	-1.20201600	3.81287200	-0.50202700	1	-5.53308800	-1.15860400	0.64905700	1	-0.18401900	-2.50991700	0.65696400
1	0.29953100	2.58373900	-1.39807200	6	2.53202000	-0.64641200	-1.66110000	1	-0.76651800	-1.36565200	1.87558700
1	-1.30806700	2.27310400	-2.05586900	1	2.96899000	-0.23634900	-2.60081800	6	-2.62558900	-3.76767400	0.18243500
6	-0.61032300	4.01708000	0.88298200	8	1.79941700	-1.69292200	-1.73056700	1	-3.32926300	-3.37672600	-1.83300300

1	-4.01846900	-2.30859700	-0.62857100	6	3.52710200	-1.37516600	0.87008000	1	-1.08913000	4.60682700	-1.62253100
1	-1.69229900	-3.69162700	2.14008200	6	4.27657800	0.66701900	-0.18999800	1	0.25095300	4.44973000	-0.49183100
1	-2.97514400	-2.52016900	1.92776400	6	4.42409400	-1.16026300	1.91260000	1	-1.97577900	3.58181500	2.47426100
1	-3.42634300	-4.47107900	0.45524800	1	2.87900500	-2.25491400	0.84945400	1	-0.32816600	4.01107200	2.07972500
1	-1.79789800	-4.38745700	-0.20624900	6	5.16806700	0.88285500	0.85670900	1	-1.78887700	5.37597400	0.67604200
7	-1.47979300	-1.04866200	-0.07583300	1	4.19734700	1.39066700	-1.00677000	1	-2.71529300	3.96880700	0.16332600
7	-0.52324400	1.51201100	-0.34377300	6	5.24513100	-0.03133900	1.90862700	7	-0.22403000	1.76031900	0.11412400
6	0.10353600	2.73220100	-0.53898500	1	4.48766000	-1.87822900	2.73383900	7	1.21898000	-0.12188600	-1.17625200
6	-0.67936300	3.90090500	-0.15372600	1	5.80424800	1.77071400	0.85500900	6	1.79294900	-1.08008000	-1.99696800
1	-0.20022400	4.86975100	-0.30359200	1	5.94734500	0.13716000	2.72843800	6	3.23700400	-0.95040600	-2.18273100
6	-1.93121600	3.79364600	0.36363700	46	0.43641000	-0.18951100	-0.77579500	1	3.69637300	-1.68607700	-2.84580400
1	-2.49467400	4.68873000	0.64442800	8	1.24198900	2.80616500	-1.00589200	6	3.97449300	-0.01001200	-1.53617200
6	-2.54185300	2.51436900	0.55519000					1	5.06081000	0.03043900	-1.66276800
6	-1.77252300	1.37598900	0.17582800					6	3.34745000	0.94528900	-0.67520400
6	-2.31920700	0.07425400	0.34189800	B-TS4				6	1.93292100	0.86166700	-0.56417200
6	-3.59711000	-0.06275800	0.87339300	8	1.12771900	-1.98778200	-2.49432500	6	1.23494300	1.81345100	0.21917900
1	-4.03333300	-1.05100900	1.00768600	8	-1.88737100	-3.04043800	0.58032500	6	1.94192500	2.75420000	0.95225400
6	-4.35262100	1.05973300	1.24808800	6	-0.68949700	2.58705100	-1.04200100	1	1.41730800	3.47835600	1.57381800
1	-5.35187500	0.92009900	1.66383100	6	-0.99000900	2.05885100	1.35691200	6	3.34617000	2.79373500	0.89657900
6	-3.82828800	2.33067600	1.08839600	6	-0.75812600	4.06673300	-0.72310000	1	3.88501400	3.53306000	1.49135000
1	-4.40849000	3.21135300	1.37671600	1	-1.69121200	2.22409700	-1.32185500	6	4.03344000	1.91812800	0.07375700
6	2.50514800	-0.71092200	-1.31814400	1	-0.02537900	2.36356000	-1.88778500	1	5.12379800	1.96084300	0.00684800
1	2.87642500	-0.34775500	-2.30324500	6	-1.22910800	3.53244600	1.66701500	6	-0.71365100	-2.95132000	0.01424500
8	1.72457700	-1.74205200	-1.30921800	1	-1.96236400	1.55947800	1.23454300	1	-0.50087700	-3.69155900	-0.79211300
1	1.68910800	0.64769800	-1.29974100	1	-0.48052300	1.53897700	2.18093700	6	0.49612100	-2.72533400	0.88844200
6	3.45153300	-0.46376700	-0.18870800	6	-1.70082600	4.30413700	0.44529000	6	1.77839300	-3.06077900	0.44292400

6	0.34216300	-2.13497700	2.14924200					6	-3.80155000	-3.03403600	-0.53021200
6	2.89358300	-2.77518700	1.22919500					1	-4.68975800	-3.60958800	-0.80453300
1	1.89797000	-3.52186400	-0.54137500	B-TS5				6	-3.86545000	-1.61221500	-0.54386300
6	1.45605100	-1.84718100	2.93284900	8	-0.42580800	-3.55425700	0.50030700	6	-2.68350600	-0.90800000	-0.17964000
1	-0.66764600	-1.90376800	2.50117600	1	0.40376500	-2.99251900	1.00616200	6	-2.72412300	0.51682300	-0.11840800
6	2.73729600	-2.15858400	2.47048800	8	1.44733300	-2.37448400	1.47447400	6	-3.86932300	1.18082600	-0.52991800
1	3.89264100	-3.03109700	0.86698300	6	-1.38809900	1.05788800	1.85733300	1	-3.89651800	2.26957300	-0.51817500
1	1.32800000	-1.38135300	3.91346200	6	-1.34258200	2.59005700	-0.05406600	6	-5.01187300	0.47759900	-0.95214800
1	3.61220600	-1.92971800	3.08371600	6	-2.24711100	2.03594600	2.63321200	1	-5.89496200	1.03422900	-1.27136000
46	-0.64414100	-0.31532200	-0.43383400	1	-0.32180000	1.24353200	2.07249300	6	-5.02069900	-0.89950200	-0.93134200
1	-0.70026600	-2.01292300	-0.84099000	1	-1.58968600	0.01351700	2.12856900	1	-5.91001600	-1.46100600	-1.22812800
6	-3.75019500	-0.63920000	-0.23197100	6	-2.05395900	3.66121300	0.76711000	6	2.14642400	-2.10305600	0.44642300
6	-4.78015400	-1.45199900	0.54163500	1	-0.25009600	2.73725600	-0.01009400	1	2.17617500	-2.85370300	-0.37843200
1	-4.87870200	-1.07694300	1.56961400	1	-1.61838100	2.65117100	-1.11623800	6	3.39122100	-1.31414600	0.57537200
1	-5.76621300	-1.39305700	0.05962700	6	-1.87210200	3.45936400	2.26176800	6	3.45858800	-0.21895500	1.44470300
1	-4.48575300	-2.50907800	0.58904900	1	-2.11409200	1.85037600	3.70962500	6	4.52016400	-1.68149500	-0.16412200
6	-3.56722600	-1.19628200	-1.63735700	1	-3.31464600	1.84928200	2.41787500	6	4.64429900	0.49419500	1.57273200
1	-4.50383700	-1.16079800	-2.21260000	1	-1.66050800	4.63945300	0.45030000	1	2.56128900	0.07229600	1.99550700
1	-2.80774900	-0.62016000	-2.19073400	1	-3.13273800	3.69325000	0.54352500	6	5.71291700	-0.97665100	-0.02364400
1	-3.23304600	-2.24251700	-1.59264300	1	-2.46514600	4.19346200	2.82749700	1	4.45985600	-2.53109100	-0.85144400
6	-4.15033800	0.82460900	-0.27325000	1	-0.81763800	3.63698400	2.53789100	6	5.77364100	0.11508400	0.84189700
1	-4.26968400	1.23221200	0.74150600	7	-1.55049400	1.18790000	0.37658700	1	4.69134300	1.35758800	2.24053900
1	-3.39096300	1.42256100	-0.79847100	7	-1.49867500	-1.55390200	0.08670000	1	6.59476300	-1.27386700	-0.59573800
1	-5.10100900	0.96173200	-0.80768100	6	-1.47845300	-2.89587200	0.15981100	1	6.70445200	0.67836800	0.94491100
8	-2.50615700	-0.73737600	0.49073000	6	-2.64939200	-3.65990800	-0.16577100	46	0.13582400	-0.18133700	-0.22538100
1	-2.30491400	-1.85179700	0.67815000	1	-2.56032800	-4.74553000	-0.11708600	1	1.35216400	-1.24033900	-0.49783100

6	1.92044500	1.65191400	-1.74261700	1	3.59545500	3.31410500	-1.55028300	1	-3.62923500	-0.84809300	2.58598200
6	3.04044100	0.69491400	-2.14232400	1	5.52367200	4.15178900	-0.23079300	1	-3.17620700	-2.47401000	2.12086400
1	2.66471500	-0.33972800	-2.18917300	6	0.02614400	2.18618500	-0.14461200	1	-3.91177000	-1.83617400	-1.60062400
1	3.46122700	0.94221000	-3.12959600	6	-1.09696300	2.29773000	-1.08482700	1	-3.22197800	-3.04657600	-0.52584300
1	3.85501100	0.73074300	-1.40565300	8	-0.94266500	2.24752700	-2.30188500	1	-5.02765500	-1.74453000	0.66204400
6	2.48761400	3.06742400	-1.61569400	6	-2.48984000	2.38991600	-0.52270000	1	-4.19040500	-0.24075800	0.27924100
1	2.94942500	3.40354500	-2.55640100	6	-3.55716600	2.27922400	-1.42738500	7	-1.07771800	-1.39806700	0.31706500
1	1.69573700	3.78222000	-1.34780500	6	-2.78180800	2.56855600	0.83803200	7	1.50060300	-1.63893100	-0.51276700
1	3.25198400	3.10006500	-0.82638300	6	-4.87508900	2.33837800	-0.98789600	8	3.25762900	-0.47004300	-1.33340600
6	0.82429000	1.62553300	-2.80969300	1	-3.31159700	2.14880700	-2.48397900	6	2.77760300	-1.57276400	-0.99113700
1	0.37765400	0.61907400	-2.87198600	6	-4.10278300	2.63169700	1.28035400	6	3.50202400	-2.82739000	-1.05271900
1	0.02072000	2.33797200	-2.57266400	1	-1.97641500	2.67259500	1.56807700	1	4.51763300	-2.79937900	-1.44978100
1	1.21393900	1.88278400	-3.80707000	6	-5.15224600	2.51491500	0.36965000	6	2.93799000	-3.98626700	-0.60569300
8	1.40690400	1.33902800	-0.47428300	1	-5.69448000	2.25034700	-1.70540800	1	3.50534000	-4.92119100	-0.63990600
				1	-4.31323700	2.77950800	2.34235200	6	1.60889600	-4.01256900	-0.07893300
				1	-6.18690100	2.56539000	0.71715200	6	0.91223500	-2.77227100	-0.06986600
				1	-0.11710000	2.52358100	0.88673700	6	-0.41873400	-2.69493700	0.42502400
B-TS6				6	-1.77223700	-0.91124500	1.53689700	6	-1.00770800	-3.84573100	0.93067000
6	4.71702300	3.49350200	1.66099300	6	-1.96380600	-1.32313200	-0.88277200	1	-2.02448600	-3.81639800	1.32069000
6	3.65447200	2.84937000	2.29775200	6	-3.18500000	-1.43201800	1.76430500	6	-0.31340800	-5.07046800	0.94601400
6	2.57450200	2.38252800	1.55605100	1	-1.83272300	0.18510800	1.43179100	1	-0.80397800	-5.95589400	1.35421500
6	2.52934000	2.55852500	0.16481000	1	-1.11461800	-1.11208900	2.39473300	6	0.97035100	-5.15551300	0.43801400
6	3.60929100	3.19062200	-0.46423500	6	-3.32506600	-1.95828600	-0.67736600	1	1.50645000	-6.10830900	0.43962100
6	4.69172900	3.65897600	0.27750700	1	-2.10235500	-0.25511500	-1.12349900	6	1.37496600	2.09329000	-0.64513300
1	5.56761600	3.85557600	2.24289100	1	-1.41362000	-1.76595800	-1.72484000	1	1.46717100	2.28423900	-1.72327600
1	3.67404500	2.70127900	3.38005100	6	-4.02868600	-1.31093300	0.50501800	1	1.96595000	0.59165600	-0.91669700
1	1.75777100	1.85215500	2.05628600								



46	0.53460000	0.14626400	-0.25631400	1	7.21059000	-0.11257600	1.97580200	1	-0.55822300	-5.67446600	-1.17307800
				1	5.73744400	-0.87720500	-2.00372300	6	-1.48767000	-3.88791700	-0.34713900
				1	7.58612000	-0.95367600	-0.33849300	6	-1.29221400	-2.48751000	-0.17386400
B-TS6 <sup>iso</sup>				1	2.19759800	1.71484500	-0.91412300	6	-2.30903700	-1.70808000	0.44690500
6	-2.01815200	4.58502200	-1.76373300	6	-2.42778900	0.43246000	1.74873200	6	-3.44831200	-2.34254800	0.92450200
6	-1.07533400	3.78697300	-2.41760700	6	-2.76011500	0.40618600	-0.68137900	1	-4.23426400	-1.76497600	1.40796600
6	-0.20055700	2.98918000	-1.68922500	6	-3.89397900	0.78172200	1.97692800	6	-3.62050700	-3.73117500	0.78994400
6	-0.24068100	2.96895900	-0.27986600	1	-1.86106500	1.37861100	1.72635800	1	-4.52425900	-4.19971300	1.18340700
6	-1.19140300	3.78550500	0.36173600	1	-2.01247000	-0.16513600	2.57246200	6	-2.65929600	-4.48901900	0.14590100
6	-2.06873700	4.58220200	-0.37020200	6	-4.25099800	0.61259100	-0.49459600	1	-2.79305900	-5.56676600	0.01923500
1	-2.70536300	5.20870900	-2.33947300	1	-2.27790700	1.39057100	-0.80791200	6	0.60012500	2.08171800	0.52107100
1	-1.02662500	3.78339600	-3.50904500	1	-2.52591200	-0.18344600	-1.57916300	1	0.53105700	2.20328900	1.60965800
1	0.51493600	2.35241400	-2.21758800	6	-4.50915200	1.44275300	0.75309400	1	1.57548600	-0.08261500	-0.55954000
1	-1.22972900	3.79299300	1.45542900	1	-3.94471900	1.45340000	2.84807800	46	0.11795500	0.07901300	0.01876400
1	-2.79615100	5.20845200	0.15243100	1	-4.47985800	-0.10373400	2.26616900				
6	1.78789800	1.43117000	0.06405800	1	-4.65141700	1.11229200	-1.38980500				
6	2.82242700	1.07605600	1.11113200	1	-4.76803600	-0.36033800	-0.43338500	B-TS7			
8	2.59571000	1.27190900	2.29211100	1	-5.58532300	1.61506400	0.90394000	1	-1.08184000	-0.36670400	0.31513000
6	4.12364800	0.51646300	0.65762600	1	-4.05534100	2.44071200	0.61201700	6	-2.24012200	0.84710100	-0.99570300
6	5.16499200	0.44679300	1.59716700	7	-2.09891000	-0.26395400	0.47702000	6	-1.22719200	-0.27840100	-1.05968400
6	4.34421500	0.04129700	-0.64388300	7	-0.15107300	-1.87608800	-0.57698900	6	-1.74724900	-1.63872600	-1.36927800
6	6.40372800	-0.06961600	1.24061200	8	1.93269100	-1.94383900	-1.50453900	6	-3.11758100	-1.93498200	-1.45796300
1	4.96926000	0.80997600	2.60825700	6	0.89012800	-2.53637700	-1.19132600	6	-0.83793300	-2.69293200	-1.57523400
6	5.58289800	-0.49019700	-0.99455200	6	0.68648500	-3.95920800	-1.42785100	6	-3.55677100	-3.22763300	-1.74015700
1	3.54078800	0.03167200	-1.38261200	1	1.49570200	-4.49050500	-1.93146900	1	-3.86057400	-1.14891900	-1.30230000
6	6.61431600	-0.53994600	-0.05821300	6	-0.43901200	-4.59880200	-1.01026400	6	-1.27573600	-3.98251800	-1.85542300

1	0.23532100	-2.47617200	-1.50932700	1	2.55519400	-1.56264900	2.41380900	1	-0.47264300	-0.00826100	-1.82759900
6	-2.64256000	-4.25993800	-1.93740100	6	3.11397300	1.56634900	3.84685800	6	-0.94960500	-1.71766700	1.95157500
1	-4.63002700	-3.42778700	-1.79807000	1	3.34058100	3.29890300	2.55042100	1	-0.36287400	-2.45209900	1.36355200
1	-0.54441400	-4.77900200	-2.01575800	1	4.46887400	1.99187600	2.20463000	8	-0.72105900	-0.39428700	1.51484900
1	-2.98939400	-5.27289600	-2.15488900	1	2.81149100	-0.42107700	4.66535600	6	-2.40455900	-2.09762800	1.90056700
6	-1.68556800	2.19639300	-0.60857300	1	4.24834500	-0.26114600	3.68407700	6	-3.40102400	-1.12534100	2.04497200
6	-2.63225900	3.35306400	-0.58111500	1	3.78732300	1.93785300	4.63354500	6	-2.78299100	-3.42826400	1.69702700
6	-2.12547100	4.61605700	-0.24105200	1	2.09468800	1.86148500	4.15303900	6	-4.74813200	-1.47831800	1.98190600
6	-3.99762000	3.22830400	-0.87797500	7	2.55487200	0.19768600	1.27501900	1	-3.10690400	-0.08384500	2.20071200
6	-2.96013900	5.72639700	-0.19739400	7	2.20515600	0.01719400	-1.41434700	6	-4.12858300	-3.78322600	1.64101900
1	-1.05983800	4.69549500	-0.01622300	8	0.80081900	0.35793800	-3.19689500	1	-2.01202000	-4.19096700	1.54989600
6	-4.83484400	4.34038500	-0.83270700	6	1.93654200	0.14750800	-2.76841300	6	-5.11644000	-2.80851600	1.77952800
1	-4.41714700	2.25661600	-1.14767900	6	3.07929100	-0.00179100	-3.66655300	1	-5.51697500	-0.70928900	2.09388700
6	-4.31813100	5.59036600	-0.49294000	1	2.85316100	0.08798900	-4.73036000	1	-4.40759800	-4.82516600	1.46514300
1	-2.55408200	6.70566900	0.06649500	6	4.33214100	-0.25774300	-3.21488200	1	-6.17227100	-3.08468700	1.72614000
1	-5.89648100	4.23181700	-1.06536200	1	5.16465900	-0.39009000	-3.91265300	1	-0.57560100	-1.80110600	2.99074100
1	-4.97579900	6.46221000	-0.45958700	6	4.58781500	-0.35441100	-1.81191400	1	-2.74589300	0.95974700	-1.97393500
8	-0.51333000	2.35738000	-0.31260900	6	3.47474500	-0.16739500	-0.94339200				
1	-3.06113600	0.62148600	-0.28791000	6	3.69483300	-0.18578900	0.45820500				
6	2.47182900	1.68402900	1.44724500	6	4.95253800	-0.48404700	0.96289000	B-TS8			
6	2.37938800	-0.48939500	2.57775400	1	5.11768100	-0.51446600	2.03867600	1	1.81908300	0.32278200	0.92375900
6	3.42696700	2.20331500	2.50275800	6	6.03164700	-0.73644500	0.10077600	6	2.03516500	-0.96814800	1.17219600
1	1.43076300	1.91190900	1.73225000	1	7.00995400	-0.98003800	0.51831900	6	0.93794300	-1.17822100	2.19272600
1	2.63236700	2.13837900	0.46023900	6	5.85121500	-0.64615900	-1.26774600	6	0.36685600	-2.57021000	2.33519800
6	3.19528000	0.05136900	3.74811100	1	6.68807400	-0.81360000	-1.95104900	6	0.82125700	-3.67186300	1.60326200
1	1.31037900	-0.36788200	2.81833900	46	0.78384500	-0.12904800	0.05579700	6	-0.70189300	-2.76960300	3.22403000

6	0.22358200	-4.92614700	1.74382400	1	-2.25018900	-0.06007400	-2.78518100	6	-5.51268400	2.35665400	-0.25069400
1	1.65810600	-3.55568300	0.90924600	6	-3.25842000	-2.76163100	-0.14091300	1	-6.30498600	3.09974700	-0.12687800
6	-1.29806400	-4.01831500	3.37173400	1	-1.32366400	-1.96758300	0.29538400	46	-0.56109100	0.58960200	-0.19951800
1	-1.07296600	-1.91916000	3.80546500	1	-2.61221900	-1.18527200	1.22920700	1	0.08852400	-0.49841100	1.97764000
6	-0.83896600	-5.10612000	2.62604400	6	-2.95650700	-3.23350400	-1.55416100	1	1.29868700	-0.83303000	3.17501100
1	0.59773000	-5.76977100	1.15845800	1	-2.74322600	-2.40268600	-3.54880800	6	2.02264900	1.97126700	-0.47298800
1	-2.12769900	-4.14468800	4.07207900	1	-4.09296500	-1.74116000	-2.65072700	1	2.30509600	1.22537800	-1.24683900
1	-1.30505700	-6.08795700	2.73694800	1	-3.07721800	-3.56662400	0.58759500	8	1.19504900	1.39365700	0.51510100
6	1.78541700	-1.29343100	-0.18938400	1	-4.32249500	-2.49910500	-0.03230700	6	3.26116600	2.53438900	0.16083900
6	2.88333700	-1.65551700	-1.11932000	1	-3.62571800	-4.05651300	-1.84585700	6	3.14232300	3.55412300	1.11482000
6	2.70657700	-1.45533300	-2.49821400	1	-1.93205400	-3.64678500	-1.57993500	6	4.53031700	2.04233700	-0.15905600
6	4.09788700	-2.19372300	-0.66600000	7	-2.34008900	-0.45359900	-0.72455000	6	4.27845800	4.07632700	1.72651000
6	3.72467100	-1.75838900	-3.39472600	7	-1.81680900	2.15229700	-0.01349900	1	2.14310300	3.92641600	1.35599300
1	1.75898700	-1.03745200	-2.84543700	8	-0.23815100	3.79507900	0.29517300	6	5.66932100	2.56895900	0.45198300
6	5.11517200	-2.50186000	-1.56510800	6	-1.41637800	3.46279000	0.24354600	1	4.62495300	1.23823000	-0.89772200
1	4.24354400	-2.38643300	0.39937900	6	-2.50247600	4.42285300	0.44234100	6	5.54446400	3.58612200	1.39654500
6	4.93399900	-2.27991900	-2.93024000	1	-2.18580600	5.43672800	0.69348200	1	4.17974000	4.87563400	2.46546800
1	3.57965900	-1.58414000	-4.46334500	6	-3.80842000	4.09277700	0.29717000	1	6.65709100	2.18011600	0.19186600
1	6.05455400	-2.92175100	-1.19871300	1	-4.59631200	4.83946100	0.43567300	1	6.43468500	3.99867300	1.87791100
1	5.73457800	-2.51805500	-3.63440500	6	-4.18222500	2.75777100	-0.05283600	1	1.44301900	2.76934300	-0.96530000
8	0.62398300	-1.13145500	-0.69192600	6	-3.12708100	1.80874300	-0.20247800				
1	3.05567100	-1.14076100	1.52840100	6	-3.45797900	0.47958100	-0.56358500				
6	-2.14434800	-0.93403600	-2.12755500	6	-4.78672600	0.11750200	-0.75646600	B-TS9			
6	-2.35988100	-1.59924500	0.24248500	1	-5.04255200	-0.90228000	-1.03640600	1	-2.03068100	0.68433900	0.26654700
6	-3.05071700	-2.08087000	-2.54214400	6	-5.81911200	1.05202000	-0.59707400	6	-2.65474500	0.16421200	-0.77945200
1	-1.09775700	-1.27099300	-2.18680600	1	-6.85459600	0.74425500	-0.75078500	6	-1.90142600	0.89391400	-1.88459900

6	-2.17606000	2.37279700	-1.90944600	6	1.68240900	-1.39960000	-2.06793500	1	4.45133900	-2.59038300	-0.93926400
6	-3.22685200	2.88727800	-2.67957400	6	2.22290600	-3.98549400	-0.83080900	6	5.71330400	-1.01303300	-0.21150200
6	-1.41304200	3.25787700	-1.13545500	1	0.58102600	-2.88483500	-0.01111600	1	6.63044100	-1.57070700	-0.40746500
6	-3.51423200	4.25196700	-2.67934800	1	2.03578500	-2.80605400	1.00047900	6	5.76101900	0.26975600	0.30479900
1	-3.82635600	2.20604300	-3.29300500	6	2.32135900	-2.52308100	-2.86135200	1	6.72032700	0.74754100	0.52078200
6	-1.70093700	4.62167000	-1.13506100	1	0.58666100	-1.46454300	-2.16765200	46	0.50904600	-0.13144900	0.24543700
1	-0.59669200	2.88087300	-0.51133400	1	1.98858300	-0.40571000	-2.42349600	1	-2.17259500	0.45135800	-2.86019800
6	-2.75084100	5.12443600	-1.90411600	6	1.88829600	-3.87208000	-2.30991200	1	-0.81756100	0.71991100	-1.76286700
1	-4.33595500	4.63547300	-3.28972000	1	1.77993900	-4.89809000	-0.40339900	6	-1.33581500	1.11956600	2.39936600
1	-1.09170500	5.29270700	-0.52345000	1	3.30772300	-4.10252500	-0.68834200	8	-1.01221700	1.01758000	1.00915200
1	-2.97281000	6.19462700	-1.90306500	1	2.01947800	-2.41298600	-3.91373500	6	-2.34023400	0.02662400	2.76182600
6	-2.27545300	-1.15183000	-0.39683100	1	3.41936400	-2.42695600	-2.85641400	1	-1.91638700	-0.97115400	2.56733800
6	-3.26751900	-2.12849700	0.11828200	1	2.34484700	-4.69753300	-2.87594600	1	-2.61184200	0.07255100	3.82669900
6	-2.82740600	-3.20287500	0.90887000	1	0.79684100	-3.97669900	-2.44309300	1	-3.27108600	0.11916600	2.18143900
6	-4.63654000	-2.02728200	-0.17431900	7	1.96639900	-1.44816400	-0.59846200	6	-1.93060700	2.50805700	2.59501000
6	-3.72916200	-4.13685700	1.40559700	7	2.13783100	1.02917700	0.58626100	1	-2.22632700	2.67433100	3.64177400
1	-1.76159900	-3.27989300	1.13434800	8	1.06207800	3.00737900	1.07070200	1	-1.19397300	3.26825700	2.30390400
6	-5.53933200	-2.96427100	0.32064600	6	2.10562600	2.37046600	0.96418100	1	-2.82211100	2.63881900	1.96373000
1	-4.99757300	-1.21767400	-0.81184800	6	3.40469800	2.97830200	1.25135000	6	-0.07937200	0.94963100	3.23962400
6	-5.08938900	-4.01953300	1.11404500	1	3.36431100	4.00812000	1.61046400	1	0.64212300	1.74650700	3.02855700
1	-3.37308900	-4.96141700	2.02754000	6	4.57688700	2.32482800	1.06815100	1	-0.33129500	0.98355500	4.30980800
1	-6.60112400	-2.87374500	0.08095200	1	5.53336000	2.80959700	1.28621600	1	0.39895100	-0.02275500	3.03980200
1	-5.79905500	-4.75347300	1.50300300	6	4.58280400	0.98876900	0.56106300	8	1.17196100	-2.05799100	-0.80453300
8	-1.04748100	-1.49715500	-0.33428800	6	3.31391000	0.38576200	0.30944500	1	-0.04226800	0.31704700	1.21983100
1	-3.72957500	0.37694100	-0.76165900	6	3.28535000	-0.91256100	-0.25582100	1	-1.35391500	-2.11516400	-0.20441700
6	1.67747400	-2.80465700	-0.03836400	6	4.47184700	-1.59367100	-0.50428700	1	0.33617300	-2.53853000	-0.77003000

				1	1.55508500	2.25763500	1.15600100	6	-1.05206000	3.12843400	-0.42945200
				1	2.23289200	1.00605800	2.19314700	6	-2.38753000	3.74511000	-0.02497700
B-TS10				6	4.05565500	2.90549700	-0.09107700	1	-2.34746700	4.10575200	1.01209200
7	0.76829100	-1.67339200	-0.29823000	1	4.17558800	2.25492700	-2.16137800	1	-2.65192700	4.59283100	-0.67348900
8	-1.22202200	-2.52964500	-1.04982700	1	4.76982800	1.06873500	-1.01171800	1	-3.19574000	3.00215800	-0.09507500
6	-0.05716100	-2.71463100	-0.71354700	1	3.59000600	3.14616700	2.01271100	8	-0.79341100	2.07258200	0.50470900
6	0.55909100	-4.04192100	-0.70353900	1	4.53329600	1.72185400	1.65635700	6	-1.13533900	2.58016400	-1.85002400
1	-0.09422300	-4.86163600	-1.00811400	1	5.04789600	3.37979600	-0.06800700	1	-1.36343600	3.37571200	-2.57468900
6	1.84700100	-4.25056500	-0.33316400	1	3.34378600	3.71015100	-0.34696700	1	-0.18249100	2.11696600	-2.15183400
1	2.27222700	-5.25884500	-0.32453600	7	2.23123700	0.57437100	0.13969800	1	-1.91432500	1.80907700	-1.93087000
6	2.67892500	-3.15085300	0.04677200	46	0.12491200	0.21253600	0.00760900	6	0.06041000	4.15901500	-0.30993000
6	2.08126300	-1.85781900	0.02036800	6	-2.59656300	-0.70218700	0.99229100	1	-0.13030600	5.03356000	-0.94894100
6	4.01884900	-3.28312700	0.44649400	6	-4.06209500	-0.75636000	0.67138500	1	0.15644000	4.50809200	0.72829200
1	4.45835400	-4.28357200	0.48054800	6	-5.01542600	-0.12566000	1.47562400	1	1.02907500	3.73621300	-0.61528700
6	4.76812200	-2.17382900	0.79945600	6	-4.48122900	-1.42404800	-0.48791300				
1	5.80511900	-2.28245000	1.12096200	6	-6.36953300	-0.16893400	1.13981500				
6	4.19718000	-0.89402400	0.72554300	1	-4.69283200	0.40256300	2.37855200	B-TS12			
1	4.81139800	-0.03139800	0.97580500	6	-5.83095500	-1.46462000	-0.82492500	6	-2.58723500	2.03824700	1.09295600
6	2.87463900	-0.72830300	0.33411000	1	-3.72576200	-1.91106100	-1.11065800	6	-2.28218000	1.71401900	-1.29700800
8	-1.94816500	0.11340100	0.03144400	6	-6.77879100	-0.83790900	-0.01200900	6	-3.86945700	2.83182700	0.87438300
6	2.61751600	1.18079200	-1.17205300	1	-7.10640900	0.32375400	1.77913600	1	-1.72949800	2.73660300	1.13636300
6	2.39692000	1.55516300	1.25587300	1	-6.15062100	-1.99168000	-1.72748900	1	-2.57367700	1.49496800	2.04744800
6	3.98729300	1.83022300	-1.16402500	1	-7.83823800	-0.87252300	-0.27796900	6	-3.57143300	2.47229200	-1.58760700
1	1.85482800	1.94275700	-1.40091100	1	-2.43520200	-0.31394700	2.01616900	1	-1.42143000	2.41090500	-1.33741100
1	2.52548300	0.39423500	-1.93366100	1	-2.16479000	-1.71319100	0.93698400	1	-2.08864700	0.94644900	-2.05692100
6	3.70423900	2.33688100	1.27541100	1	-1.68393100	1.21815600	0.38491300	6	-3.85678000	3.49381700	-0.49648100

1	-3.98874300	3.58077900	1.67296500	1	1.21745300	-0.47002300	-2.37188900	6	0.58008700	-0.76470100	2.37047700
1	-4.74275900	2.16017100	0.94830100	1	1.61691200	1.67173300	0.39962900	8	-0.19269000	0.10479500	1.59164400
1	-3.50365400	2.95647000	-2.57450100	6	3.62974400	0.97062200	-0.51918900				
1	-4.40480900	1.74995900	-1.65119900	6	3.85597700	-0.37522200	-0.83102300				
1	-4.80439300	4.02073100	-0.68778400	6	4.59516600	1.67653800	0.20611200	A-IM0			
1	-3.06941400	4.26964100	-0.51591500	6	5.02651300	-1.00084200	-0.41505600	6	4.12511600	0.72871500	0.09062100
7	-2.31459100	1.09523000	0.02401200	1	3.10294400	-0.93751300	-1.38939600	6	2.75090100	0.53335700	0.01607400
7	-0.75944800	-0.89416300	-1.14924700	6	5.76683900	1.04922900	0.62316900	6	1.88918800	1.65535900	-0.04634000
8	1.00184800	-1.42276500	-2.52988500	1	4.41940100	2.72880000	0.45134300	6	2.45150800	2.96478300	-0.02320500
6	-0.12180100	-1.76775600	-1.91201100	6	5.98323700	-0.29288000	0.31572500	6	3.84596000	3.12259800	0.05342800
6	-0.57759000	-3.10217500	-2.07511000	1	5.19336100	-2.05266300	-0.65849000	6	4.67567000	2.01926200	0.10798500
1	-0.01461500	-3.77252900	-2.72455400	1	6.51299500	1.60974200	1.19092200	1	4.79945000	-0.12213200	0.13718100
6	-1.66812200	-3.50769400	-1.35404400	1	6.89860400	-0.78988900	0.64507400	6	1.54183600	4.06337200	-0.07865700
1	-2.00630700	-4.54626700	-1.40429000	46	0.54679200	0.61882700	-0.19647800	1	4.25944600	4.13417900	0.06888000
6	-2.38256500	-2.59127300	-0.53584200	6	-0.30724600	-1.10835100	3.56838800	1	5.75859900	2.13943000	0.16607100
6	-1.93037200	-1.24107400	-0.53246500	1	-1.24067800	-1.57770800	3.22451600	6	0.20413700	3.84496400	-0.15304300
6	-2.67676900	-0.23542900	0.16398600	1	0.19529700	-1.80065200	4.26071600	6	-0.34863300	2.50416300	-0.18433000
6	-3.71491600	-0.66651700	0.98941800	1	-0.57195400	-0.19626300	4.12192400	1	1.94342000	5.08049600	-0.06105000
1	-4.27153300	0.07130000	1.57064300	6	0.92046400	-2.04473400	1.60119600	1	-0.51922900	4.66017200	-0.19895500
6	-4.09808600	-2.01645500	1.05631500	1	1.54262100	-1.80964300	0.71985500	8	-1.58263300	2.32349700	-0.26543000
1	-4.93200200	-2.29844200	1.70327500	1	1.48130300	-2.76594100	2.21630700	6	2.36688300	-1.56798600	1.27237700
6	-3.47926300	-2.96815900	0.27257900	1	0.00096100	-2.53882000	1.24937100	6	2.49517100	-1.60902800	-1.20893200
1	-3.81482500	-4.00756900	0.26908200	6	1.86947200	-0.09518700	2.84994600	6	3.71407800	-2.26281400	1.36354100
6	2.36676900	1.66741000	-0.91272700	1	1.64297600	0.85457300	3.35645000	1	1.57181100	-2.32677300	1.30711200
1	2.44359100	2.77126000	-0.80374400	1	2.43403800	-0.73225900	3.54840000	1	2.19822000	-0.87064000	2.10457200
8	1.62617400	1.24940800	-1.90402900	1	2.53695400	0.12379000	1.99975400	6	3.84448800	-2.30180900	-1.13860800

1	1.70871000	-2.37204100	-1.29965900	1	-2.62526500	-1.54737600	1.04098000	6	0.06812300	1.36406700	-1.52415100
1	2.41111600	-0.94111900	-2.07721800	8	-2.02134300	-0.16246900	-0.32600800	6	0.26834200	3.93793600	-0.18350700
6	3.96769100	-3.12283800	0.13539100	1	-1.99718100	0.85555800	-0.39639900	1	1.24506100	2.24831200	0.73882400
1	3.69900000	-2.88179000	2.27346700					1	-0.24742200	2.69393600	1.55413400
1	4.53353900	-1.54370000	1.51885000					6	0.05673000	2.65840400	-2.32541300
1	3.92429600	-2.94831100	-2.02564900	A-IM1				1	1.10949600	0.99852300	-1.42820300
1	4.67553300	-1.58488400	-1.22950500	7	-1.45254200	-1.06826000	-0.38566500	1	-0.48578400	0.56215800	-2.02928800
1	4.95167200	-3.61102700	0.19451900	8	-1.05732600	-3.22252100	-1.07512000	6	0.82406100	3.74548900	-1.58731900
1	3.22061700	-3.93536200	0.10899000	6	-1.90042700	-2.26687000	-0.75444400	1	0.87679800	4.65659600	0.38752500
7	2.12902100	-0.79678000	0.00315800	6	-3.29215400	-2.55476400	-0.77841400	1	-0.74278000	4.37626600	-0.24864400
46	0.02421400	-0.51462800	-0.12585600	1	-3.60661600	-3.55325100	-1.08193600	1	0.48518700	2.47968500	-3.32391000
17	-0.47896900	-2.82245000	-0.06772500	6	-4.17053500	-1.58950200	-0.37177200	1	-0.98835800	2.97794300	-2.48689700
7	0.53751000	1.45747500	-0.12498300	1	-5.24165500	-1.80283200	-0.32360200	1	0.80959100	4.69249900	-2.14849800
6	-6.25970200	1.11611600	0.41436700	6	-3.71586700	-0.28799500	-0.02607500	1	1.88731200	3.44838700	-1.51819200
6	-6.95705700	0.11898600	-0.26645900	6	-2.31689600	-0.03819500	-0.12632500	7	-0.47461400	1.56423700	-0.18091300
6	-6.31844000	-1.07881100	-0.59137400	6	-4.58608600	0.73556600	0.40940500	46	0.52531900	-1.03345400	0.41047500
6	-4.98828900	-1.27902000	-0.23197400	1	-5.65591600	0.52830600	0.48296200	17	-0.16792400	-0.26585300	2.51375300
6	-4.28250300	-0.28755800	0.46099200	6	-4.07137200	1.97312900	0.73457300	1	2.93038500	-2.27120400	-2.29219300
6	-4.92788500	0.91414300	0.77285100	1	-4.73120200	2.76603500	1.09292100	1	2.62465100	-3.21302500	-0.81838000
1	-6.75500500	2.05688400	0.66574200	6	-2.70820900	2.25030700	0.54731400	6	3.20060700	-1.17724300	-0.45131200
1	-8.00144600	0.27565500	-0.54676700	1	-2.34229800	3.25975600	0.74333600	6	2.74854300	-0.99506400	0.87727500
1	-6.86186200	-1.86055500	-1.12730300	6	-1.81580600	1.29123500	0.06853800	6	4.13674400	-0.27879000	-0.96113800
1	-4.47927500	-2.21256600	-0.48871600	8	1.14722700	-1.83738300	-1.37883300	6	3.20219700	0.07747400	1.65929400
1	-4.37404900	1.69984800	1.29524300	1	-0.13617700	-2.82997400	-1.21428500	1	2.17089500	-1.81466700	1.36843200
6	-2.84053200	-0.49681500	0.80594000	6	2.48881600	-2.20924700	-1.28012900	6	4.61816600	0.76593900	-0.16851500
1	-2.54491800	0.12269300	1.67071000	6	0.21185900	2.60835700	0.55984800	1	4.48116900	-0.38723500	-1.99304800

6	4.14527900	0.95462600	1.13300300	6	2.15174200	-1.48654400	2.38128600	1	3.12710600	-2.99910100	-0.88129200
1	2.79469300	0.21379500	2.66303700	1	3.04452700	-1.50648300	3.00679500	1	4.45056200	1.10041800	-0.59862800
1	5.35853700	1.45685500	-0.57968700	6	1.51793100	-2.62045300	1.96101800	1	4.79675700	-1.32023800	-0.12009400
1	4.51265400	1.78975800	1.73318500	1	1.89777000	-3.60617000	2.24270300	46	-0.21754300	1.64517400	0.07501800
				6	0.37924100	-2.53560600	1.11364100	17	1.47222000	3.22144700	0.52096700
				6	-0.11232200	-1.23202900	0.82514800				
A-IM2				6	-1.29615600	-1.08405600	0.04102100				
6	-2.54397100	0.57569400	1.29912000	6	-1.80036300	-2.19807400	-0.60792500	A-IM3			
6	-2.84709700	0.49276900	-1.13147100	1	-2.63311800	-2.09537900	-1.30026000	6	0.25491300	2.80400700	-0.00043900
6	-3.87235900	-0.12522200	1.50182600	6	-1.25482300	-3.47857300	-0.39164100	6	0.24750600	1.41474200	-0.00027900
1	-2.69088500	1.66747800	1.29823000	1	-1.68475200	-4.33282500	-0.91778500	6	1.49836600	0.73490300	-0.00016000
1	-1.82632100	0.35322500	2.09946100	6	-0.21892600	-3.65765000	0.49928600	6	2.71447500	1.48024000	-0.00007800
6	-4.25525400	-0.06655400	-0.95282700	1	0.17922600	-4.65376900	0.70752200	6	2.66695500	2.89050200	-0.00021900
1	-2.91418700	1.58794900	-1.20039400	6	0.41494500	0.28709800	-2.73519400	6	1.45321500	3.54089000	-0.00043100
1	-2.37361000	0.14795500	-2.06053400	1	0.36624500	1.39356300	-2.91528900	1	-0.68827200	3.34627200	-0.00058700
6	-4.84429900	0.27437300	0.40549000	8	-0.48618100	-0.44928700	-3.08875400	6	3.93566100	0.75383500	0.00016600
1	-4.25854200	0.13530700	2.49859900	1	2.05335500	1.64957300	1.76722100	1	3.60535800	3.44994900	-0.00016300
1	-3.72407100	-1.21978900	1.50680400	1	-0.85039900	2.74155600	-0.80069600	1	1.41045600	4.63152300	-0.00055900
1	-4.87436600	0.34336900	-1.76526500	6	1.64188500	-0.16624200	-2.05872600	6	3.92780700	-0.61281200	0.00031600
1	-4.28370200	-1.15784900	-1.09033200	6	1.83896300	-1.52862300	-1.79065400	6	2.68073700	-1.29007300	0.00018900
1	-5.82206700	-0.21182000	0.53876300	6	2.59508900	0.77403800	-1.64580400	1	4.87985300	1.30347600	0.00024200
1	-5.03174800	1.36100800	0.47035500	6	2.97421400	-1.93923400	-1.10251100	1	4.83948700	-1.20966300	0.00051300
7	-1.89094500	0.23472100	-0.01342300	1	1.07587200	-2.24089800	-2.11803100	8	2.68469200	-2.60519400	0.00029000
7	0.55843400	-0.10734100	1.22016800	6	3.72592600	0.36179700	-0.94805500	6	-1.79270600	0.75975100	-1.23007500
8	2.38429200	0.83775600	2.24049500	1	2.42142200	1.83584800	-1.83962400	6	-1.79223600	0.75949500	1.23022600
6	1.67167100	-0.22151900	1.93006600	6	3.91344100	-0.99454700	-0.67586400	6	-2.70908100	1.97151300	-1.25448300



1	-2.40579100	-0.15593700	-1.27552700	6	0.41347500	-2.47245900	0.69649200	6	-3.88239000	3.12488000	1.26238300
1	-1.11269600	0.73366100	-2.09384300	6	0.17326200	-1.14350100	3.13064200	1	-1.75151000	3.00179200	0.93460300
6	-2.70853100	1.97127500	1.25534400	1	1.13589500	0.52298300	2.15280000	1	-2.33579300	1.79684600	2.07181800
1	-2.40531000	-0.15621500	1.27568000	6	-0.19931400	-3.10383200	1.77404200	6	-4.35654000	2.62177400	-1.13327000
1	-1.11185300	0.73313200	2.09370200	1	0.53302400	-2.99997200	-0.25525000	1	-2.23286400	2.65435900	-1.52296500
6	-3.56788100	2.02330800	0.00062600	6	-0.33301900	-2.43886900	2.99428200	1	-3.00851700	1.14165100	-2.00562700
1	-3.34094900	1.90177800	-2.15315500	1	0.08243300	-0.61961300	4.08549300	6	-4.30158400	3.71273500	-0.07606400
1	-2.13667000	2.90623200	-1.37602100	1	-0.57227400	-4.12590900	1.66401400	1	-3.72283700	3.91932100	2.00737600
1	-3.34002800	1.90130300	2.15425800	1	-0.82065600	-2.93113600	3.83897300	1	-4.70812100	2.50960800	1.65643800
1	-2.13599700	2.90592600	1.37687500	6	3.90426100	-0.62239200	-0.26278900	1	-4.62843900	3.03206400	-2.11779100
1	-4.21238600	2.91517900	0.00082700	6	5.25394700	-0.00041400	-0.09724300	1	-5.13831000	1.88283200	-0.88044200
1	-4.24756400	1.15301300	0.00070000	6	6.37420200	-0.84412300	-0.08618300	1	-5.26770700	4.23204400	0.01176900
7	-0.96204100	0.62058500	-0.00011100	6	5.44018700	1.38300100	0.04353600	1	-3.56902400	4.47803700	-0.38819200
46	-0.30781500	-1.57606800	-0.00005400	6	7.65263200	-0.31993300	0.06290600	7	-2.57735100	1.32475500	0.04959400
7	1.52027800	-0.63952800	-0.00006100	1	6.20522200	-1.91756800	-0.19753300	7	-1.60627900	-0.87883000	-1.27930900
17	-2.44538500	-2.47849700	-0.00035700	6	6.72233000	1.90774000	0.19110100	8	-0.22685900	-1.61125800	-2.94030100
1	0.15870700	-3.06122900	0.00010400	1	4.58235500	2.05994600	0.03811300	6	-1.24882100	-1.83184300	-2.12006700
1	1.73428400	-2.90010600	0.00019100	6	7.82870400	1.05873200	0.20159000	6	-1.89358000	-3.09314800	-2.16162500
				1	8.51940000	-0.98506300	0.07175800	1	-1.55566500	-3.83536300	-2.88471200
				1	6.85875300	2.98604900	0.29948300	6	-2.88009000	-3.34455100	-1.24440900
A-IM4				1	8.83310400	1.47292300	0.31876000	1	-3.35709100	-4.32706000	-1.20400200
1	0.10781100	-0.71242700	-2.74361900	8	3.78477900	-1.82629200	-0.40306900	6	-3.30550200	-2.33429400	-0.33951800
6	2.70646800	0.30399800	-0.25777000	1	2.83069400	1.03783400	-1.07085200	6	-2.68043800	-1.06190300	-0.45214800
6	1.40570400	-0.44055600	-0.39006100	1	2.73107700	0.92437800	0.65096900	6	-3.13469600	0.04290200	0.33018300
6	0.89381900	-1.15345400	0.80327300	6	-2.59342500	2.31965600	1.13874300	6	-4.05826700	-0.21710700	1.33281100
6	0.78296800	-0.50853900	2.05381600	6	-3.01130100	1.92598400	-1.23657500	1	-4.38617300	0.58887300	1.98852300

6	-4.60780000	-1.50238500	1.51244100	6	6.58185600	-0.71974200	0.40476300	1	-3.85054400	4.90334400	1.13806800
1	-5.33404100	-1.65884000	2.31248500	6	5.51562600	1.33039800	-0.30873900	1	-2.24294200	4.68821400	0.44826100
6	-4.27760400	-2.53815700	0.66645200	6	7.77886900	-0.03712700	0.58499300	7	-2.36752300	1.38768500	0.00077000
1	-4.74042500	-3.52204000	0.77060200	1	6.49791700	-1.79031700	0.60458900	7	-1.88232600	-1.14402100	-0.88245500
46	-0.32263200	0.69872600	-0.53582600	6	6.71627400	2.01365400	-0.12908400	8	-0.47045400	-2.42901300	-2.12700700
17	0.71690900	2.71650200	0.09558500	1	4.63664800	1.87804800	-0.65737400	6	-1.52666300	-2.32845900	-1.50596400
1	1.45978300	-1.12920900	-1.24682500	6	7.84796000	1.33206800	0.31770400	6	-2.48501000	-3.41938100	-1.35137900
				1	8.66554200	-0.57071000	0.93523500	1	-2.19505900	-4.37067400	-1.80159800
				1	6.76891100	3.08439400	-0.33831300	6	-3.66827400	-3.26043600	-0.70445400
A-IM5				1	8.78852700	1.87003300	0.45869400	1	-4.36909800	-4.09527900	-0.60983900
1	0.97362400	-0.48503300	-1.47283800	8	4.14843300	-2.02611800	0.01276400	6	-4.03239200	-1.99422800	-0.14638100
6	2.95848200	-0.09529300	-0.71980300	1	3.18604600	0.32978300	-1.71174300	6	-3.08157700	-0.94187800	-0.27565900
6	1.73677600	-0.98326100	-0.79166800	1	2.77702600	0.79225900	-0.09445500	6	-3.38537600	0.34360400	0.22076400
6	1.16030100	-1.41416200	0.53380300	6	-1.89460600	2.03895500	1.27241100	6	-4.60413600	0.56762000	0.85072400
6	0.96429700	-0.49773600	1.57868100	6	-2.78231200	2.41226700	-1.01670000	1	-4.86182100	1.55114300	1.23519300
6	0.76436000	-2.74164600	0.72780900	6	-2.80441300	3.12855600	1.81784300	6	-5.53320600	-0.47399000	0.99859500
6	0.35202600	-0.89270300	2.76727400	1	-0.91995900	2.48535000	1.03067800	1	-6.48116500	-0.27584600	1.50114300
1	1.27080100	0.54616800	1.44921800	1	-1.72144200	1.23098800	1.99704300	6	-5.24991700	-1.73535300	0.50282500
6	0.14492600	-3.13565600	1.91234600	6	-3.73949200	3.46201700	-0.48351800	1	-5.97277900	-2.54851700	0.60813200
1	0.92429900	-3.46259300	-0.07705800	1	-1.85261100	2.90081100	-1.34472200	46	-0.64819100	0.43156500	-0.82164800
6	-0.07158200	-2.21175300	2.93390100	1	-3.19390700	1.86294700	-1.87427300	17	0.69267200	2.39247700	-0.86989400
1	0.20512200	-0.16417300	3.56933900	6	-3.15776700	4.14536900	0.74387300	1	1.93885000	-1.87536300	-1.40088300
1	-0.16835900	-4.17489100	2.03927100	1	-2.26195900	3.61181400	2.64459500				
1	-0.55702000	-2.52064800	3.86261900	1	-3.71181400	2.71006800	2.27833100				
6	4.18037400	-0.83255500	-0.22312600	1	-3.91290900	4.18931700	-1.29082700	A-IM6			
6	5.43689900	-0.04493200	-0.04356800	1	-4.72728200	3.02538300	-0.26635200	6	-2.99060700	-2.22726400	0.74002800

1	-3.97459900	-2.43497900	1.16566800	1	-2.25229100	-3.92906100	1.77349200	6	2.70234400	0.78540800	-0.23162100
6	-1.88907600	-3.19519500	1.03387600	6	1.29748200	2.63353100	-1.02400600	6	3.99589300	1.19175100	0.06087500
6	-0.59444900	-2.61110200	1.54903300	6	1.54570900	2.23439700	1.41441100	1	4.16423000	2.15484600	0.53670100
6	-0.57657400	-1.43810100	2.31399700	6	2.17745500	3.86172300	-0.91099300	6	5.10776800	0.38621300	-0.23956400
6	0.62575700	-3.25160000	1.29477200	1	0.24130100	2.92996700	-0.92791900	1	6.10888800	0.74015000	0.01226600
6	0.62264900	-0.92108700	2.80336500	1	1.40871500	2.12031700	-1.98957200	6	4.92875400	-0.83255300	-0.85608600
1	-1.51501100	-0.90969900	2.50757700	6	2.28156600	3.56169300	1.56004700	1	5.78196400	-1.46794400	-1.10529000
6	1.82873000	-2.72966500	1.76822500	1	0.48715100	2.39157000	1.66608100	1	-0.90169600	-1.96724100	-1.38011700
1	0.63109800	-4.16591700	0.69188500	1	1.93644900	1.47450400	2.10410600	1	-1.65861200	-3.80644000	0.14167600
6	1.83285400	-1.55681300	2.52478200	6	1.95616700	4.52985800	0.43549700	46	-0.21876200	0.33844300	-0.23330500
1	0.60235500	-0.00584400	3.40115000	1	1.92375400	4.54033400	-1.73912600	17	-1.68482000	1.89253300	0.74003100
1	2.76968000	-3.23987800	1.54243500	1	3.24081500	3.60081700	-1.05261700				
1	2.77611000	-1.14221700	2.89290100	1	1.98580500	3.98419300	2.53249700				
6	-2.87401700	-1.14644300	-0.08070800	1	3.37275200	3.42852800	1.63211900	A-IM7			
6	-3.99795600	-0.21896800	-0.33998900	1	2.55329100	5.44879100	0.53055700	6	-3.00065700	-2.24939000	0.65976700
6	-4.01293400	0.53656100	-1.52136100	1	0.89871300	4.83780800	0.51018000	1	-3.97788700	-2.46045700	1.09890400
6	-5.06116700	-0.06509400	0.56226100	7	1.53535800	1.60983000	0.05034800	6	-1.88396300	-3.20071700	0.95285900
6	-5.06539400	1.40267100	-1.80049100	7	1.22005300	-0.92483000	-1.05682100	6	-0.62576600	-2.59189100	1.52949600
1	-3.17443700	0.43808100	-2.21337100	8	-0.18607500	-2.59019700	-1.79111300	6	-0.65846700	-1.41306000	2.28390800
6	-6.11288300	0.80233000	0.28460400	6	1.01332500	-2.12706300	-1.60437100	6	0.61227900	-3.21844600	1.33353100
1	-5.04803500	-0.60777000	1.51064400	6	2.10500200	-2.95794200	-2.00076700	6	0.51189700	-0.87492000	2.82050500
6	-6.12203500	1.53916900	-0.90028100	1	1.86276600	-3.91760600	-2.45782500	1	-1.61030000	-0.89526700	2.43672000
1	-5.05936000	1.98216600	-2.72721100	6	3.38378700	-2.54654700	-1.77617700	6	1.78499900	-2.67609200	1.85385700
1	-6.92593900	0.91617400	1.00596700	1	4.23182200	-3.17788000	-2.05286400	1	0.65634500	-4.13166800	0.73161700
1	-6.94503000	2.22499800	-1.11551600	6	3.63039300	-1.28716900	-1.16402900	6	1.74005100	-1.49736700	2.60050700
8	-1.75623000	-0.93318700	-0.78049900	6	2.50027300	-0.48438500	-0.83312300	1	0.45353200	0.04606200	3.40685700

1	2.74218500	-3.17115200	1.66765900	1	3.32610100	3.56460100	-1.03390800				
1	2.66111400	-1.06726900	3.00475300	1	2.05102200	3.91068400	2.55404300				
6	-2.92878000	-1.15380900	-0.12875700	1	3.42872000	3.32839300	1.65611700	A-IM8			
6	-4.03573600	-0.21052900	-0.34873200	1	2.67133300	5.39248000	0.58132700	6	0.32401500	2.77966800	-0.00003500
6	-4.08246100	0.56246200	-1.51854000	1	1.00213500	4.82412600	0.53836300	6	0.29136600	1.39056000	-0.00004600
6	-5.06354400	-0.05953200	0.59473800	7	1.56957500	1.58658200	0.03137800	6	1.51461700	0.68882900	-0.00000700
6	-5.13470800	1.44372300	-1.74512500	7	1.21986300	-0.94103400	-1.03066200	6	2.76701400	1.35739100	0.00012500
1	-3.27507200	0.46828900	-2.24643500	8	-0.23910200	-2.57671000	-1.70471900	6	2.75801400	2.76289500	0.00016900
6	-6.11534000	0.82091800	0.36618700	6	0.94127500	-2.16915000	-1.55786800	6	1.55827500	3.45738100	0.00007800
1	-5.02013400	-0.61528600	1.53446500	6	2.05402200	-3.01334500	-1.93500600	1	-0.59016200	3.36910300	-0.00000400
6	-6.15730000	1.57608700	-0.80635700	1	1.79741800	-3.97918600	-2.37263400	6	3.93110600	0.51851300	0.00011000
1	-5.15443800	2.03737100	-2.66221800	6	3.33885200	-2.62418800	-1.72822600	1	3.70847200	3.30270600	0.00026700
1	-6.90084600	0.93193900	1.11744800	1	4.17335800	-3.27749400	-1.99825900	1	1.55806100	4.54853800	0.00013000
1	-6.97943700	2.27387600	-0.98175000	6	3.62044600	-1.35372400	-1.14488200	6	3.83697100	-0.84373700	-0.00002000
8	-1.80125900	-0.86786400	-0.85359300	6	2.50604800	-0.52686900	-0.82131500	6	2.53957100	-1.50172800	-0.00010300
1	-2.25327100	-3.96749700	1.65403000	6	2.73712900	0.74536100	-0.24393700	1	4.91427100	0.99831800	0.00020000
6	1.36585700	2.63217500	-1.03210100	6	4.03753900	1.14808600	0.02703100	1	4.72471600	-1.47879700	0.00001000
6	1.57144000	2.19349500	1.40616600	1	4.22511900	2.11786300	0.48139500	8	2.29868100	-2.71854700	-0.00006200
6	2.26778300	3.84129700	-0.89018500	6	5.13277200	0.32201500	-0.27201300	6	-1.76716700	0.70712100	-1.23711500
1	0.31530400	2.94930200	-0.94495700	1	6.14244100	0.66543600	-0.04117000	6	-1.76711400	0.70720300	1.23700700
1	1.48254700	2.12882500	-2.00185500	6	4.92441400	-0.91001000	-0.85938000	6	-2.61915000	1.96354500	-1.25457400
6	2.34346700	3.49644000	1.57705600	1	5.76615800	-1.56337000	-1.10259900	1	-2.41851700	-0.17938000	-1.26410200
1	0.51457800	2.37957600	1.64206300	1	-1.24485400	-1.69229800	-1.18933100	1	-1.08678400	0.64881400	-2.09740500
1	1.93082000	1.41382500	2.09018400	1	-1.60620400	-3.76650300	0.04627100	6	-2.61909200	1.96362400	1.25447200
6	2.05205800	4.49070500	0.46614600	46	-0.16552400	0.35864000	-0.26505000	1	-2.41844900	-0.17930300	1.26414200
1	2.02841000	4.53804300	-1.70743500	17	-1.65111200	1.93992600	0.65047900	1	-1.08664400	0.64898200	2.09723600

6	-3.47314600	2.06278900	-0.00003700	1	-5.14356800	2.19815100	0.98327700	1	2.66454200	-3.11832800	-0.58148800
1	-3.25159200	1.91569700	-2.15375200	6	-3.05390800	1.97033900	0.49757200	6	3.34539100	-1.07917700	-0.40289400
1	-1.99807800	2.86326200	-1.38550200	1	-2.84112700	3.02621400	0.67539800	6	2.88264500	-0.77156800	0.89511700
1	-3.25147700	1.91582400	2.15369000	6	-2.02014100	1.13987600	0.05858200	6	4.29648100	-0.24289100	-0.98316100
1	-1.99798400	2.86332600	1.38529300	8	1.31179500	-1.73888900	-1.37135800	6	3.33126300	0.36441300	1.57647200
1	-4.06174600	2.99190700	-0.00005500	1	0.52069200	-2.52929900	-1.30052500	1	2.27152700	-1.52323600	1.44775600
1	-4.20472200	1.23623000	0.00000500	6	2.64393600	-2.17251200	-1.15651400	6	4.77153100	0.87460000	-0.29033300
7	-0.92725200	0.55070000	-0.00008100	6	-0.22445500	2.75445800	0.57979600	1	4.65382700	-0.45238300	-1.99477700
46	-0.29279200	-1.49435700	-0.00004400	6	-0.09867500	1.44685700	-1.46322300	6	4.28204500	1.18876200	0.97831000
7	1.46878700	-0.65684000	-0.00027700	6	-0.32400100	4.05907800	-0.20250400	1	2.91950800	0.59237000	2.56178100
17	-2.40604800	-2.48928000	0.00027700	1	0.84046300	2.55072400	0.81055600	1	5.51740600	1.52105400	-0.75889000
				1	-0.73449500	2.80079300	1.55154200	1	4.64280700	2.07788900	1.49955000
				6	-0.24681500	2.70561000	-2.30836300				
A-TS1				1	0.97923600	1.23235300	-1.31070000				
7	-1.31159900	-1.14962200	-0.36657500	1	-0.51772000	0.56655000	-1.96733000	A-TS2			
8	-0.59228700	-3.21478600	-1.04859200	6	0.32078300	3.91081500	-1.57325600	6	-2.48485600	2.22683900	0.82212600
6	-1.54937900	-2.43456700	-0.74702200	1	0.14688800	4.87355500	0.36988300	6	-1.97111800	1.40287600	-1.40444200
6	-2.91400700	-2.88874300	-0.77354300	1	-1.38380800	4.34220100	-0.32573000	6	-3.68802700	3.01049000	0.31191900
1	-3.08554600	-3.92517400	-1.06630900	1	0.25288100	2.56171900	-3.27904200	1	-1.59391600	2.88360600	0.81058500
6	-3.92037600	-2.05890500	-0.38199600	1	-1.31682900	2.86778300	-2.52891800	1	-2.59266900	1.89950000	1.86492400
1	-4.95157700	-2.42154100	-0.34071000	1	0.19851300	4.83004100	-2.16659700	6	-3.18067100	2.13161900	-1.97705400
6	-3.66392700	-0.69783700	-0.04151500	1	1.41104900	3.77255800	-1.44738300	1	-1.07375600	2.04768800	-1.48983600
6	-2.31390600	-0.25265200	-0.12225900	7	-0.72720000	1.60895900	-0.15575200	1	-1.74544900	0.49001400	-1.97053400
6	-4.68125200	0.19511000	0.35043600	46	0.59503600	-0.90167600	0.44320800	6	-3.50391000	3.36989800	-1.15544100
1	-5.71200600	-0.16395100	0.39836400	17	-0.13570700	-0.14779300	2.50739600	1	-3.83166400	3.91370700	0.92520700
6	-4.36496800	1.50404100	0.66036100	1	3.12866300	-2.36704300	-2.12750400	1	-4.60699100	2.40995800	0.42863700

1	-2.99242700	2.39245600	-3.03031500	6	3.79753300	0.68479000	-0.26158300	1	1.95446500	-1.78742000	-2.01595400
1	-4.04563100	1.44450800	-1.97651700	6	4.07096700	-0.68515700	-0.35294500	6	1.89468800	-4.13771000	0.55044700
1	-4.39472600	3.88235100	-1.55011600	6	4.74517100	1.53899400	0.31415100	1	1.64111900	-3.47917300	2.60483600
1	-2.67223500	4.09223500	-1.25010200	6	5.27852400	-1.18658000	0.11990000	1	3.05205200	-2.79792000	1.81441200
7	-2.16514900	1.06896000	0.00485200	1	3.32895900	-1.36005900	-0.78547800	1	2.10271800	-4.28395200	-1.60141400
7	-0.67223000	-1.21152900	-0.57805600	6	5.95248000	1.03469300	0.79006200	1	3.40810200	-3.42323200	-0.82496600
8	1.13511900	-2.10995100	-1.68311200	1	4.53072900	2.60969000	0.38746800	1	2.48873600	-5.02992800	0.79882900
6	-0.05370200	-2.25575200	-1.10838400	6	6.22117400	-0.32965500	0.69266200	1	0.84494800	-4.47435000	0.48542400
6	-0.60464500	-3.56217100	-1.06835000	1	5.48550600	-2.25651900	0.04761900	7	1.50356600	-1.25809000	-0.03385000
1	-0.04699000	-4.37899600	-1.52652600	1	6.68622800	1.70894200	1.23705800	7	1.14487900	1.53117000	-0.06889700
6	-1.78712500	-3.74793700	-0.40520500	1	7.16657300	-0.72880400	1.06707300	6	0.93662700	2.86594800	-0.03813900
1	-2.20958400	-4.75094700	-0.30168100	46	0.67332300	0.39932500	0.12018200	6	2.05413800	3.76872400	-0.00493700
6	-2.49386100	-2.64464800	0.14437300	17	-0.01872300	0.29716300	2.34512500	1	1.81875100	4.83319200	-0.01298700
6	-1.92626300	-1.35207000	-0.04525800					6	3.32739200	3.29922900	0.05400500
6	-2.65597000	-0.18449200	0.35035700					1	4.17991900	3.98259500	0.08908900
6	-3.81136500	-0.37758300	1.10627600	A-TS3				6	3.56389800	1.89745100	0.08170200
1	-4.36189600	0.49323900	1.46687400	8	-0.22937300	3.39719400	-0.06063300	6	2.42867100	1.03341300	0.01738500
6	-4.31555200	-1.66029700	1.37717100	1	-1.16282900	2.93253100	0.45847200	6	2.65107100	-0.37301800	0.02701400
1	-5.23459000	-1.75542800	1.95960300	8	-2.19917300	2.43525900	0.89767600	6	3.95202100	-0.85652400	0.09706100
6	-3.70087900	-2.78361500	0.86576900	6	1.15928100	-1.87378500	1.28390700	1	4.12340200	-1.93018900	0.10605700
1	-4.12350600	-3.77988400	1.01322400	6	1.56027600	-2.28476200	-1.11880500	6	5.06123900	0.00046600	0.15596500
6	2.52470800	1.26338000	-0.77796500	6	2.00064300	-3.08450200	1.64240900	1	6.06686200	-0.42026500	0.20779100
1	2.56038100	2.37015600	-0.87806000	1	0.10171200	-2.17567400	1.20978700	6	4.86557900	1.36406900	0.15004300
8	1.78488100	0.63991300	-1.64807500	1	1.21964800	-1.08008800	2.04230500	1	5.71147500	2.05459500	0.19331700
1	1.38529800	-1.15748500	-1.73454800	6	2.31637900	-3.56622300	-0.79446900	6	-2.69976600	1.81579600	-0.09168700
1	1.75373200	1.50592000	0.52303300	1	0.51193400	-2.54469100	-1.32854000	1	-2.64343800	2.28791700	-1.09743900

6	-3.80097100	0.86472700	0.09080300	1	-2.02501300	2.42017100	2.81750000	1	3.42362000	-3.21711400	1.51225600
6	-4.18287200	0.46638700	1.37866300	1	-3.94416500	3.99026300	2.72367600	1	1.93927500	-4.16101000	1.53680600
6	-4.46741500	0.34530900	-1.02611500	6	1.07381200	2.11619300	0.21714700	1	0.24573600	-1.97380200	4.15941300
6	-5.22688500	-0.43515600	1.54277600	6	2.30530400	1.43581800	0.75980700	1	-0.05660900	-3.32381100	3.06043900
1	-3.64541400	0.87804500	2.23539300	8	2.31771300	1.01642300	1.90705700	1	2.35029700	-3.31899800	3.81168700
6	-5.51336000	-0.55460100	-0.85937300	6	3.49299700	1.27730500	-0.12240100	1	2.52632000	-1.66718000	3.21438400
1	-4.14307000	0.63777100	-2.02877100	6	4.60345600	0.59509300	0.40096300	7	0.35459800	-1.88074300	0.74019700
6	-5.89212200	-0.94603100	0.42501800	6	3.55406500	1.76256500	-1.43740100	7	-2.01462300	-0.73461200	-0.18902500
1	-5.52683800	-0.74739900	2.54557900	6	5.74211000	0.39979400	-0.37001200	8	-3.33756900	1.11428400	-0.55970000
1	-6.02773200	-0.96346200	-1.73134000	1	4.54123700	0.22272100	1.42620000	6	-3.18049800	-0.20639600	-0.52092800
1	-6.70938800	-1.65906400	0.55734200	6	4.69680400	1.57027900	-2.20845500	6	-4.31268500	-0.97768800	-0.88769400
46	-0.27730200	0.03212800	-0.40536900	1	2.70675200	2.29083400	-1.88013900	1	-5.24484200	-0.46085100	-1.11444800
1	-1.57088900	0.94333200	-0.66093200	6	5.79074200	0.88787900	-1.67758300	6	-4.15719900	-2.32832700	-1.01517300
17	-1.76954100	-1.73279300	-0.75049900	1	6.59838100	-0.13570100	0.04596700	1	-4.98602100	-2.95340300	-1.35738200
				1	4.72961500	1.94744600	-3.23237800	6	-2.90904700	-2.93779500	-0.72573400
				1	6.68403200	0.73237700	-2.28691100	6	-1.86336700	-2.09929000	-0.23893900
A-TS4				1	1.26536400	3.02409000	-0.37070300	6	-0.61504700	-2.69017300	0.13798700
6	-3.40131500	4.78706100	0.79089500	6	1.76348000	-2.22062100	0.56875800	6	-0.41359000	-4.03495100	-0.15827400
6	-2.48434100	4.73282900	-0.26078300	6	0.04787600	-1.39519400	2.09008000	1	0.55213100	-4.48769400	0.06886800
6	-1.40656800	3.85573400	-0.20868100	6	2.33323400	-3.13649100	1.64804100	6	-1.42572500	-4.83856200	-0.70826900
6	-1.21859500	3.00978300	0.90300300	1	2.32635300	-1.27034300	0.58811700	1	-1.22160500	-5.89253600	-0.90822700
6	-2.15342300	3.07702800	1.95265600	1	1.89682500	-2.62671900	-0.44381700	6	-2.67602700	-4.31367000	-0.94750400
6	-3.22984600	3.95616600	1.89810700	6	0.49797500	-2.37367600	3.16482300	1	-3.48967500	-4.93402500	-1.32987900
1	-4.25086100	5.47140800	0.74292900	1	0.58594300	-0.44439200	2.24072400	6	-0.12431300	2.04025400	0.98053200
1	-2.61689700	5.37373600	-1.13513900	1	-1.02770000	-1.17512700	2.15252700	1	-0.04849300	1.48670600	1.92252500
1	-0.71451500	3.80131000	-1.05426300	6	1.99452300	-2.62011100	3.03906700	1	-2.49299800	1.54821200	-0.34281100

1	0.86041700	1.48284800	-1.32713300	6	-6.49244500	-1.55406900	-1.55641100	8	-0.04569800	2.72675500	-1.25210000
46	-0.15238600	0.56517300	-0.61079000	1	-4.34541400	-1.48927100	-1.46944900	6	1.19990300	2.62446600	-1.07386000
17	0.10159700	-0.73356400	-2.59798300	6	-7.68917800	-0.93533100	-1.19609000	6	2.11586100	3.72387300	-1.23552800
				1	-8.60546600	0.73604700	-0.17724000	1	1.69495600	4.68781000	-1.52248900
				1	-6.50765800	-2.48307700	-2.13067200	6	3.45142600	3.54543300	-1.02235900
				1	-8.64322900	-1.38014200	-1.48929800	1	4.14373700	4.38477800	-1.13085300
A-TS5				8	-3.98550900	1.89105500	0.62557100	6	3.97461900	2.26459500	-0.67484600
1	-0.58240900	1.53093000	-0.73495900	1	-2.63219400	0.20048100	-1.54080400	6	3.03795700	1.20077900	-0.54805000
6	-2.67158100	0.20436300	-0.43833400	1	-2.69553800	-0.86298600	-0.18455000	6	3.47499200	-0.11998000	-0.29209800
6	-1.46178000	0.90158100	0.13957600	6	2.32765400	-1.89755500	1.00628100	6	4.83273700	-0.34463300	-0.10369500
6	-1.09763500	0.64663500	1.57092900	6	2.60304300	-2.11385000	-1.44685500	1	5.20383000	-1.34672200	0.09819800
6	-1.44932800	-0.52745700	2.25581600	6	3.36081700	-2.98756500	1.23544300	6	5.76050400	0.71047700	-0.18013800
6	-0.37382500	1.62871100	2.27358200	1	1.32701200	-2.35545900	0.99442200	1	6.81938800	0.49933300	-0.02164700
6	-1.07527600	-0.71595200	3.58441000	1	2.33024200	-1.13996300	1.80367600	6	5.34174100	1.99313300	-0.47478800
1	-1.99586200	-1.31629500	1.73527300	6	3.64912500	-3.19623400	-1.24655100	1	6.06252700	2.80985500	-0.56186100
6	0.00716100	1.43536200	3.59662200	1	1.61674700	-2.58449000	-1.57444200	46	0.46979700	-0.15731800	-0.46446900
1	-0.11203300	2.56020700	1.76126200	1	2.79578100	-1.50632400	-2.34231200	17	-0.67018700	-2.26774700	-0.61538300
6	-0.34112800	0.25787800	4.26124400	6	3.40888500	-3.94590200	0.05504800	1	-1.71056400	1.98001800	0.11265700
1	-1.36210700	-1.63789100	4.09634800	1	3.07988700	-3.52002100	2.15677500				
1	0.56843100	2.21457600	4.11810700	1	4.35755200	-2.56505900	1.43994700				
1	-0.05007900	0.10543500	5.30313300	1	3.58778700	-3.88114500	-2.10597900	A-TS6			
6	-3.97030400	0.85922100	-0.02171800	1	4.66989600	-2.78194900	-1.27908700	6	-2.39320800	0.91195100	0.39634500
6	-5.24321200	0.20252200	-0.44505800	1	4.17397700	-4.72123200	0.20974400	1	-3.21559700	1.44819800	0.87753400
6	-6.45351100	0.81543300	-0.08834200	1	2.44220700	-4.47518600	-0.01309800	6	-1.06725200	1.51187200	0.49884400
6	-5.27437400	-0.99034700	-1.18314700	7	2.45247800	-1.16779200	-0.29723700	6	-0.99924000	2.98467500	0.66365500
6	-7.66794800	0.25161300	-0.46009900	7	1.70427400	1.42742600	-0.69474200	6	-1.85516900	3.82254300	-0.06965500
1	-6.40590500	1.74298800	0.48645700								



6	-0.08776300	3.57271700	1.55534200	1	1.99571400	1.29688000	-2.45329800	1	5.35039000	-3.13146700	-0.31959800
6	-1.80265300	5.20396600	0.08643300	1	2.74518900	-0.28305000	-2.62173800	6	3.84681600	-3.22106000	1.20969300
1	-2.55954500	3.36911000	-0.77324100	6	3.62697200	2.04023800	0.35547900	1	4.26078200	-4.10386400	1.70278800
6	-0.03536100	4.95517400	1.71352000	1	1.56001300	2.19323100	-0.19076500	1	-1.33977700	-0.56505500	2.03467500
1	0.57144400	2.92966300	2.14640000	1	1.83082700	1.13509500	1.20516600	1	-0.40106700	1.31214000	-0.83235500
6	-0.89145400	5.77466100	0.97732800	6	4.10878900	2.50786400	-1.00695700	46	0.06033400	-0.20200000	-1.05283700
1	-2.47299300	5.84287100	-0.49307400	1	4.30015700	1.68832700	-3.01091200	17	0.77128900	-2.18089900	-2.16122800
1	0.67148900	5.39623200	2.42019200	1	4.91325000	0.65781000	-1.73328200				
1	-0.84981500	6.85949100	1.09864800	1	3.58387700	2.87312400	1.07425000				
6	-2.69614400	-0.17882800	-0.40799100	1	4.32554100	1.29915200	0.78191800	A-TS7			
6	-4.03254400	-0.82381700	-0.36008800	1	5.11411100	2.95048200	-0.94721300	6	-2.99748600	-2.24225000	0.66931900
6	-4.43974000	-1.63660300	-1.42910200	1	3.44150200	3.31137400	-1.36670000	1	-3.97969600	-2.45064100	1.09851700
6	-4.90039500	-0.65967300	0.73090200	7	2.18997100	0.25479200	-0.67227800	6	-1.88884900	-3.19908700	0.97484900
6	-5.68853900	-2.25056900	-1.41457000	7	0.87308100	-1.01789800	1.45390600	6	-0.62250200	-2.59457900	1.53700900
1	-3.75510000	-1.77511700	-2.26739700	8	-1.03873200	-1.21286300	2.69898100	6	-0.64490100	-1.41549700	2.29159400
6	-6.14911700	-1.27383300	0.74278100	6	0.19479700	-1.62701900	2.39810700	6	0.61217400	-3.22415100	1.33001900
1	-4.58547900	-0.06338700	1.59076600	6	0.70014300	-2.72997200	3.13793900	6	0.53146800	-0.88061500	2.81768400
6	-6.54919200	-2.06903800	-0.33171900	1	0.09584500	-3.16263300	3.93561500	1	-1.59416000	-0.89516800	2.45171700
1	-5.99344500	-2.87772000	-2.25567800	6	1.92156700	-3.22929500	2.77869800	6	1.79130600	-2.68505300	1.83990500
1	-6.81065800	-1.14036300	1.60197300	1	2.33999200	-4.09673800	3.29562800	1	0.64835700	-4.13845200	0.72896900
1	-7.52859100	-2.55322500	-0.32054800	6	2.64794900	-2.65799700	1.69881900	6	1.75618700	-1.50633900	2.58694400
8	-1.88536800	-0.66718700	-1.29352400	6	2.08170900	-1.50813700	1.06996800	1	0.48073700	0.04056600	3.40446300
1	-0.32402300	1.00581000	1.13326400	6	2.76433900	-0.92171000	-0.04463800	1	2.74538800	-3.18332000	1.64606400
6	2.74726000	0.62668200	-2.00596700	6	3.90135900	-1.54438500	-0.52712000	1	2.68188800	-1.07879100	2.98330700
6	2.24141600	1.43931200	0.23468600	1	4.38711000	-1.17356900	-1.42640500	6	-2.91128500	-1.14811400	-0.12297100
6	4.09247800	1.34568600	-1.98585700	6	4.44768100	-2.68096600	0.09674300	6	-4.01938800	-0.20489000	-0.34988400

6	-4.05628700	0.56873700	-1.51952600	1	1.02992400	4.82903200	0.53935500	6	-0.62955200	-3.70135800	2.35444800
6	-5.05469000	-0.05265000	0.58507900	7	1.57329600	1.58723900	0.03383900	6	-1.34772200	-2.79761000	1.57748100
6	-5.10569600	1.45124400	-1.75464200	7	1.19867900	-0.93702300	-1.03337600	6	-1.02008300	-1.43759700	1.58637700
1	-3.24227200	0.47338500	-2.23998200	8	-0.27886600	-2.55732600	-1.69968800	6	0.04200700	-1.00452400	2.39666900
6	-6.10360300	0.82934800	0.34866400	6	0.91282600	-2.15738900	-1.55927300	6	0.75884100	-1.90563600	3.17564000
1	-5.01973900	-0.60856400	1.52508200	6	2.00830900	-3.01261200	-1.94767700	1	0.99216000	-3.97586600	3.75461200
6	-6.13561000	1.58478700	-0.82400200	1	1.74025700	-3.97504400	-2.38559100	1	-0.88572200	-4.76254500	2.32424000
1	-5.11752100	2.04515300	-2.67178600	6	3.29828900	-2.63349700	-1.74807000	1	-2.14530700	-3.16013600	0.92584800
1	-6.89484200	0.94127100	1.09383700	1	4.12532700	-3.29302500	-2.02523900	1	0.31186200	0.05777600	2.39783500
1	-6.95552500	2.28362600	-1.00575300	6	3.59380000	-1.36779200	-1.16273200	1	1.58307300	-1.55091300	3.79938600
8	-1.78372200	-0.87187000	-0.83802800	6	2.48915300	-0.53204700	-0.83043000	6	-1.71854900	-0.43693800	0.74874100
1	-2.26310900	-3.94912400	1.69162500	6	2.73132000	0.73741200	-0.24988600	6	-3.04121600	-0.56600400	0.31795900
6	1.36794400	2.63226500	-1.02921000	6	4.03660800	1.12609800	0.01665600	6	-3.84789500	0.57271600	-0.00818800
6	1.58858700	2.19615200	1.40691200	1	4.23500300	2.09224200	0.47431000	8	-3.41334000	1.75169500	0.00079200
6	2.27902800	3.83555200	-0.89625800	6	5.12353600	0.29107200	-0.29031400	6	-5.29479600	0.37233500	-0.30967000
1	0.31994200	2.95586700	-0.93391800	1	6.13697100	0.62514400	-0.06213800	6	-6.12287100	1.50608200	-0.34486400
1	1.47281300	2.12735900	-1.99957000	6	4.90356200	-0.93635100	-0.88177300	6	-5.86606700	-0.88222400	-0.57757700
6	2.36993500	3.49440400	1.57088400	1	5.73890800	-1.59542500	-1.13126800	6	-7.47925500	1.39014500	-0.62459100
1	0.53405400	2.38881600	1.64903500	1	-1.18426900	-1.72028200	-1.20728400	1	-5.66680500	2.47736900	-0.14574900
1	1.94684700	1.41544700	2.09046400	1	-1.62119400	-3.78578600	0.07844200	6	-7.22254600	-0.99712200	-0.86866200
6	2.07716700	4.48881600	0.46040100	46	-0.17585200	0.36626700	-0.25334900	1	-5.24917700	-1.78231600	-0.58293300
1	2.03952600	4.53261500	-1.71319800	17	-1.64604100	1.94878500	0.67896900	6	-8.03450200	0.13663300	-0.88790700
1	3.33452600	3.55093100	-1.04615600					1	-8.11042600	2.28179700	-0.64120200
1	2.08743900	3.91211600	2.54931800					1	-7.64836300	-1.97943400	-1.08497400
1	3.45480700	3.31980800	1.64213300	A-TS8				1	-9.09972300	0.04354600	-1.11229600
1	2.70294000	5.38683600	0.56965100	6	0.42593300	-3.26148000	3.15254000	8	-1.12970200	2.06695000	-1.05885600

6	3.72708200	-1.42504800	-0.43070300	1	5.08033000	0.37148700	1.03976400	6	-2.74237700	-0.75033000	0.36672800
6	3.25528100	0.29467000	-2.11826100	6	4.31523400	2.15342600	1.98747700	6	-3.79309700	-0.86356400	-0.63059400
6	5.18704200	-1.48619500	-0.86606000	1	5.19805100	2.25829800	2.62116300	8	-3.61720500	-1.48815400	-1.67738400
1	3.15355400	-2.20579600	-0.95746900	6	3.30001400	3.08213000	2.05721200	6	-5.09714500	-0.16622000	-0.38494000
1	3.60306700	-1.63608600	0.64147700	1	3.36082700	3.93108800	2.74203200	6	-6.17871100	-0.48880100	-1.21628000
6	4.72842100	0.36460800	-2.47365400	46	0.70579100	-0.47768500	-0.79038900	6	-5.27811200	0.80342600	0.61149700
1	2.74559700	-0.43331000	-2.77209500	1	-3.48393200	-1.56081200	0.26660300	6	-7.41422000	0.12603400	-1.04537000
1	2.74224600	1.25653600	-2.25635800	1	-0.90775300	-0.50837900	-0.51627100	1	-6.01237200	-1.23285100	-1.99848100
6	5.37101100	-1.00163400	-2.29538100	1	-1.42968100	0.59571200	0.98089200	6	-6.51235800	1.42837200	0.77673700
1	5.52891700	-2.52683300	-0.75825000	1	-2.03700600	2.11557400	-0.60871600	1	-4.44130200	1.09579100	1.25010700
1	5.83654100	-0.89484700	-0.20010800	17	0.59175600	-2.74744300	-1.30850900	6	-7.58495400	1.08671600	-0.04649900
1	4.83210600	0.72452100	-3.50840200					1	-8.25116900	-0.13975200	-1.69581700
1	5.23262600	1.11316600	-1.83584900					1	-6.63814700	2.18874700	1.55136800
1	6.43786600	-0.97927000	-2.56349600	A-TS9				1	-8.55411900	1.57359500	0.08701700
1	4.89487100	-1.71451600	-2.99142700	6	0.93859200	-2.27331100	3.63068500	8	-1.87334000	1.59597300	-0.47271000
7	3.02486600	-0.15416500	-0.71740700	6	0.36198200	-1.01834100	3.42485600	6	3.27444400	-0.92109600	0.46175300
7	0.91022500	1.53200400	-0.30031300	6	-0.45071700	-0.79783600	2.31620700	6	3.48270900	-0.20122000	-1.90351000
6	-0.12028300	2.37500400	-0.27984500	6	-0.69794000	-1.82101500	1.38656500	6	4.78233300	-1.06373200	0.56327100
6	-0.09652800	3.52823800	0.55230200	6	-0.11771600	-3.07666500	1.60860100	1	2.84203200	-1.89549100	0.18669600
1	-0.97013000	4.18198000	0.56648500	6	0.69203700	-3.30047000	2.72038100	1	2.81102900	-0.61642100	1.41151000
6	1.01240000	3.77946200	1.31987000	1	1.57365400	-2.44998200	4.50206300	6	4.99105300	-0.38422000	-1.84173000
1	1.03838300	4.64473400	1.98720800	1	0.54342300	-0.20771700	4.13497000	1	3.03069400	-1.12539800	-2.29356400
6	2.14495600	2.92317000	1.25707500	1	-0.89373100	0.19121900	2.16105400	1	3.18720500	0.61493500	-2.57722900
6	2.06173600	1.80729700	0.37803900	1	-0.29043200	-3.87659000	0.88540300	6	5.37738400	-1.41487000	-0.79186100
6	3.15394500	0.89642000	0.25144500	1	1.13407000	-4.28748800	2.87566900	1	4.99018400	-1.85651600	1.29784100
6	4.24703100	1.07161500	1.08527800	6	-1.56957800	-1.58807300	0.18931100	1	5.24823300	-0.15471600	0.97779600

1	5.32254800	-0.70705200	-2.84035400
1	5.51192500	0.57002700	-1.66336000
1	6.47087100	-1.51728200	-0.72854000
1	4.99241600	-2.40199000	-1.10234700
7	2.81021700	0.04469800	-0.58946300
7	0.42323300	1.46915700	-0.24003300
6	-0.74306100	2.12816500	-0.12507300
6	-0.77522700	3.48183100	0.33523800
1	-1.75554600	3.95016900	0.42516200
6	0.38307400	4.13551200	0.62719100
1	0.37255600	5.17323200	0.96989000
6	1.63016300	3.47046900	0.47601800
6	1.60693200	2.10991000	0.04397600
6	2.84113500	1.42937900	-0.14795700
6	4.03027900	2.11030000	0.07974900
1	4.97973700	1.60425700	-0.07488600
6	4.04627000	3.44521500	0.51540000
1	5.00242600	3.94008400	0.69350900
6	2.85970900	4.11589600	0.71437500
1	2.85015700	5.15598400	1.04887700
46	0.68988500	-0.52923500	-0.77734900
1	-0.96635600	-1.08231100	-0.74461900
1	-2.98693400	-0.43228400	1.38541300
1	-1.76343600	-2.50922800	-0.38608700
1	-2.16384000	0.60001500	-0.13331900
17	1.13837700	-2.68991100	-1.59581300