

Supporting Information

Identifying the preferential pathways of CO₂ capture and hydrogenation to methanol over Mn(I)-PNP catalyst: A computational study

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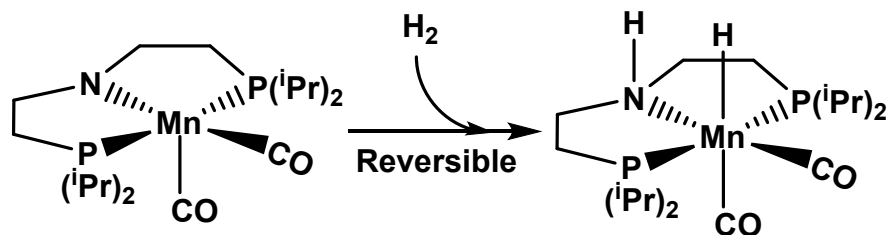
1. Gaussian full references

Gaussian 09, Revision D.01, M. J. Frisch, G. W. Trucks, H. B. Schlegel, G. E. Scuseria, M. A. Robb, J. R. Cheeseman, G. Scalmani, V. Barone, B. Mennucci, G. A. Petersson, H. Nakatsuji, M. Caricato, X. Li, H. P. Hratchian, A. F. Izmaylov, J. Bloino, G. Zheng, J. L. Sonnenberg, M. Hada, M. Ehara, K. Toyota, R. Fukuda, J. Hasegawa, M. Ishida, T. Nakajima, Y. Honda, O. Kitao, H. Nakai, T. Vreven, J. A. Montgomery, Jr., J. E. Peralta, F. Ogliaro, M. Bearpark, J. J. Heyd, E. Brothers, K. N. Kudin, V. N. Staroverov, T. Keith, R. Kobayashi, J. Normand, K. Raghavachari, A. Rendell, J. C. Burant, S. S. Iyengar, J. Tomasi, M. Cossi, N. Rega, J. M. Millam, M. Klene, J. E. Knox, J. B. Cross, V. Bakken, C. Adamo, J. Jaramillo, R. Gomperts, R. E. Stratmann, O. Yazyev, A. J. Austin, R. Cammi, C. Pomelli, J. W. Ochterski, R. L. Martin, K. Morokuma, V. G.

Zakrzewski, G. A. Voth, P. Salvador, J. J. Dannenberg, S. Dapprich, A. D. Daniels, O. Farkas, J. B. Foresman, J. V. Ortiz, J. Cioslowski, and D. J. Fox, Gaussian, Inc., Wallingford CT, 2013.

2. Optimization of basis sets and solvent model

Text S1: In this study, our considered catalyst is Mn(I)-PNP for the oxazolidinone hydrogenation to methanol. In this context, Beller and coworkers have made a significant contribution and reported the reversibility of the catalyst when H₂ is attached with the Mn(I)-PNP based catalyst.¹ Therefore, for the selection of our basis sets and solvent model we have considered the reversible step and calculated the reaction free energies using two different set of basis sets and solvent models. The 6-31++G(d,p), 6-311++G(d,p) basis sets for non-metals and LANL2DZ-ECP and SDD for Mn atom have been considered.²⁻⁶ In case of solvent models, we have considered conductor-like polarizable continuum (CPCM) and solvation model based on density (SMD).⁷⁻⁹ In our calculations we have also used Grimme's DFT-D3 corrections.¹⁰⁻¹⁵ Further to this, we have calculated all the possible combinations and calculated the reaction free energies of the active catalyst formation for Mn(I)-PNP based catalyst in the presence of H₂. using different functionals, basis sets and solvent models (Table S1). Our calculated reaction free energies suggest that the step is quite agreement with the reversibility nature of the reaction whether we consider B3LYP or B3LYP + D3 functional along with other combinations as show in the Table S1. So, we would expect B3LYP-D3 functional 6-31++G(d,p) basis set for nonmetals and LANL2DZ-ECP for Mn atom with CPCM solvent model for THF solvent is acceptable for the mechanistic investigation of CO₂ hydrogenation to methanol.



3. Table of reaction free energies using different basis sets and solvation model for Mn(I)-PNP based catalyst

Table S1: Evaluation of functional, basis sets and solvation model for Mn(I)-PNP based catalyst.

Functional	Basis set for nonmetals	Basis set for Mn atom	Solvent model for THF	Reaction free energy (kcal/mol)
B3LYP+D3	6-31++G(d,p)	LANL2DZ	CPCM	-1.1
B3LYP+D3	6-31++G(d,p)	LANL2DZ	SMD	-9.7
B3LYP+D3	6-311++G(d,p)	LANL2DZ	CPCM	-1.4
B3LYP+D3	6-311++G(d,p)	LANL2DZ	SMD	-9.4
B3LYP+D3	6-31++G(d,p)	SDD	CPCM	-0.8
B3LYP+D3	6-31++G(d,p)	SDD	SMD	-9.2
B3LYP+D3	6-311++G(d,p)	SDD	CPCM	-0.7
B3LYP+D3	6-311++G(d,p)	SDD	SMD	-8.8
B3LYP	6-31++G(d,p)	LANL2DZ	CPCM	1.2

4. Possible reaction mechanism and corresponding reaction free energy profile diagram of CO₂ capturing to oxazolidinone with frontier molecular orbitals of intermediates 4 and 5

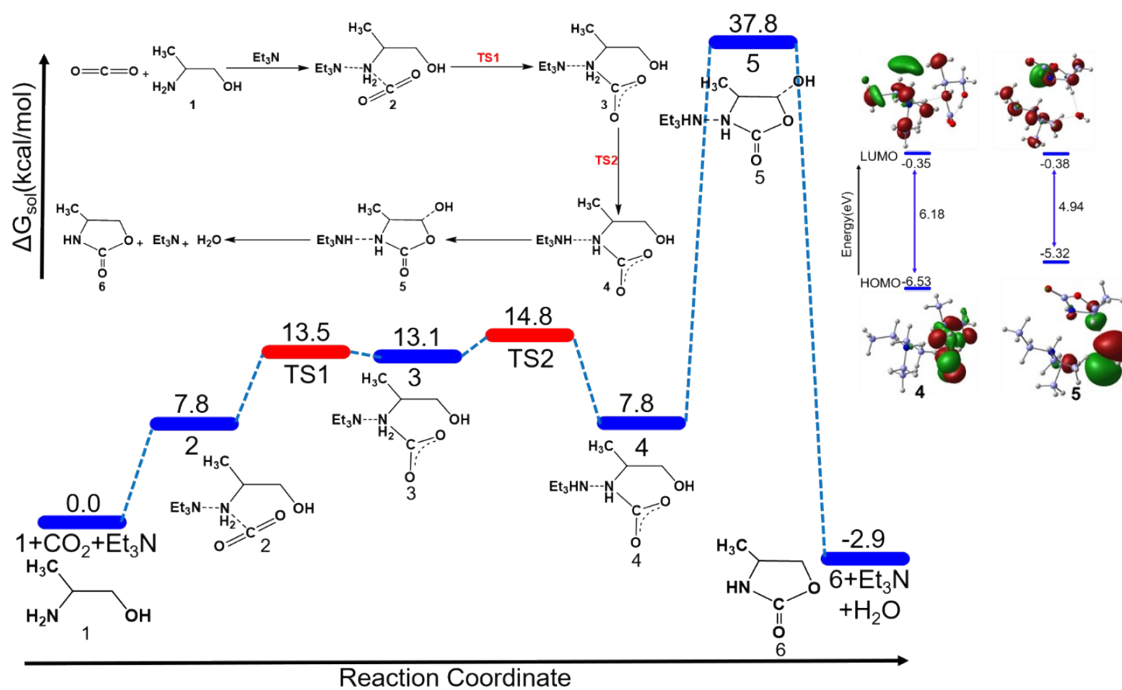
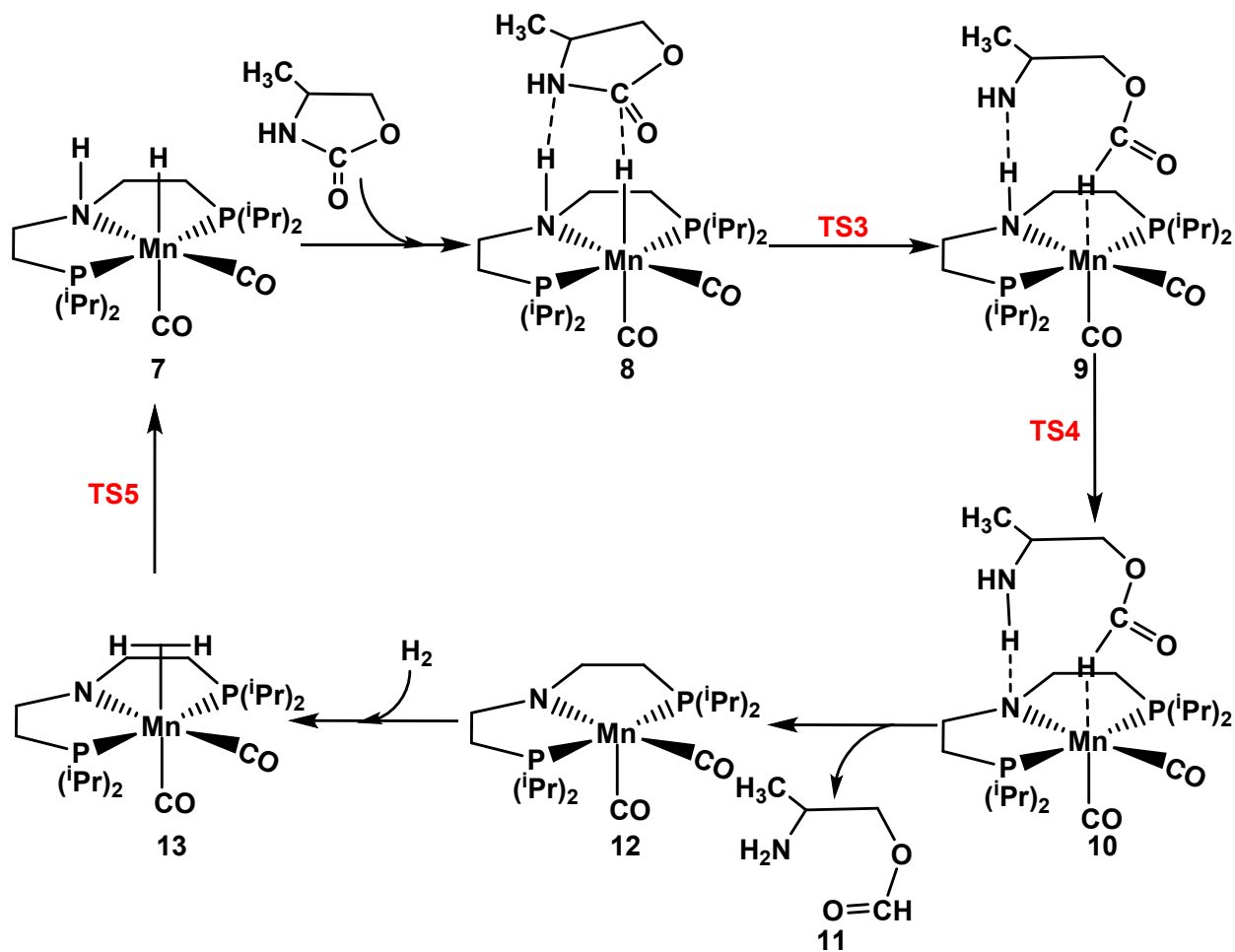


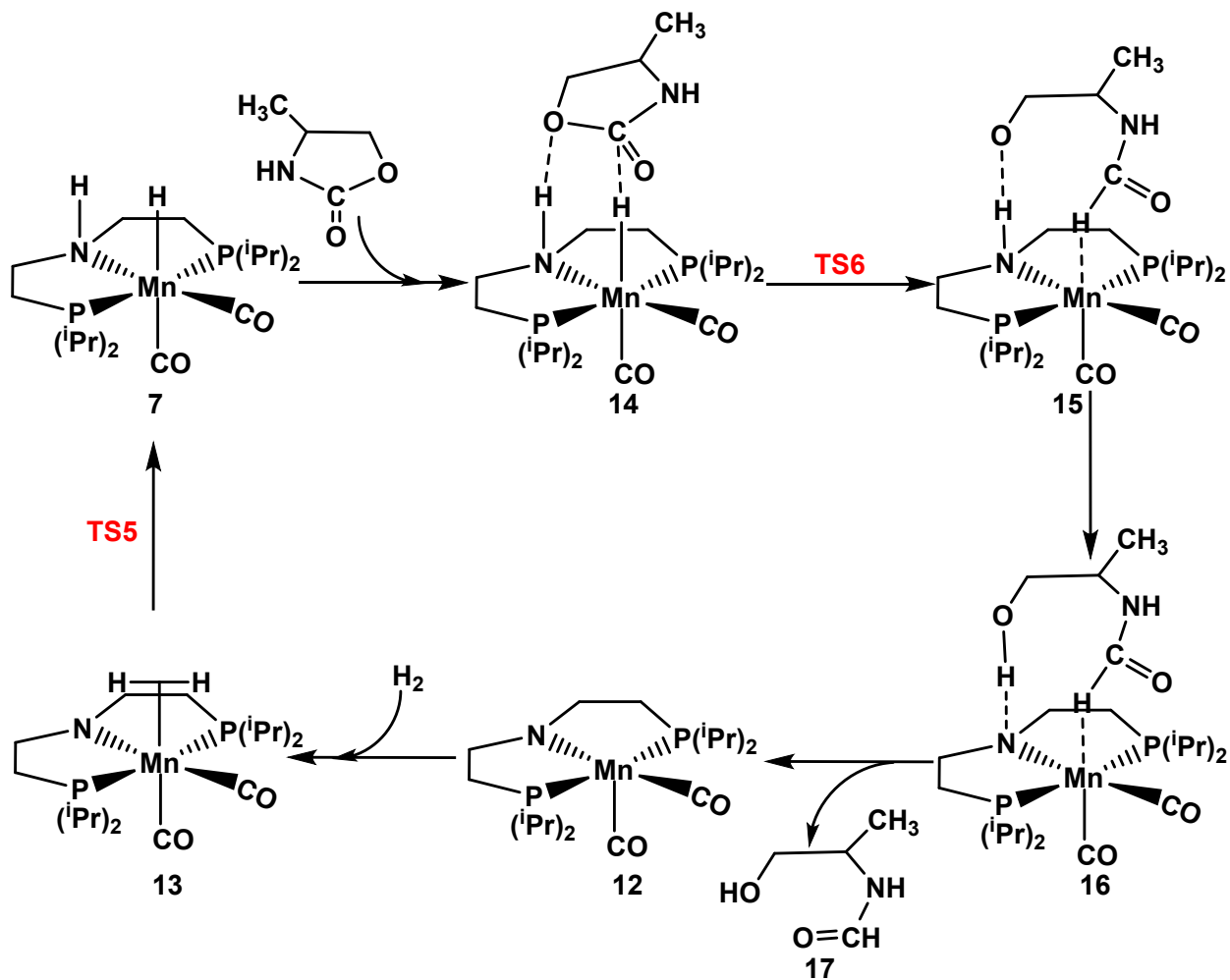
Figure S1: Possible reaction mechanism and corresponding reaction free energy profile diagram of CO₂ capturing to oxazolidinone using 2-amino-1-propanol amino alcohol in the presence of Et₃N base and frontier molecular orbitals of intermediates 4 and 5.

5. Proposed mechanistic pathway of Pathway I for C–N bond cleavage of oxazolidinone by Mn(I)-PNP catalyst



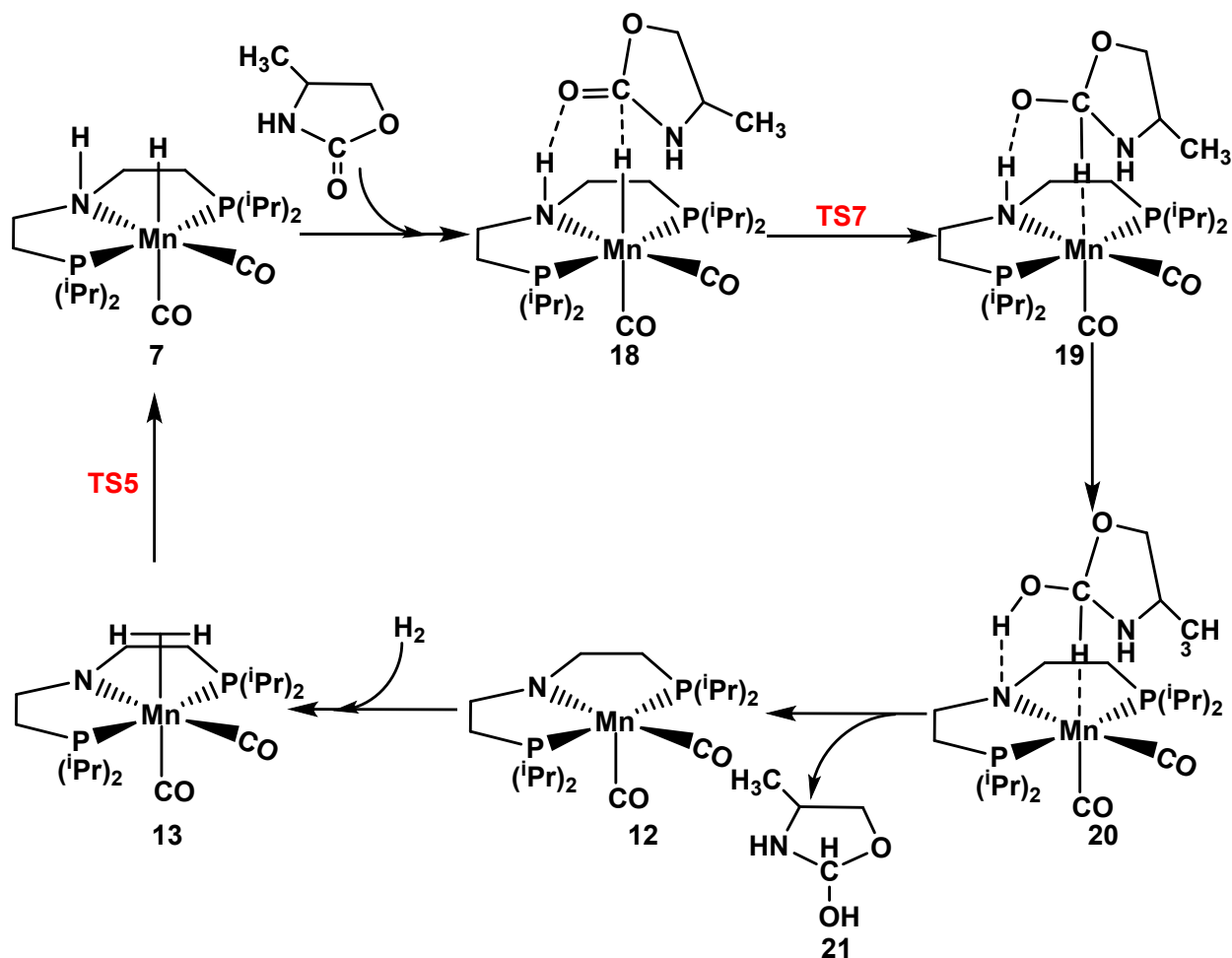
Scheme S1: Proposed mechanistic pathway of Pathway I for C–N bond cleavage of oxazolidinone by Mn(I)-PNP catalyst.

6. Proposed mechanistic pathway of Pathway II for C–O bond cleavage of oxazolidinone by Mn(I)-PNP catalyst



Scheme S2: Proposed mechanistic pathway of Pathway II for C–O bond cleavage of oxazolidinone by Mn(I)-PNP catalyst.

7. Proposed mechanistic pathway of Pathway III for C=O bond hydrogenation of oxazolidinone by Mn(I)-PNP catalyst



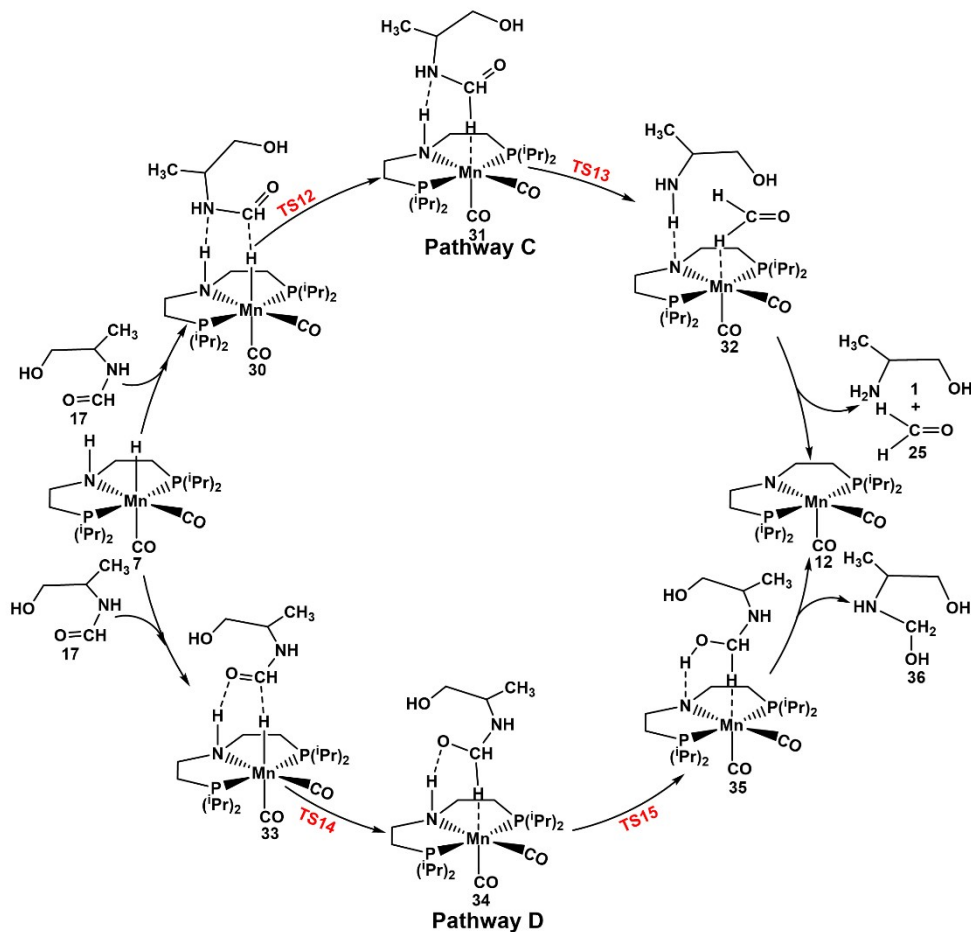
Scheme S3: Proposed mechanistic pathway of Pathway III for C=O bond hydrogenation of oxazolidinone by Mn(I)-PNP catalyst.

8. The total energies of the singlet and triplet states of Mn(I) based intermediates associated in Pathway I

Table S2: The total energies (in Hartree) of the singlet and triplet states of Mn(I) based intermediates associated in Pathway I and the energy difference (kcal/mol) between the singlet and triplet states of the Mn(I) based intermediates.

Intermediates	Singlet	Triplet	Energy difference (kcal/mol)
7	-1700.378366	-1700.338063	25.3
8	-2062.186089	-2062.144316	26.2
9	-2062.154250	-2062.140130	8.9
10	-2062.171121	-2062.137400	21.2
12	-1699.196572	-1699.161504	22.0

9. Reaction scheme for Pathway C and D in the presence of Mn(I)-PNP catalyst



Scheme S4: The reaction mechanisms of C-N bond cleavage (Pathway C) and C=O bond hydrogenation (Pathway D) of (1-hydroxypropan-2-yl)formamide (**17**) to formaldehyde (**25**) and 2-((hydroxymethyl)amino)propan-1-ol (**36**) in the presence of Mn(I)-PNP catalyst.

10. Reaction free energy profile diagram for Pathway C and D in the presence of Mn(I)-PNP catalyst

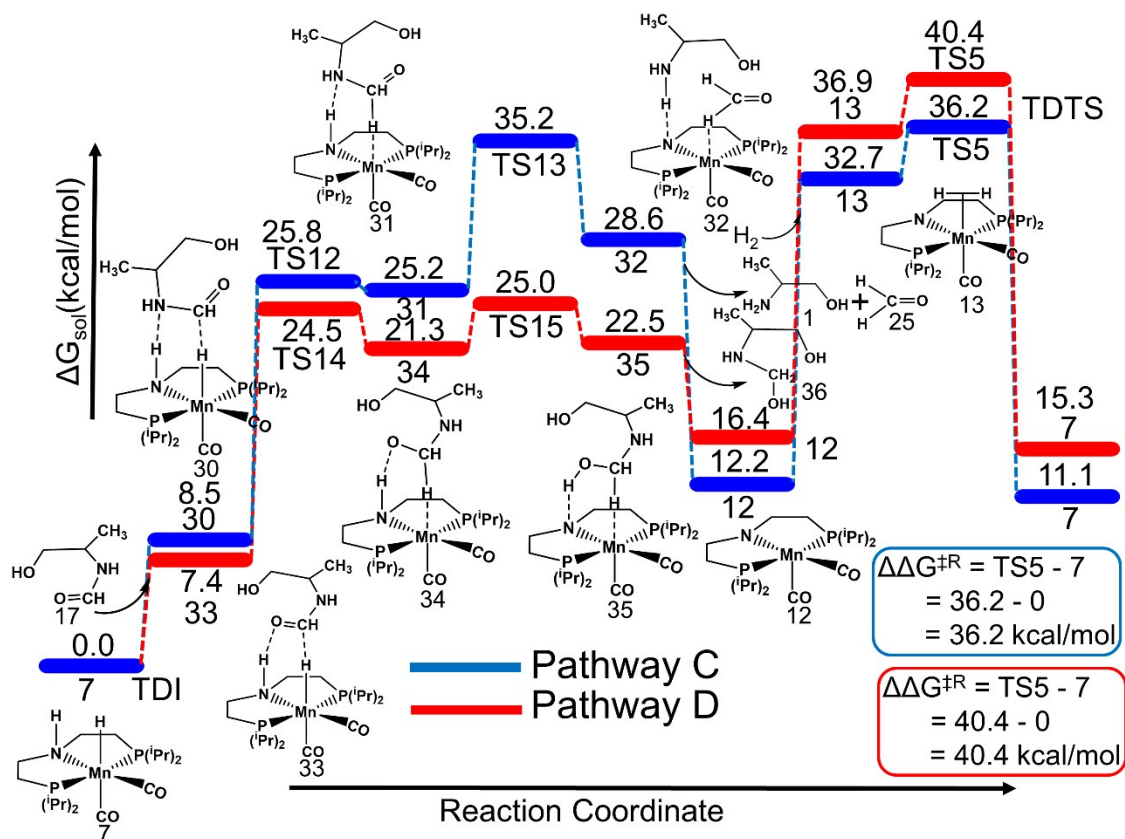
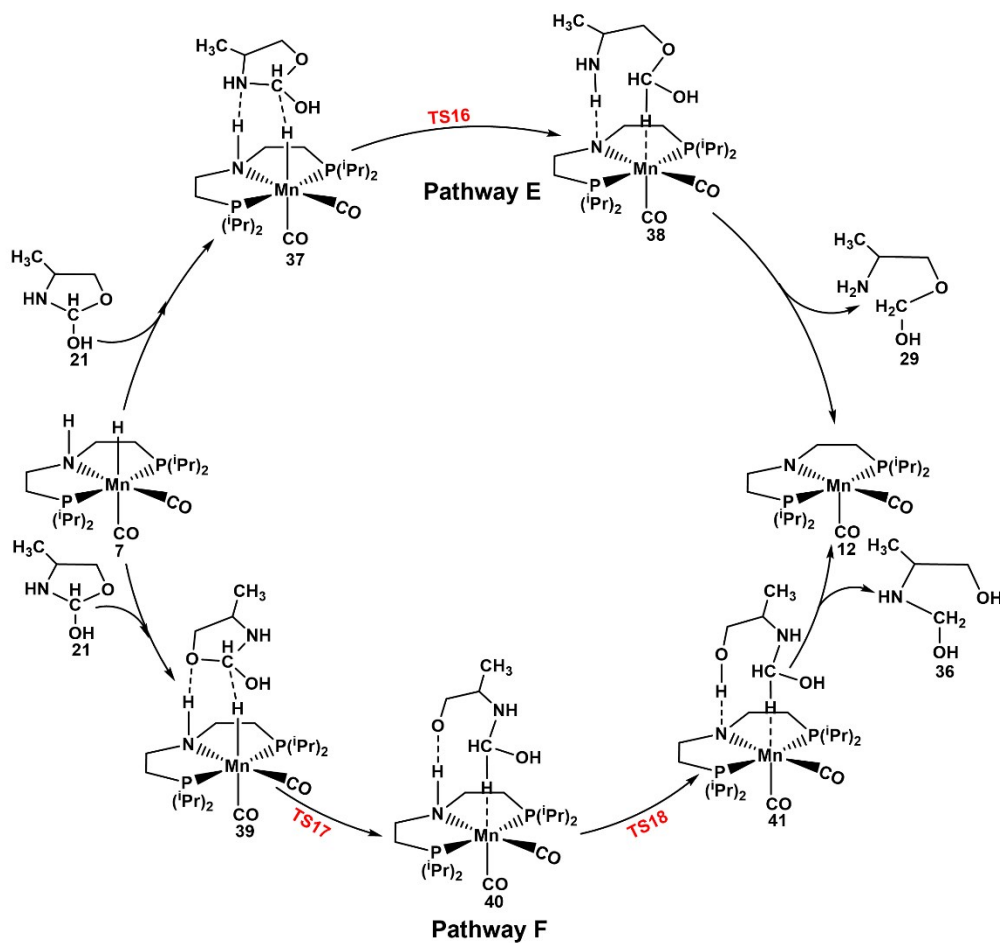


Figure S2: Reaction free energy profile diagram for C–N bond cleavage (Pathway C) and C=O bond hydrogenation (Pathway D) of (1-hydroxypropan-2-yl)formamide (**17**) to formaldehyde (**25**) and 2-((hydroxymethyl)amino)propan-1-ol (**36**) using the Mn(I)-PNP catalyst. Here, $\Delta\Delta G^{\ddagger R}$ denotes the total free energy barrier of the catalytic cycle.

11. Reaction scheme for Pathway E and F in the presence of Mn(I)-PNP catalyst



Scheme S5: Reaction scheme for C–N bond cleavage (Pathway E) and C–O bond hydrogenation (Pathway F) of 4-methyloxazolidin-2-ol (**21**) to (2-aminopropoxy)methanol (**29**) and 2-((hydroxymethyl)amino)propan-1-ol (**36**) in the presence of Mn(I)-PNP catalyst.

12. Reaction free energy profile diagram for Pathway E and F in the presence of Mn(I)-PNP catalyst

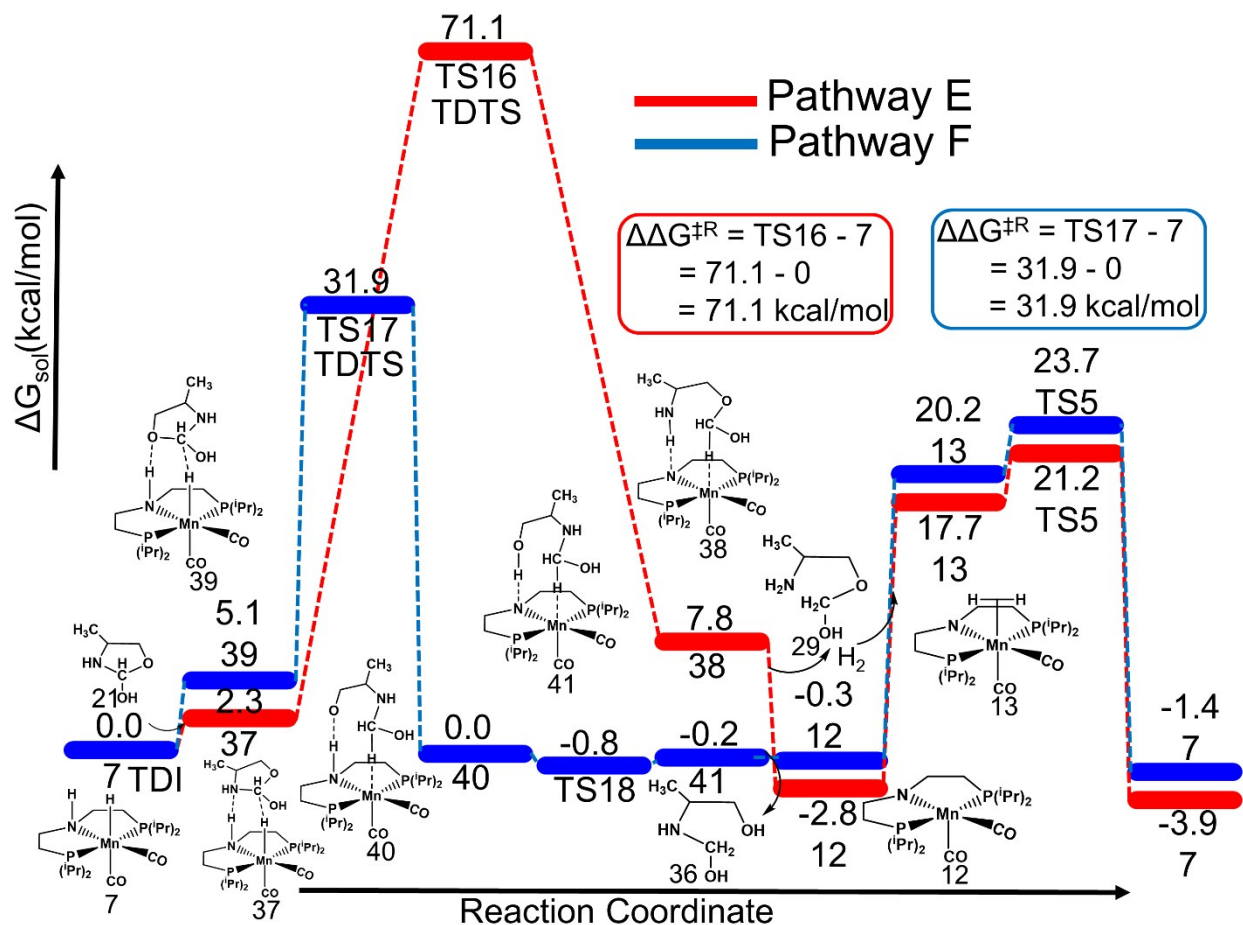


Figure S3: Reaction scheme and corresponding reaction free energy profile diagram for C–N bond cleavage (Pathway E) and C–O bond hydrogenation (Pathway F) of 4-methyloxazolidin-2-ol (**21**) to (2-aminopropoxy)methanol (**29**) and 2-((hydroxymethyl)amino)propan-1-ol (**36**) using the Mn(I)-PNP catalyst. Here, $\Delta\Delta G^{\ddagger R}$ denotes the total free energy barrier of the catalytic cycle.

13. Scheme and reaction free energy profile diagram for 2-
 ((hydroxymethyl)amino)propan-1-ol (36) hydrogenation to methanol

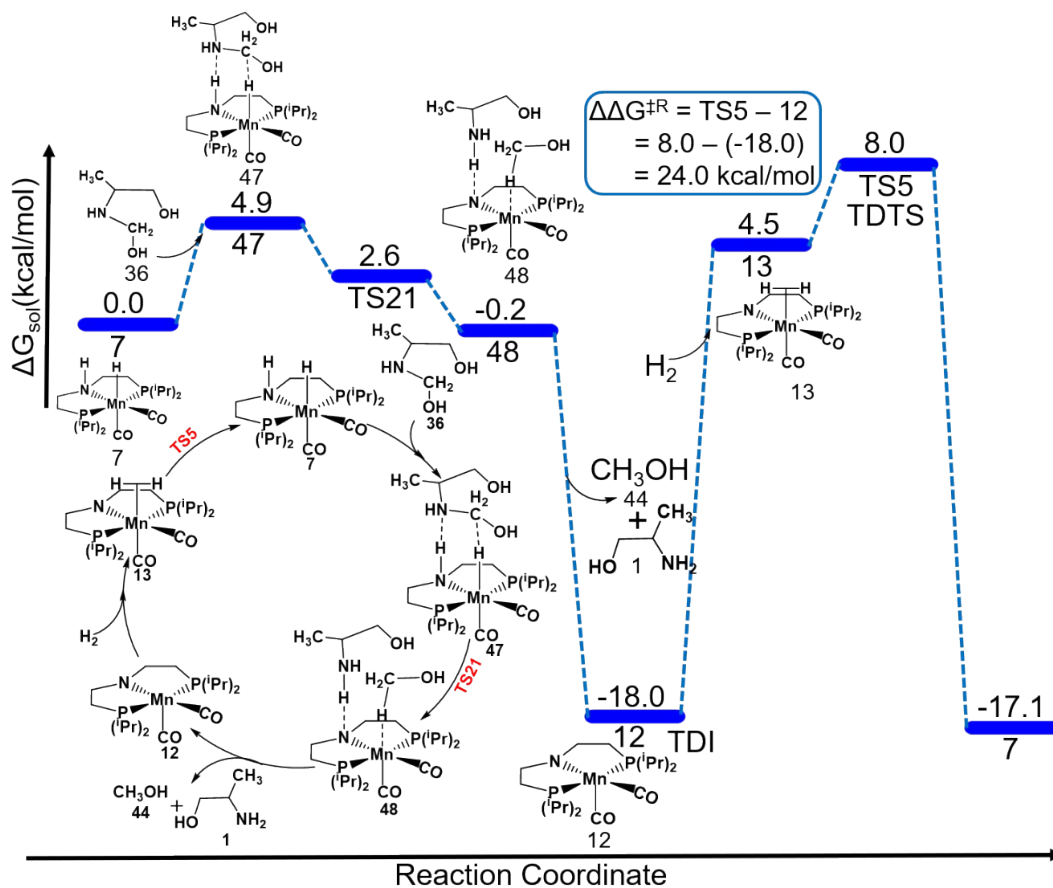


Figure S4: Reaction schemes and corresponding reaction free energy profile diagrams of 2-((hydroxymethyl)amino)propan-1-ol (36) hydrogenation to methanol using the Mn(I)-PNP catalyst. Here, $\Delta\Delta G^{\ddagger R}$ denotes the total free energy barrier of the catalytic cycle.

14. Overall mechanistic pathway for oxazolidinone hydrogenation to methanol via C–N bond hydrogenation followed by C–O/C=O and C=O/C–O using Mn(I)-PNP catalyst

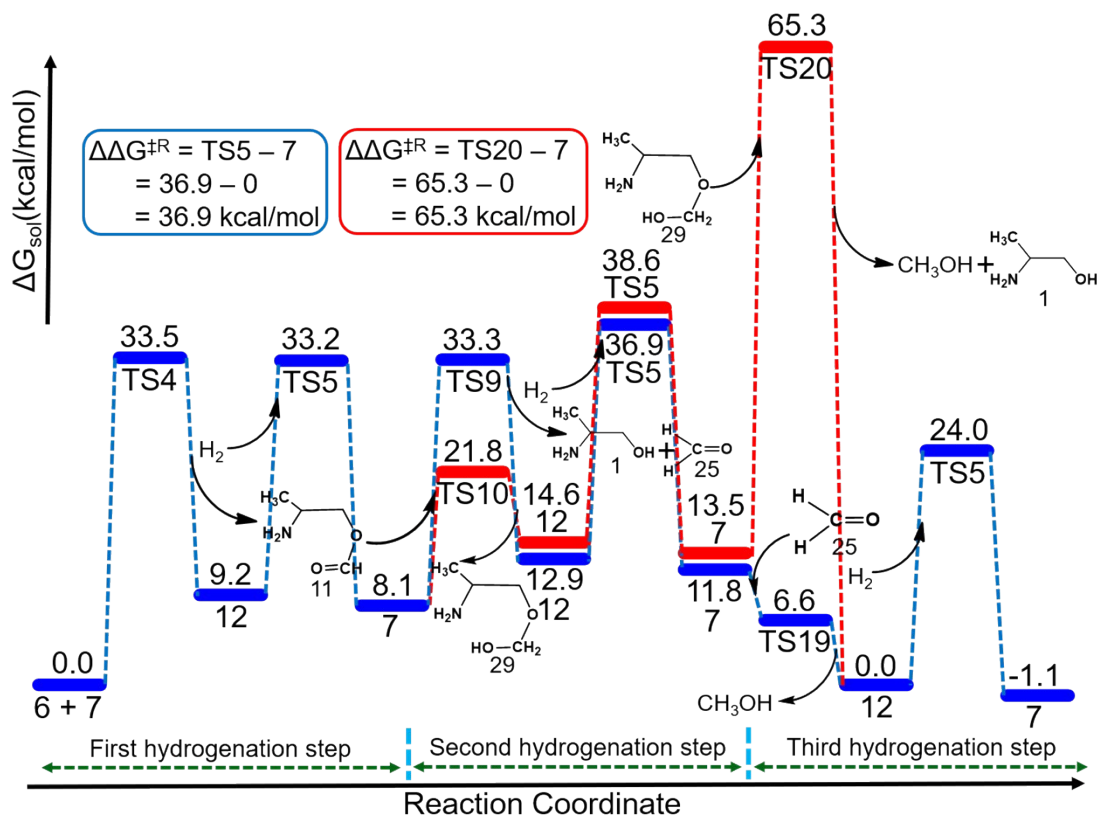


Figure S5: Overall reaction free energy profile diagram for oxazolidinone hydrogenation to methanol via C–N bond hydrogenation followed by C–O/C=O and C=O/C–O using Mn(I)-PNP catalyst. Here, $\Delta\Delta G^{\ddagger R}$ denotes the total free energy barrier of the catalytic cycle.

15. Overall mechanistic pathway for oxazolidinone hydrogenation to methanol via C=O bond hydrogenation followed by C–N/C–O and C–O/C–N using Mn(I)-PNP catalyst

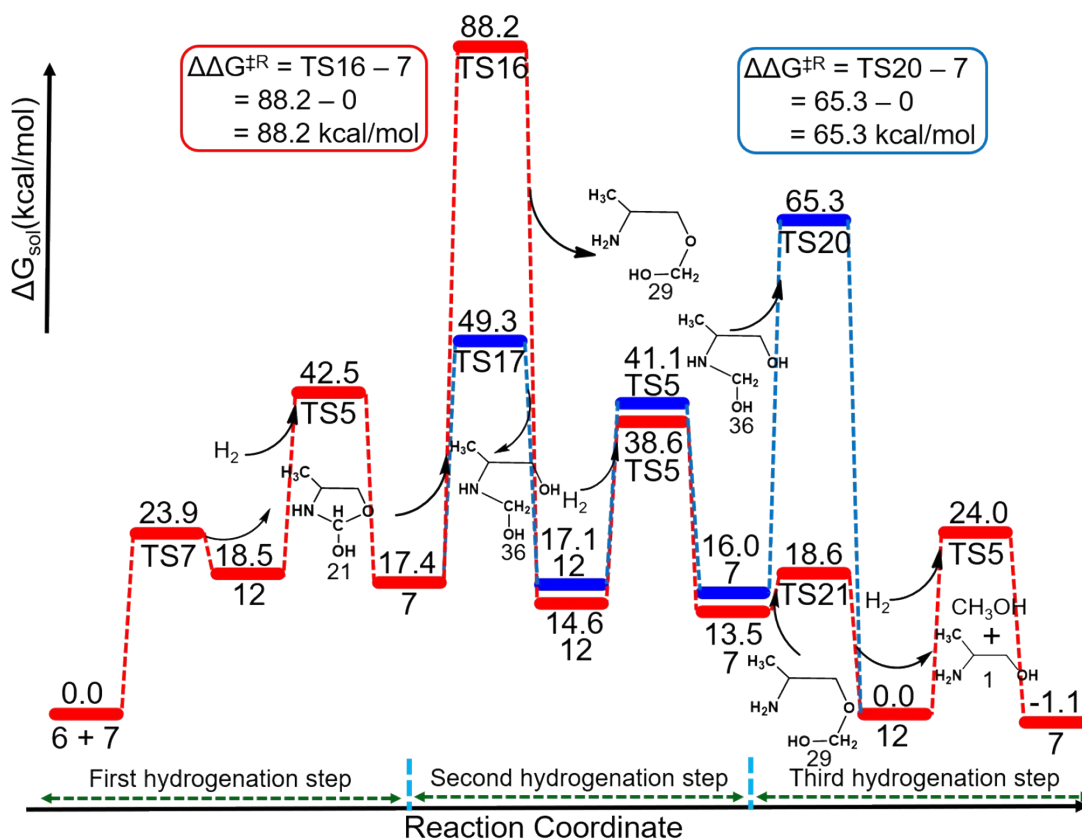


Figure S6: Overall reaction free energy profile diagram for oxazolidinone hydrogenation to methanol via C=O bond hydrogenation followed by C–N/C–O and C–O/C–N using Mn(I)-PNP catalyst. Here, $\Delta\Delta G^{\ddagger R}$ denotes the total free energy barrier of the catalytic cycle.

16. Cartesian coordinates and energies (in Hartree) in solvent phase for all the species

H₂

1	0.000000000	0.000000000	0.372005000
1	0.000000000	0.000000000	-0.372005000

-1.180464

CO₂

6	0.000000000	0.000000000	0.000000000
8	0.000000000	0.000000000	1.169170000
8	0.000000000	0.000000000	-1.169170000

-188.602354

H₂O

8	0.000000000	0.000000000	0.117638000
1	0.000000000	0.767236000	-0.470553000
1	0.000000000	-0.767236000	-0.470553000

-76.437760

Et₃N

7	-0.000424000	-0.301208000	-0.038398000
6	-1.219019000	-1.086979000	0.188887000
1	-1.079354000	-2.062080000	-0.290823000
1	-1.375559000	-1.284986000	1.268666000
6	-2.470856000	-0.429615000	-0.395813000
1	-2.351512000	-0.267410000	-1.472391000
1	-2.683095000	0.537716000	0.070939000
1	-3.342811000	-1.072949000	-0.234795000
6	1.217304000	-1.088430000	0.188495000
1	1.373493000	-1.287381000	1.268162000
1	1.076618000	-2.063024000	-0.291948000
6	2.470005000	-0.432101000	-0.395499000
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1	2.350925000	-0.268536000	-1.471900000
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-292.290967

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1	3.174997000	-1.625728000	-0.689687000
6	1.133287000	-2.168163000	-1.180048000
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-730.531956

TS1

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6	2.515896000	1.475570000	-0.271951000
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1	1.264092000	0.550674000	1.846938000
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1	3.794261000	0.371710000	2.019507000
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7	1.757806000	0.220433000	-0.054859000
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1	3.346630000	1.645943000	-0.143665000
1	1.876275000	2.173191000	0.666994000
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-730.523496

TS2

7	1.230507000	0.205762000	-0.464897000
1	1.292290000	-0.242653000	-1.384031000
1	0.225029000	0.048259000	-0.127300000
6	2.259883000	-0.405093000	0.431020000
1	3.195461000	0.116686000	0.208196000
6	1.908815000	-0.208909000	1.902049000
1	1.844309000	0.854714000	2.136680000
1	0.956549000	-0.687030000	2.152130000
1	2.687966000	-0.652783000	2.528614000
6	2.411639000	-1.885732000	0.063788000
1	3.235004000	-2.314884000	0.646842000
1	1.499572000	-2.436408000	0.309977000
8	2.611552000	-2.070977000	-1.341299000
1	3.511438000	-1.800187000	-1.571999000
6	1.338535000	1.782180000	-0.751066000
8	0.566460000	2.100583000	-1.659009000
8	2.138094000	2.364200000	-0.019680000
7	-1.537876000	-0.018403000	0.120286000
6	-1.964533000	1.360612000	0.462961000
1	-3.059481000	1.405627000	0.583071000
1	-1.700704000	1.990926000	-0.390456000
6	-1.295813000	1.926060000	1.716955000
1	-1.576520000	1.385432000	2.625321000
1	-1.603278000	2.968632000	1.846701000
1	-0.206165000	1.910352000	1.628904000
6	-1.977331000	-0.989898000	1.146819000
1	-1.453589000	-0.741122000	2.074139000
1	-3.053420000	-0.869829000	1.356929000
6	-1.694831000	-2.450089000	0.796273000
1	-2.326651000	-2.809100000	-0.021073000
1	-1.896653000	-3.076003000	1.670856000
1	-0.650369000	-2.601713000	0.508929000
6	-1.955878000	-0.369622000	-1.260603000

1	-1.523177000	0.401216000	-1.904419000
1	-1.452669000	-1.303403000	-1.526104000
6	-3.479771000	-0.496395000	-1.514621000
1	-3.744662000	-1.500906000	-1.858230000
1	-3.817968000	0.215826000	-2.272786000
1	-4.063876000	-0.302298000	-0.610157000

-730.522332

4

7	1.120354000	-0.049827000	0.670379000
1	1.100407000	-0.046105000	1.686585000
1	-0.666041000	0.093318000	0.266795000
6	1.913580000	1.072096000	0.116961000
1	1.595095000	1.212529000	-0.922504000
6	1.582001000	2.328997000	0.929636000
1	2.025309000	3.214152000	0.465470000
1	0.501886000	2.486016000	0.999398000
1	1.975884000	2.248225000	1.950160000
6	3.437922000	0.832671000	0.105095000
1	3.952163000	1.798490000	0.042869000
1	3.724104000	0.364642000	1.062277000
8	3.887001000	0.059058000	-1.001721000
1	3.213713000	-0.655746000	-1.116293000
6	1.234383000	-1.408347000	0.191788000
8	0.678637000	-2.267079000	0.919365000
8	1.791813000	-1.583190000	-0.932843000
7	-1.699158000	0.175075000	0.056852000
6	-2.379139000	0.310601000	1.401864000
1	-3.442594000	0.471945000	1.218204000
1	-1.966494000	1.219504000	1.847460000
6	-2.151443000	-0.888099000	2.317729000
1	-2.754126000	-1.750098000	2.021871000
1	-2.449329000	-0.605645000	3.331319000
1	-1.100939000	-1.193143000	2.328741000
6	-2.109169000	-1.088355000	-0.671105000
1	-1.786054000	-1.910196000	-0.033312000
1	-3.200477000	-1.088347000	-0.723726000
6	-1.471760000	-1.230992000	-2.048070000
1	-0.381787000	-1.163094000	-1.992385000
1	-1.846792000	-0.498547000	-2.767244000
1	-1.720985000	-2.225408000	-2.428920000
6	-1.837564000	1.436182000	-0.769033000
1	-1.490298000	2.251570000	-0.131152000
1	-1.131880000	1.344175000	-1.595601000
6	-3.246249000	1.713513000	-1.278185000

1	-3.960691000	1.860752000	-0.464860000
1	-3.615304000	0.918136000	-1.930108000
1	-3.218126000	2.636217000	-1.864148000

-730.531888

5

7	1.407048000	0.254016000	-0.716091000
1	1.277465000	0.413592000	-1.710262000
1	-0.552644000	0.320617000	-0.213724000
6	1.952866000	-1.057719000	-0.280426000
1	1.152462000	-1.816613000	-0.242983000
6	3.099605000	-1.525579000	-1.176563000
1	3.485140000	-2.482711000	-0.810755000
1	2.746764000	-1.677207000	-2.201921000
1	3.923548000	-0.802242000	-1.194223000
6	2.402821000	-0.657876000	1.133391000
1	1.611166000	-0.790961000	1.876044000
1	3.313667000	-1.158274000	1.462833000
8	-0.318298000	-3.132493000	-0.259499000
1	-0.326816000	-3.910971000	0.314864000
6	2.076860000	1.273474000	-0.057315000
8	2.106630000	2.454868000	-0.356515000
8	2.687399000	0.771961000	1.041062000
7	-1.583969000	0.386394000	-0.114625000
6	-1.993405000	1.710866000	-0.724045000
1	-3.081158000	1.765477000	-0.657862000
1	-1.717466000	1.648664000	-1.779192000
6	-1.343730000	2.925597000	-0.072075000
1	-1.703002000	3.094639000	0.945679000
1	-1.608485000	3.806152000	-0.664714000
1	-0.253213000	2.848360000	-0.061683000
6	-1.879235000	0.329212000	1.370628000
1	-1.227787000	1.073659000	1.829598000
1	-2.912669000	0.658610000	1.502564000
6	-1.637160000	-1.042530000	1.989748000
1	-0.714162000	-1.502918000	1.626082000
1	-2.444009000	-1.741795000	1.761260000
1	-1.584066000	-0.924099000	3.075726000
6	-2.123009000	-0.795793000	-0.909521000
1	-1.796293000	-0.617272000	-1.938020000
1	-1.592574000	-1.692261000	-0.545476000
6	-3.636900000	-0.945686000	-0.845875000
1	-4.173727000	-0.102815000	-1.290052000
1	-3.997637000	-1.088939000	0.176291000
1	-3.904184000	-1.842048000	-1.413134000

-730.484054

6

7	0.146446000	-0.815177000	0.631768000
1	0.198194000	-1.819956000	0.725723000
6	-1.128495000	-0.106265000	0.497305000
1	-1.669188000	-0.121255000	1.447709000
6	-2.007995000	-0.670096000	-0.620519000
1	-1.490887000	-0.616284000	-1.584583000
1	-2.263675000	-1.715464000	-0.420948000
1	-2.938802000	-0.097727000	-0.690768000
6	-0.584311000	1.310621000	0.209661000
1	-1.170410000	1.855477000	-0.531429000
1	-0.482290000	1.906271000	1.121073000
6	1.158641000	-0.167183000	-0.014030000
8	0.743765000	1.092897000	-0.336951000
8	2.276847000	-0.578808000	-0.278506000

-361.820170

7 (Singlet)

25	0.000175000	0.029277000	0.075676000
15	-2.239629000	0.073693000	-0.325644000
15	2.239801000	0.073012000	-0.325445000
8	-0.000844000	-2.198967000	2.009211000
8	0.000861000	2.001016000	2.245952000
7	0.000354000	-1.192954000	-1.734559000
6	-1.240598000	-1.988512000	-1.875150000
1	-1.267710000	-2.701901000	-1.046076000
1	-1.236384000	-2.557974000	-2.816204000
6	1.240430000	-1.990362000	-1.873557000
1	1.236261000	-2.560261000	-2.814244000
1	1.265934000	-2.703063000	-1.043638000
6	-3.005959000	1.670677000	-0.958957000
1	-2.381210000	1.857678000	-1.842265000
6	3.472602000	-0.598369000	0.929931000
1	4.472817000	-0.318094000	0.579257000
6	2.438926000	-1.041949000	-1.819010000
1	2.441274000	-0.403847000	-2.710866000
1	3.383229000	-1.592877000	-1.815517000
6	3.005817000	1.669053000	-0.961661000
1	2.382206000	1.853512000	-1.846238000
6	-2.438134000	-1.038631000	-1.820867000
1	-3.382932000	-1.588612000	-1.819406000
1	-2.438623000	-0.399280000	-2.711979000

6	-3.227355000	0.037761000	2.307114000
1	-2.235844000	-0.231649000	2.684158000
1	-3.975019000	-0.322568000	3.023975000
1	-3.287677000	1.128673000	2.281252000
6	-3.418611000	-2.134157000	1.037076000
1	-3.671577000	-2.631682000	0.096399000
1	-4.142973000	-2.470353000	1.788659000
1	-2.430759000	-2.478326000	1.352438000
6	-3.472347000	-0.599988000	0.927753000
1	-4.473547000	-0.319302000	0.578335000
6	-0.000473000	-1.342354000	1.197204000
6	0.000392000	1.200073000	1.383336000
6	-2.811584000	2.856348000	-0.002075000
1	-3.433937000	2.757637000	0.893258000
1	-3.107983000	3.786409000	-0.502106000
1	-1.769440000	2.953095000	0.310795000
6	-4.471255000	1.552804000	-1.406954000
1	-4.637060000	0.707833000	-2.082806000
1	-4.771222000	2.465545000	-1.935777000
1	-5.144182000	1.438492000	-0.550177000
6	4.471800000	1.550964000	-1.407719000
1	5.143913000	1.439425000	-0.549894000
1	4.771717000	2.462474000	-1.938648000
1	4.638781000	0.704234000	-2.081190000
6	3.418659000	-2.132310000	1.041387000
1	2.430358000	-2.475896000	1.356833000
1	4.142341000	-2.467273000	1.794195000
1	3.672372000	-2.631496000	0.101988000
6	3.227155000	0.042051000	2.307547000
1	3.287272000	1.132940000	2.279974000
1	3.974788000	-0.316722000	3.025123000
1	2.235595000	-0.226803000	2.684908000
6	2.809617000	2.856926000	-0.007836000
1	1.766939000	2.953846000	0.303198000
1	3.106387000	3.785907000	-0.509642000
1	3.430463000	2.760784000	0.888851000
1	0.000070000	1.290450000	-0.934659000
1	0.001297000	-0.499320000	-2.482597000

-1700.378366

7 (Triplet)

25	-0.001145000	0.544070000	-0.004058000
15	-2.243060000	-0.285504000	-0.327183000
15	2.247239000	-0.279302000	-0.305939000
8	-0.007276000	0.406342000	2.981196000

8	-0.034974000	3.491553000	0.726767000
7	0.009050000	-2.422278000	-0.921495000
6	-1.246412000	-2.946925000	-0.412748000
1	-1.192863000	-2.936883000	0.681534000
1	-1.438060000	-3.993470000	-0.711797000
6	1.240666000	-2.938656000	-0.349895000
1	1.437344000	-3.994903000	-0.609592000
1	1.146299000	-2.893503000	0.741343000
6	-3.123433000	0.619045000	-1.729550000
1	-2.608672000	0.204368000	-2.606454000
6	3.462248000	-0.178754000	1.127977000
1	4.446952000	-0.446389000	0.725074000
6	2.414459000	-2.071605000	-0.822178000
1	2.455570000	-2.093085000	-1.917963000
1	3.366024000	-2.476936000	-0.462272000
6	3.106766000	0.580882000	-1.747530000
1	2.545576000	0.171305000	-2.597896000
6	-2.399774000	-2.060048000	-0.900829000
1	-3.364811000	-2.471146000	-0.584937000
1	-2.403187000	-2.048904000	-1.997580000
6	-3.527761000	1.165754000	1.724794000
1	-2.538295000	1.511121000	2.039964000
1	-4.182512000	1.159366000	2.604230000
1	-3.930238000	1.896069000	1.018290000
6	-3.079257000	-1.285634000	2.188386000
1	-3.138014000	-2.309856000	1.808070000
1	-3.780953000	-1.209182000	3.027639000
1	-2.072103000	-1.122342000	2.581908000
6	-3.449131000	-0.243581000	1.117569000
1	-4.433169000	-0.513266000	0.715638000
6	-0.004542000	0.392568000	1.804198000
6	-0.015303000	2.374660000	0.393943000
6	-2.864181000	2.134144000	-1.729295000
1	-3.334318000	2.632055000	-0.875831000
1	-3.282518000	2.577935000	-2.641109000
1	-1.792227000	2.343536000	-1.701275000
6	-4.623550000	0.306967000	-1.847368000
1	-4.829854000	-0.768352000	-1.852138000
1	-5.016077000	0.725469000	-2.781974000
1	-5.189594000	0.758599000	-1.025201000
6	4.589841000	0.218295000	-1.916562000
1	5.200552000	0.656070000	-1.119469000
1	4.961336000	0.617328000	-2.868039000
1	4.759233000	-0.863170000	-1.920540000
6	3.114642000	-1.191467000	2.233999000
1	2.126065000	-0.999078000	2.659194000

1	3.847511000	-1.108272000	3.045367000
1	3.140858000	-2.225771000	1.878289000
6	3.526848000	1.246597000	1.699151000
1	3.911938000	1.966364000	0.972858000
1	4.190421000	1.271251000	2.571785000
1	2.535209000	1.585051000	2.016611000
6	2.896893000	2.102906000	-1.759781000
1	1.837073000	2.350537000	-1.664658000
1	3.267225000	2.518062000	-2.704971000
1	3.441483000	2.597949000	-0.950413000
1	0.002480000	0.683318000	-1.617201000
1	0.034803000	-2.458995000	-1.937136000

-1700.338063

8 (Singlet)

25	-0.901877000	0.595272000	0.058426000
15	0.786552000	2.113070000	-0.023374000
15	-1.924408000	-1.434941000	-0.060448000
8	-2.868413000	2.107345000	-1.537865000
8	-2.106990000	1.480292000	2.578793000
7	0.260930000	-0.266032000	-1.698618000
6	0.901493000	0.804404000	-2.488171000
1	0.103929000	1.405635000	-2.935376000
1	1.508649000	0.384532000	-3.304770000
6	-0.565556000	-1.200872000	-2.487088000
1	0.026032000	-1.669861000	-3.288285000
1	-1.367644000	-0.621310000	-2.954271000
6	2.124108000	1.991133000	1.292023000
1	2.422642000	0.941117000	1.176758000
6	-3.778272000	-1.553709000	-0.364071000
1	-4.074088000	-2.589163000	-0.157686000
6	-1.136163000	-2.265228000	-1.548173000
1	-0.320275000	-2.887578000	-1.165413000
1	-1.825249000	-2.930777000	-2.074390000
6	-1.568275000	-2.702237000	1.276951000
1	-0.471642000	-2.719375000	1.264867000
6	1.768596000	1.657145000	-1.558834000
1	2.158414000	2.535766000	-2.078480000
1	2.634522000	1.072192000	-1.233907000
6	-0.583882000	4.412853000	0.828157000
1	-1.545116000	3.915137000	0.665527000
1	-0.741334000	5.495172000	0.747952000
1	-0.268247000	4.195030000	1.851547000
6	-0.052180000	4.304417000	-1.634148000
1	0.690107000	4.088544000	-2.408004000

1	-0.273853000	5.377225000	-1.685807000
1	-0.970429000	3.764108000	-1.879843000
6	0.444625000	3.953213000	-0.220529000
1	1.391567000	4.479232000	-0.048146000
6	-2.060598000	1.488564000	-0.939161000
6	-1.631520000	1.132080000	1.559028000
6	1.578875000	2.146002000	2.718637000
1	1.301042000	3.182869000	2.934515000
1	2.351408000	1.858294000	3.441846000
1	0.704994000	1.510631000	2.879210000
6	3.351820000	2.885987000	1.062579000
1	3.759016000	2.793563000	0.050078000
1	4.146349000	2.610117000	1.766502000
1	3.116126000	3.941608000	1.235721000
6	-2.089673000	-4.118607000	0.984310000
1	-3.182609000	-4.168688000	1.043803000
1	-1.692212000	-4.818009000	1.730004000
1	-1.788834000	-4.483096000	-0.003323000
6	-4.159244000	-1.225031000	-1.818170000
1	-3.841782000	-0.215735000	-2.094968000
1	-5.249360000	-1.271760000	-1.929124000
1	-3.728801000	-1.930270000	-2.535045000
6	-4.525607000	-0.617622000	0.602862000
1	-4.295283000	-0.824326000	1.651029000
1	-5.608512000	-0.726383000	0.467710000
1	-4.259049000	0.425053000	0.406078000
6	-2.001421000	-2.232777000	2.673617000
1	-1.647779000	-1.220970000	2.884999000
1	-1.586292000	-2.905870000	3.433421000
1	-3.091045000	-2.249964000	2.785499000
1	0.989695000	-0.809977000	-1.232249000
1	0.170203000	-0.234001000	0.975380000
7	2.530772000	-2.425238000	-0.434549000
1	2.007980000	-3.234492000	-0.745504000
6	3.778783000	-2.057505000	-1.118375000
1	3.554004000	-1.510620000	-2.038935000
6	4.660783000	-3.267318000	-1.432052000
1	4.938528000	-3.793664000	-0.512119000
1	4.135300000	-3.967504000	-2.089753000
1	5.575347000	-2.943047000	-1.939331000
6	4.378682000	-1.108617000	-0.054350000
1	5.455678000	-1.231808000	0.069646000
1	4.149501000	-0.058408000	-0.250295000
6	2.655951000	-2.274846000	0.928057000
8	3.734946000	-1.485308000	1.190061000
8	1.948369000	-2.737655000	1.803159000

-2062.186089

8 (Triplet)

25	-1.232715000	0.433133000	0.393345000
15	0.200087000	2.299031000	-0.110735000
15	-1.423413000	-1.899917000	-0.167504000
8	-3.598679000	1.377755000	-1.169952000
8	-3.142941000	1.132324000	2.651739000
7	0.752048000	-0.302294000	-1.752771000
6	1.008658000	0.937303000	-2.462993000
1	0.076717000	1.252999000	-2.946540000
1	1.766534000	0.837506000	-3.262569000
6	0.126414000	-1.389563000	-2.484935000
1	0.772172000	-1.809396000	-3.278786000
1	-0.768283000	-0.994660000	-2.980459000
6	1.322682000	2.702930000	1.346363000
1	1.922749000	1.785233000	1.391504000
6	-3.074790000	-2.569310000	-0.774803000
1	-2.983186000	-3.662402000	-0.797987000
6	-0.248402000	-2.498998000	-1.493301000
1	0.656158000	-2.849290000	-0.982570000
1	-0.676016000	-3.360708000	-2.016621000
6	-0.922317000	-3.004089000	1.272488000
1	0.157203000	-2.816222000	1.310934000
6	1.471513000	1.992959000	-1.450619000
1	1.731473000	2.931721000	-1.950122000
1	2.383238000	1.636051000	-0.957668000
6	-1.655645000	4.389105000	0.309132000
1	-2.451184000	3.638829000	0.363947000
1	-2.097515000	5.328066000	-0.044996000
1	-1.284764000	4.560282000	1.322500000
6	-1.083651000	3.853605000	-2.093137000
1	-0.297289000	3.641015000	-2.823268000
1	-1.535270000	4.813525000	-2.370569000
1	-1.855660000	3.084286000	-2.186771000
6	-0.544216000	3.938682000	-0.653396000
1	0.265971000	4.678499000	-0.636291000
6	-2.639018000	0.992578000	-0.607589000
6	-2.372879000	0.852740000	1.822038000
6	0.574384000	2.806882000	2.684001000
1	-0.019087000	3.723506000	2.749346000
1	1.297187000	2.825989000	3.508611000
1	-0.090186000	1.951609000	2.827609000
6	2.260332000	3.900526000	1.132609000
1	2.820145000	3.834497000	0.193987000

1	2.988175000	3.949177000	1.951559000
1	1.706514000	4.845459000	1.132583000
6	-1.142835000	-4.505353000	1.030552000
1	-2.207907000	-4.762350000	1.037797000
1	-0.662219000	-5.081212000	1.830496000
1	-0.717585000	-4.842196000	0.079652000
6	-3.382768000	-2.087180000	-2.203403000
1	-3.413325000	-0.995446000	-2.260439000
1	-4.365037000	-2.464029000	-2.513079000
1	-2.651200000	-2.448531000	-2.931957000
6	-4.213451000	-2.185607000	0.183663000
1	-4.067751000	-2.597831000	1.185212000
1	-5.167932000	-2.568491000	-0.197242000
1	-4.296863000	-1.097768000	0.275581000
6	-1.513577000	-2.559808000	2.619404000
1	-1.321081000	-1.499214000	2.799970000
1	-1.051826000	-3.137356000	3.429691000
1	-2.593643000	-2.728819000	2.672871000
1	1.596397000	-0.628669000	-1.288795000
1	0.035884000	-0.061500000	1.266285000
7	3.572790000	-1.622219000	-0.693087000
1	3.553029000	-2.249058000	-1.487593000
6	4.627838000	-0.612085000	-0.552774000
1	4.429143000	0.229565000	-1.222930000
6	6.027157000	-1.171759000	-0.812971000
1	6.255201000	-1.985135000	-0.115676000
1	6.105603000	-1.555909000	-1.834914000
1	6.775266000	-0.382285000	-0.686111000
6	4.381443000	-0.202842000	0.917183000
1	5.301953000	-0.033358000	1.477249000
1	3.729228000	0.670002000	1.000849000
6	3.206399000	-2.136000000	0.524606000
8	3.693313000	-1.335393000	1.510964000
8	2.531201000	-3.126902000	0.746495000

-2062.144316

TS3

25	0.098955000	-0.649049000	0.134265000
15	-2.196941000	-0.767789000	-0.079196000
15	2.378676000	-0.253854000	-0.115263000
8	0.386200000	-3.429634000	-0.755261000
8	0.206219000	-1.333828000	2.992014000
7	0.010738000	0.163005000	-1.853222000
6	-1.198767000	-0.239834000	-2.610640000
1	-1.091819000	-1.299245000	-2.863260000

1	-1.266059000	0.321891000	-3.553207000
6	1.249878000	-0.056475000	-2.641379000
1	1.187747000	0.468125000	-3.605660000
1	1.326393000	-1.128234000	-2.850149000
6	-3.287987000	0.275610000	1.029977000
1	-2.735841000	1.217230000	1.071067000
6	3.569984000	-1.716684000	-0.066080000
1	4.559821000	-1.276210000	0.100213000
6	2.461352000	0.433096000	-1.848022000
1	2.416955000	1.522537000	-1.756249000
1	3.395071000	0.189295000	-2.360161000
6	3.288365000	1.051168000	0.875142000
1	2.595376000	1.896084000	0.850218000
6	-2.451601000	-0.012351000	-1.766255000
1	-3.344275000	-0.386636000	-2.273589000
1	-2.594893000	1.060195000	-1.615529000
6	-2.606423000	-3.348887000	1.017410000
1	-1.587731000	-3.699791000	0.838251000
1	-3.258753000	-4.228435000	1.074856000
1	-2.621329000	-2.858228000	1.992693000
6	-2.969419000	-3.156312000	-1.476852000
1	-3.402118000	-2.582224000	-2.300981000
1	-3.511661000	-4.107848000	-1.422526000
1	-1.929633000	-3.386216000	-1.723275000
6	-3.084628000	-2.430426000	-0.124590000
1	-4.143559000	-2.197888000	0.042423000
6	0.282931000	-2.313138000	-0.403323000
6	0.163160000	-1.071378000	1.851118000
6	-3.357059000	-0.268794000	2.466488000
1	-3.969454000	-1.174871000	2.525109000
1	-3.822951000	0.481725000	3.115640000
1	-2.366510000	-0.493041000	2.871201000
6	-4.698287000	0.542571000	0.478401000
1	-4.684065000	1.004568000	-0.513284000
1	-5.227244000	1.227783000	1.151765000
1	-5.294501000	-0.374715000	0.414635000
6	4.638579000	1.486039000	0.280891000
1	5.377196000	0.676777000	0.296253000
1	5.047450000	2.308392000	0.880499000
1	4.551570000	1.844491000	-0.749337000
6	3.633692000	-2.520824000	-1.376504000
1	2.666305000	-2.961632000	-1.629142000
1	4.348999000	-3.343722000	-1.259255000
1	3.970138000	-1.915393000	-2.222954000
6	3.253291000	-2.643412000	1.123589000
1	3.146510000	-2.100066000	2.065049000

1	4.063683000	-3.372091000	1.245516000
1	2.327167000	-3.197995000	0.955933000
6	3.440014000	0.650305000	2.351273000
1	2.492856000	0.316991000	2.783682000
1	3.785524000	1.515225000	2.929255000
1	4.181677000	-0.146010000	2.479439000
1	-0.038844000	1.173572000	-1.642319000
1	-0.172963000	1.044760000	0.622924000
7	0.220296000	2.916919000	-0.625750000
1	1.172774000	3.261967000	-0.695350000
6	-0.786620000	3.907240000	-1.054004000
1	-1.013499000	3.769634000	-2.117048000
6	-0.356211000	5.355622000	-0.798823000
1	-0.176151000	5.521474000	0.268825000
1	0.564409000	5.587648000	-1.345350000
1	-1.134414000	6.050239000	-1.133971000
6	-1.982122000	3.477006000	-0.187408000
1	-2.610509000	4.319060000	0.114093000
1	-2.609681000	2.736088000	-0.693406000
6	-0.047359000	2.550610000	0.757100000
8	-1.401455000	2.908258000	0.993008000
8	0.769677000	2.730406000	1.680800000

-2062.151660

9 (Singlet)

25	-0.626870000	0.698051000	0.075626000
15	1.386521000	1.847903000	-0.001970000
15	-2.264602000	-0.951839000	-0.072901000
8	-2.076509000	2.713081000	-1.455903000
8	-1.625740000	1.940645000	2.557245000
7	0.197049000	-0.310169000	-1.598838000
6	1.056279000	0.570517000	-2.433140000
1	0.427517000	1.350431000	-2.873457000
1	1.501253000	-0.005931000	-3.255860000
6	-0.809165000	-1.043749000	-2.413097000
1	-0.301017000	-1.635766000	-3.186904000
1	-1.443140000	-0.308353000	-2.918014000
6	2.618620000	1.358651000	1.322110000
1	2.571545000	0.263525000	1.268282000
6	-4.031617000	-0.472854000	-0.475730000
1	-4.630320000	-1.372077000	-0.288824000
6	-1.629116000	-1.957003000	-1.500011000
1	-0.974922000	-2.714487000	-1.050727000
1	-2.422172000	-2.467293000	-2.052995000
6	-2.338099000	-2.206128000	1.308678000

1	-1.294220000	-2.553378000	1.337030000
6	2.158107000	1.171857000	-1.558692000
1	2.743260000	1.915237000	-2.104378000
1	2.845795000	0.378793000	-1.252909000
6	0.456646000	4.348634000	0.895764000
1	-0.580709000	4.145686000	0.613399000
1	0.594667000	5.435616000	0.906873000
1	0.601608000	3.982087000	1.914248000
6	1.138355000	4.233792000	-1.534283000
1	1.874140000	3.894906000	-2.267991000
1	1.162525000	5.329406000	-1.529373000
1	0.144599000	3.928556000	-1.873841000
6	1.433570000	3.718804000	-0.114469000
1	2.456636000	4.009821000	0.152334000
6	-1.500890000	1.903364000	-0.837765000
6	-1.220562000	1.433373000	1.588301000
6	2.176689000	1.773530000	2.734173000
1	2.257725000	2.855863000	2.878032000
1	2.829558000	1.296250000	3.473315000
1	1.148328000	1.472414000	2.949508000
6	4.063095000	1.800816000	1.038259000
1	4.417643000	1.479584000	0.054469000
1	4.730914000	1.362478000	1.788842000
1	4.169464000	2.889061000	1.101262000
6	-3.216052000	-3.426060000	0.981249000
1	-4.281574000	-3.171286000	0.952215000
1	-3.082062000	-4.184292000	1.761769000
1	-2.945914000	-3.887826000	0.026641000
6	-4.218724000	-0.074246000	-1.950091000
1	-3.615426000	0.798769000	-2.212817000
1	-5.269053000	0.188157000	-2.121693000
1	-3.968246000	-0.886595000	-2.637867000
6	-4.520432000	0.648439000	0.458266000
1	-4.404265000	0.396600000	1.514908000
1	-5.583555000	0.842141000	0.274971000
1	-3.973808000	1.577659000	0.274314000
6	-2.709659000	-1.604725000	2.672055000
1	-2.099589000	-0.732893000	2.921102000
1	-2.550425000	-2.357732000	3.452802000
1	-3.763778000	-1.309494000	2.717452000
1	0.843965000	-1.053190000	-1.228498000
1	1.280518000	-1.710940000	1.113108000
7	1.947668000	-2.467667000	-0.755087000
1	1.642474000	-3.293430000	-1.269420000
6	3.424410000	-2.388212000	-0.759738000
1	3.756342000	-1.420613000	-1.158325000

6	4.061750000	-3.499840000	-1.596323000
1	3.830235000	-4.481216000	-1.166425000
1	3.689661000	-3.477550000	-2.627315000
1	5.150913000	-3.384225000	-1.628246000
6	3.784592000	-2.487667000	0.748038000
1	4.720040000	-3.031349000	0.917055000
1	3.890123000	-1.481199000	1.186813000
6	1.462323000	-2.723065000	0.656415000
8	2.717011000	-3.198251000	1.342029000
8	0.471734000	-3.554060000	0.742280000

-2062.154250

9 (Triplet)

25	-1.055077000	0.769653000	-0.229245000
15	0.908385000	2.058515000	0.068076000
15	-1.949569000	-1.431737000	-0.013200000
8	-2.959948000	2.496718000	-1.889620000
8	-2.579703000	1.960018000	2.036850000
7	0.183591000	-0.157577000	-1.636915000
6	0.832102000	0.876043000	-2.484496000
1	0.043026000	1.447029000	-2.981455000
1	1.446688000	0.399221000	-3.259401000
6	-0.561273000	-1.185308000	-2.412315000
1	0.102267000	-1.642959000	-3.158771000
1	-1.373501000	-0.682704000	-2.946895000
6	2.161089000	1.340501000	1.254076000
1	2.387385000	0.386792000	0.766988000
6	-3.775128000	-1.676987000	-0.342531000
1	-3.930958000	-2.762858000	-0.348958000
6	-1.089870000	-2.255575000	-1.448397000
1	-0.248866000	-2.819103000	-1.021866000
1	-1.751038000	-2.956894000	-1.965932000
6	-1.488841000	-2.483599000	1.459978000
1	-0.413972000	-2.635724000	1.293169000
6	1.704532000	1.795570000	-1.610686000
1	1.869751000	2.754187000	-2.108683000
1	2.685869000	1.341622000	-1.452455000
6	0.462703000	4.310680000	1.714392000
1	-0.524099000	3.907923000	1.965549000
1	0.406135000	5.402723000	1.785163000
1	1.174737000	3.968302000	2.468640000
6	-0.062795000	4.551300000	-0.745407000
1	0.173548000	4.262718000	-1.774361000
1	0.012034000	5.642386000	-0.681920000
1	-1.102341000	4.273560000	-0.546533000

6	0.878420000	3.911203000	0.289010000
1	1.903721000	4.255818000	0.101513000
6	-2.219670000	1.812971000	-1.318566000
6	-1.979178000	1.483284000	1.156843000
6	1.546871000	1.003017000	2.620893000
1	1.266165000	1.897057000	3.184394000
1	2.274162000	0.443514000	3.219597000
1	0.655651000	0.381095000	2.501463000
6	3.458044000	2.153950000	1.368579000
1	3.902337000	2.368094000	0.390891000
1	4.194352000	1.587266000	1.949786000
1	3.293690000	3.106560000	1.881953000
6	-2.152773000	-3.869502000	1.448855000
1	-3.231121000	-3.809018000	1.633333000
1	-1.715588000	-4.486223000	2.242542000
1	-1.992891000	-4.392405000	0.500170000
6	-4.175975000	-1.125129000	-1.720276000
1	-4.040505000	-0.041128000	-1.767420000
1	-5.236200000	-1.335015000	-1.901053000
1	-3.607776000	-1.577730000	-2.538052000
6	-4.637259000	-1.050515000	0.764646000
1	-4.447466000	-1.495851000	1.744424000
1	-5.698416000	-1.199229000	0.534052000
1	-4.457878000	0.027361000	0.838643000
6	-1.689837000	-1.761612000	2.801144000
1	-1.219902000	-0.774520000	2.804135000
1	-1.235206000	-2.354604000	3.603083000
1	-2.747780000	-1.630176000	3.048911000
1	0.971999000	-0.671677000	-1.175714000
1	1.889169000	-1.758532000	1.239471000
7	2.512689000	-1.733133000	-0.787415000
1	2.430698000	-2.438007000	-1.521207000
6	3.914577000	-1.261034000	-0.723469000
1	3.947707000	-0.164251000	-0.704117000
6	4.742077000	-1.744865000	-1.914606000
1	4.812724000	-2.838900000	-1.912644000
1	4.287987000	-1.428924000	-2.861165000
1	5.756822000	-1.333858000	-1.872751000
6	4.417570000	-1.817961000	0.641430000
1	5.459885000	-2.150801000	0.596745000
1	4.336475000	-1.043447000	1.423951000
6	2.202904000	-2.512310000	0.473955000
8	3.583500000	-2.921980000	0.927079000
8	1.391338000	-3.509939000	0.303536000

-2062.140130

TS4

25	0.447565000	-0.753337000	0.058866000
15	-1.735759000	-1.534946000	-0.001783000
15	2.385394000	0.523350000	-0.071689000
8	1.491986000	-2.954272000	-1.536031000
8	1.179454000	-2.141624000	2.560933000
7	-0.176995000	0.437710000	-1.476683000
6	-1.245167000	-0.141737000	-2.320055000
1	-0.851922000	-0.992743000	-2.895657000
1	-1.596684000	0.599823000	-3.056218000
6	0.894158000	0.982576000	-2.340065000
1	0.473414000	1.718648000	-3.045995000
1	1.335654000	0.180799000	-2.949773000
6	-2.869745000	-1.023239000	1.405783000
1	-2.651668000	0.048626000	1.495461000
6	4.020785000	-0.299113000	-0.483615000
1	4.790675000	0.452987000	-0.273090000
6	1.972858000	1.656245000	-1.488061000
1	1.582618000	2.573577000	-1.036943000
1	2.847177000	1.932207000	-2.083065000
6	2.735867000	1.716288000	1.326343000
1	1.763673000	2.218420000	1.433387000
6	-2.421088000	-0.593320000	-1.449733000
1	-3.161152000	-1.158082000	-2.021409000
1	-2.932739000	0.280626000	-1.038166000
6	-1.211900000	-4.235537000	0.607410000
1	-0.160063000	-4.167437000	0.316849000
1	-1.521436000	-5.282291000	0.508644000
1	-1.282201000	-3.963435000	1.662668000
6	-1.918106000	-3.758577000	-1.773796000
1	-2.610028000	-3.233759000	-2.437601000
1	-2.116613000	-4.831709000	-1.875857000
1	-0.898770000	-3.577337000	-2.124700000
6	-2.091038000	-3.353062000	-0.298630000
1	-3.142105000	-3.505163000	-0.025019000
6	1.080657000	-2.080265000	-0.871042000
6	0.881676000	-1.570780000	1.584338000
6	-2.504599000	-1.683616000	2.744673000
1	-2.772422000	-2.745205000	2.750895000
1	-3.065485000	-1.201392000	3.553121000
1	-1.439913000	-1.595172000	2.973312000
6	-4.367388000	-1.190915000	1.099515000
1	-4.669376000	-0.690190000	0.174968000
1	-4.956753000	-0.759439000	1.916894000
1	-4.643846000	-2.247521000	1.019265000

6	3.791659000	2.781654000	0.983811000
1	4.793618000	2.348077000	0.886749000
1	3.832832000	3.520539000	1.792952000
1	3.563132000	3.321429000	0.059870000
6	4.135626000	-0.696403000	-1.966126000
1	3.369553000	-1.422772000	-2.249949000
1	5.112738000	-1.162577000	-2.139001000
1	4.060257000	0.163666000	-2.637026000
6	4.260779000	-1.518748000	0.424930000
1	4.165297000	-1.278705000	1.486146000
1	5.271591000	-1.908592000	0.257787000
1	3.550824000	-2.319407000	0.200218000
6	3.073084000	1.024805000	2.656982000
1	2.353992000	0.244044000	2.916216000
1	3.063239000	1.769279000	3.461683000
1	4.073329000	0.578329000	2.641007000
1	-0.733100000	1.619644000	-0.961632000
1	-1.166767000	1.704781000	1.302179000
7	-1.159985000	2.712010000	-0.594995000
1	-0.507885000	3.433820000	-0.901800000
6	-2.549709000	3.049552000	-1.009019000
1	-2.913557000	2.306670000	-1.725043000
6	-2.630556000	4.443168000	-1.630219000
1	-2.319323000	5.202416000	-0.905239000
1	-1.986795000	4.516770000	-2.513530000
1	-3.657804000	4.659146000	-1.940510000
6	-3.303878000	2.948691000	0.336174000
1	-4.190538000	3.587070000	0.368231000
1	-3.616088000	1.910304000	0.530692000
6	-1.070313000	2.775171000	0.996484000
8	-2.373844000	3.396574000	1.304915000
8	-0.047014000	3.413511000	1.425645000

-2062.145129

10 (Singlet)

25	0.150076000	-0.720492000	-0.089071000
15	2.422029000	-0.392789000	0.078111000
15	-2.088834000	-1.103463000	0.292002000
8	0.456681000	-3.186069000	-1.661973000
8	-0.196201000	0.897014000	-2.505090000
7	0.145631000	-0.146538000	1.729656000
6	1.339000000	0.160563000	2.540127000
1	1.586621000	-0.702711000	3.177501000
1	1.121765000	0.988054000	3.234568000
6	-1.022163000	-0.140484000	2.630066000

1	-0.996039000	0.751844000	3.276397000
1	-0.965759000	-1.000453000	3.316023000
6	3.321382000	0.733306000	-1.121196000
1	2.741126000	1.660132000	-1.013890000
6	-2.620291000	-2.850602000	0.740513000
1	-3.576146000	-2.738697000	1.268120000
6	-2.341299000	-0.152937000	1.858517000
1	-2.597203000	0.868750000	1.557596000
1	-3.165212000	-0.545488000	2.462911000
6	-3.427662000	-0.409934000	-0.823316000
1	-3.234443000	0.668324000	-0.766522000
6	2.533479000	0.548086000	1.669109000
1	3.486371000	0.386771000	2.182881000
1	2.468794000	1.609603000	1.406795000
6	3.885890000	-2.656538000	-0.895534000
1	2.989335000	-2.986424000	-1.427294000
1	4.461408000	-3.550379000	-0.627528000
1	4.497575000	-2.070216000	-1.583896000
6	2.890272000	-2.803071000	1.425859000
1	2.740300000	-2.306734000	2.387971000
1	3.535132000	-3.672322000	1.598200000
1	1.916972000	-3.163863000	1.078320000
6	3.536969000	-1.874795000	0.381640000
1	4.463532000	-1.466108000	0.805477000
6	0.330819000	-2.193530000	-1.048261000
6	-0.054475000	0.210523000	-1.559809000
6	3.221727000	0.298432000	-2.594004000
1	3.885048000	-0.541100000	-2.814126000
1	3.524815000	1.131477000	-3.238551000
1	2.206826000	0.011419000	-2.873843000
6	4.777177000	1.025265000	-0.722154000
1	4.862299000	1.386844000	0.307217000
1	5.195186000	1.794824000	-1.381669000
1	5.402758000	0.131924000	-0.822178000
6	-4.853351000	-0.652078000	-0.298965000
1	-5.126602000	-1.711311000	-0.344518000
1	-5.570338000	-0.099808000	-0.917489000
1	-4.977397000	-0.312685000	0.734241000
6	-1.602868000	-3.485932000	1.704689000
1	-0.616345000	-3.563136000	1.237378000
1	-1.931747000	-4.496304000	1.973976000
1	-1.492370000	-2.916360000	2.630515000
6	-2.839580000	-3.758271000	-0.481662000
1	-3.680963000	-3.431468000	-1.095716000
1	-3.060675000	-4.776723000	-0.141000000
1	-1.950275000	-3.806583000	-1.115958000

6	-3.290872000	-0.816809000	-2.300877000
1	-2.276334000	-0.668949000	-2.676152000
1	-3.965297000	-0.200637000	-2.906902000
1	-3.565405000	-1.861580000	-2.465865000
1	-0.108979000	2.035840000	1.357797000
1	-1.556587000	2.152767000	-0.633032000
7	-0.396856000	2.995378000	1.561941000
1	-0.352857000	3.120992000	2.569049000
6	0.453063000	3.977672000	0.881356000
1	1.530119000	3.801924000	1.057098000
6	0.109608000	5.388745000	1.363875000
1	-0.942188000	5.615460000	1.162716000
1	0.281962000	5.477129000	2.442422000
1	0.732464000	6.134600000	0.858894000
6	0.268328000	3.827632000	-0.631211000
1	0.884343000	4.548247000	-1.171854000
1	0.538684000	2.819955000	-0.960526000
6	-1.989539000	3.124531000	-0.900386000
8	-1.096053000	4.114086000	-1.034637000
8	-3.175577000	3.301059000	-1.096036000

-2062.171121

10 (Triplet)

25	0.079889000	-0.842584000	-0.137896000
15	2.432303000	-0.646335000	-0.049694000
15	-2.260973000	-0.921951000	0.149958000
8	0.207184000	-3.842027000	-0.407178000
8	-0.063139000	0.974723000	-2.523388000
7	0.115235000	-0.020203000	1.667985000
6	1.343157000	-0.034356000	2.449846000
1	1.493110000	-1.005103000	2.955276000
1	1.298764000	0.721909000	3.255148000
6	-1.067214000	-0.039552000	2.516105000
1	-1.027687000	0.780491000	3.257072000
1	-1.123203000	-0.970279000	3.107316000
6	3.299451000	0.491789000	-1.261475000
1	2.679508000	1.394265000	-1.181868000
6	-3.156695000	-2.496899000	0.639932000
1	-4.156688000	-2.162594000	0.944216000
6	-2.343335000	0.134466000	1.680625000
1	-2.411136000	1.171924000	1.337256000
1	-3.243771000	-0.087558000	2.263316000
6	-3.381533000	-0.035686000	-1.062493000
1	-2.974211000	0.981004000	-1.044160000
6	2.547842000	0.290241000	1.557011000

1	3.499611000	0.092003000	2.060576000
1	2.526506000	1.352022000	1.291386000
6	3.605014000	-3.059952000	-1.016701000
1	2.619146000	-3.471908000	-1.245756000
1	4.275431000	-3.900375000	-0.802413000
1	3.981493000	-2.560468000	-1.911011000
6	3.172482000	-2.901747000	1.477230000
1	3.292573000	-2.299948000	2.381743000
1	3.822748000	-3.778216000	1.576185000
1	2.138482000	-3.254531000	1.436854000
6	3.557504000	-2.125301000	0.204495000
1	4.556760000	-1.698388000	0.357246000
6	0.164205000	-2.674924000	-0.340471000
6	-0.014879000	0.220030000	-1.627693000
6	3.236832000	0.011994000	-2.722297000
1	3.981152000	-0.764797000	-2.917768000
1	3.458694000	0.851765000	-3.390305000
1	2.253332000	-0.380774000	-2.991119000
6	4.737627000	0.857756000	-0.859953000
1	4.803797000	1.232712000	0.165655000
1	5.114667000	1.641677000	-1.526827000
1	5.408858000	-0.002239000	-0.954794000
6	-4.849446000	0.042717000	-0.612748000
1	-5.335772000	-0.937593000	-0.656437000
1	-5.399122000	0.712740000	-1.283630000
1	-4.953296000	0.434019000	0.404193000
6	-2.499240000	-3.170473000	1.857735000
1	-1.457525000	-3.439362000	1.663116000
1	-3.044298000	-4.090764000	2.097199000
1	-2.527871000	-2.532577000	2.744573000
6	-3.308876000	-3.484483000	-0.529282000
1	-3.924421000	-3.078538000	-1.334514000
1	-3.798852000	-4.397381000	-0.171103000
1	-2.340301000	-3.769747000	-0.948307000
6	-3.263011000	-0.551860000	-2.507422000
1	-2.223364000	-0.696969000	-2.810051000
1	-3.714944000	0.177888000	-3.188743000
1	-3.791606000	-1.498745000	-2.644547000
1	0.079756000	2.057772000	1.500873000
1	-1.278298000	2.303370000	-0.521907000
7	-0.106783000	3.050316000	1.693643000
1	-0.065560000	3.179525000	2.700432000
6	0.844590000	3.939515000	1.022138000
1	1.897303000	3.655209000	1.204835000
6	0.645728000	5.379732000	1.501901000
1	-0.375166000	5.713164000	1.291557000

1	0.816106000	5.450305000	2.581774000
1	1.346214000	6.057769000	1.003236000
6	0.658062000	3.813488000	-0.493097000
1	1.341709000	4.473996000	-1.028724000
1	0.829788000	2.785140000	-0.825412000
6	-1.640017000	3.307700000	-0.775155000
8	-0.672136000	4.224250000	-0.901690000
8	-2.809938000	3.574444000	-0.965119000

-2062.137400

11

1	-1.032846000	1.983562000	-0.922523000
1	1.556181000	0.989139000	-0.870942000
7	-1.036794000	1.449368000	-0.056301000
1	-1.694259000	1.909525000	0.568026000
6	-1.443599000	0.056535000	-0.299587000
1	-2.308251000	-0.014456000	-0.981282000
6	-1.812982000	-0.616374000	1.024128000
1	-0.972333000	-0.576819000	1.722935000
1	-2.670541000	-0.113248000	1.483263000
1	-2.082236000	-1.664826000	0.862571000
6	-0.302708000	-0.675160000	-1.012704000
1	-0.593427000	-1.696962000	-1.262198000
1	-0.020697000	-0.155900000	-1.936336000
6	1.729735000	0.207998000	-0.116630000
8	0.858602000	-0.809356000	-0.156259000
8	2.648060000	0.228907000	0.676178000

-362.987243

12 (Singlet)

25	0.000011000	0.142833000	-0.214277000
15	-2.262859000	-0.139119000	-0.242054000
15	2.262914000	-0.138700000	-0.242353000
8	-0.000071000	1.183490000	2.543048000
8	-0.000430000	2.778429000	-1.480337000
7	0.000117000	-1.364924000	-1.369939000
6	-1.190293000	-2.071857000	-1.874499000
1	-1.286934000	-3.044533000	-1.363697000
1	-1.060339000	-2.311555000	-2.942475000
6	1.190622000	-2.071064000	-1.875384000
1	1.060331000	-2.310109000	-2.943467000
1	1.287837000	-3.044034000	-1.365260000
6	-3.392754000	1.301426000	-0.637533000
1	-3.036670000	1.582920000	-1.638275000

6	3.070939000	-1.093552000	1.159667000
1	4.044256000	-1.423741000	0.773434000
6	2.475050000	-1.253478000	-1.704448000
1	2.615593000	-0.596819000	-2.569990000
1	3.359628000	-1.893423000	-1.621316000
6	3.392942000	1.302006000	-0.636919000
1	3.037610000	1.583704000	-1.637849000
6	-2.474950000	-1.254639000	-1.703605000
1	-3.359303000	-1.894836000	-1.619977000
1	-2.615919000	-0.598426000	-2.569420000
6	-3.304412000	-0.248054000	2.423517000
1	-2.374917000	0.199511000	2.787083000
1	-3.701085000	-0.887845000	3.220852000
1	-4.028281000	0.553315000	2.259541000
6	-2.227401000	-2.335947000	1.495839000
1	-2.108833000	-3.002787000	0.637940000
1	-2.709696000	-2.906328000	2.298107000
1	-1.228125000	-2.045040000	1.836423000
6	-3.070837000	-1.093318000	1.160414000
1	-4.043832000	-1.424353000	0.774115000
6	0.000003000	0.778061000	1.439302000
6	-0.000250000	1.746866000	-0.915481000
6	-3.176266000	2.518269000	0.278779000
1	-3.575707000	2.350977000	1.282251000
1	-3.695776000	3.387637000	-0.140776000
1	-2.117376000	2.770414000	0.373915000
6	-4.878332000	0.920325000	-0.742315000
1	-5.042099000	0.083700000	-1.429476000
1	-5.456871000	1.774738000	-1.112990000
1	-5.290346000	0.643363000	0.233815000
6	4.878599000	0.921026000	-0.740721000
1	5.290133000	0.644458000	0.235698000
1	5.457234000	1.775385000	-1.111366000
1	5.042848000	0.084177000	-1.427491000
6	2.228144000	-2.336966000	1.493848000
1	1.228249000	-2.047080000	1.833508000
1	2.710120000	-2.907238000	2.296392000
1	2.111054000	-3.003591000	0.635577000
6	3.303673000	-0.249086000	2.423473000
1	4.027369000	0.552632000	2.260376000
1	3.700218000	-0.889312000	3.220519000
1	2.373894000	0.197945000	2.786968000
6	3.175711000	2.518623000	0.279497000
1	2.116860000	2.772215000	0.371776000
1	3.697715000	3.387504000	-0.138169000
1	3.572105000	2.350176000	1.284050000

-1699.196572

12 (Triplet)

25	-0.011983000	0.518847000	-0.479789000
15	-2.203965000	-0.232833000	-0.177675000
15	2.209617000	-0.100166000	-0.089392000
8	-0.118613000	2.169938000	2.001152000
8	-0.046971000	3.219049000	-1.879665000
7	0.063956000	-1.013745000	-1.741595000
6	-1.070254000	-1.823063000	-2.155594000
1	-0.996613000	-2.843900000	-1.728993000
1	-1.072384000	-1.971903000	-3.253851000
6	1.297147000	-1.612018000	-2.227861000
1	1.311558000	-1.659284000	-3.335480000
1	1.375215000	-2.664628000	-1.893024000
6	-3.609830000	1.013705000	-0.280062000
1	-3.529209000	1.350427000	-1.322500000
6	2.639509000	-1.356502000	1.237779000
1	3.716380000	-1.258846000	1.423312000
6	2.538968000	-0.843141000	-1.756723000
1	2.721881000	0.018845000	-2.408941000
1	3.437883000	-1.467333000	-1.774386000
6	3.528706000	1.227609000	0.045498000
1	3.206151000	1.950489000	-0.715890000
6	-2.411752000	-1.195575000	-1.751428000
1	-3.206616000	-1.945680000	-1.672914000
1	-2.721016000	-0.461774000	-2.503644000
6	-2.573799000	-0.715113000	2.572785000
1	-1.571331000	-0.310223000	2.747123000
1	-2.791213000	-1.435123000	3.370243000
1	-3.289688000	0.105705000	2.665618000
6	-1.761860000	-2.660914000	1.173918000
1	-1.878073000	-3.230686000	0.248215000
1	-2.022451000	-3.321677000	2.008846000
1	-0.707922000	-2.389007000	1.273767000
6	-2.656276000	-1.412392000	1.204976000
1	-3.691691000	-1.725092000	1.022087000
6	-0.078685000	1.523032000	1.022464000
6	-0.035857000	2.156673000	-1.403711000
6	-3.393282000	2.249225000	0.608532000
1	-3.416468000	2.001289000	1.673652000
1	-4.189912000	2.979033000	0.421476000
1	-2.435234000	2.729391000	0.395804000
6	-5.006590000	0.404729000	-0.078357000
1	-5.171699000	-0.473308000	-0.711425000

1	-5.774189000	1.146166000	-0.329047000
1	-5.165704000	0.108377000	0.964033000
6	4.948018000	0.749221000	-0.303475000
1	5.306643000	-0.002872000	0.408410000
1	5.642545000	1.596785000	-0.259756000
1	5.009316000	0.323291000	-1.308826000
6	2.353446000	-2.799105000	0.790839000
1	1.305143000	-2.927535000	0.504808000
1	2.562620000	-3.487305000	1.617984000
1	2.974815000	-3.098691000	-0.057647000
6	1.878828000	-1.024536000	2.534345000
1	2.092059000	-0.017145000	2.900602000
1	2.155137000	-1.736179000	3.321174000
1	0.798476000	-1.090970000	2.373695000
6	3.506895000	1.930614000	1.412346000
1	2.505461000	2.271047000	1.686994000
1	4.167616000	2.804813000	1.388052000
1	3.874308000	1.266941000	2.202794000

-1699.161504

13

25	-0.000006000	0.125480000	-0.016346000
15	-2.286408000	0.045616000	-0.341270000
15	2.286411000	0.045515000	-0.341132000
8	0.000130000	-2.120227000	1.863752000
8	-0.000057000	2.036802000	2.230165000
7	0.000081000	-1.181440000	-1.665471000
6	-1.194056000	-2.002267000	-1.786398000
1	-1.284172000	-2.754504000	-0.972529000
1	-1.172369000	-2.582700000	-2.727942000
6	1.193987000	-2.002690000	-1.785829000
1	1.172404000	-2.583347000	-2.727236000
1	1.283636000	-2.754759000	-0.971750000
6	-3.102165000	1.612445000	-0.985012000
1	-2.465399000	1.852186000	-1.847504000
6	3.431662000	-0.591310000	1.005355000
1	4.441038000	-0.271008000	0.720760000
6	2.440324000	-1.111875000	-1.786782000
1	2.434324000	-0.487293000	-2.687428000
1	3.373428000	-1.682798000	-1.778354000
6	3.102146000	1.612039000	-0.985605000
1	2.465144000	1.851681000	-1.847947000
6	-2.440127000	-1.111072000	-1.787492000
1	-3.373405000	-1.681730000	-1.779667000
1	-2.433604000	-0.486113000	-2.687875000

6	-3.081294000	0.037974000	2.364828000
1	-2.100032000	-0.300590000	2.710617000
1	-3.824784000	-0.262543000	3.112491000
1	-3.060985000	1.129918000	2.332699000
6	-3.435763000	-2.128010000	1.111046000
1	-3.763108000	-2.610644000	0.186662000
1	-4.128776000	-2.430687000	1.905069000
1	-2.447574000	-2.517637000	1.368124000
6	-3.431796000	-0.592254000	1.004593000
1	-4.441252000	-0.272579000	0.719581000
6	0.000031000	-1.217358000	1.119501000
6	-0.000032000	1.305352000	1.313169000
6	-3.023805000	2.788614000	0.000947000
1	-3.693565000	2.637990000	0.853977000
1	-3.338149000	3.711767000	-0.499788000
1	-2.011180000	2.938958000	0.384632000
6	-4.540046000	1.412022000	-1.492381000
1	-4.620278000	0.584959000	-2.204324000
1	-4.882664000	2.322610000	-1.998213000
1	-5.232851000	1.219064000	-0.666204000
6	4.539834000	1.411274000	-1.493394000
1	5.232837000	1.217999000	-0.667455000
1	4.882564000	2.321833000	-1.999205000
1	4.619628000	0.584292000	-2.205483000
6	3.436584000	-2.127035000	1.112181000
1	2.448377000	-2.517276000	1.368280000
1	4.128941000	-2.429053000	1.907026000
1	3.765274000	-2.609655000	0.188265000
6	3.080116000	0.039001000	2.365292000
1	3.058539000	1.130911000	2.332807000
1	3.823759000	-0.260421000	3.113239000
1	2.099158000	-0.300563000	2.710950000
6	3.024278000	2.788370000	0.000193000
1	2.011785000	2.938923000	0.384165000
1	3.338623000	3.711404000	-0.500758000
1	3.694275000	2.637732000	0.853039000
1	0.000050000	1.640145000	-1.039181000
1	0.000030000	1.057726000	-1.557160000

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TS5

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15	2.285382000	0.041078000	-0.322740000
8	-0.000002000	-2.011111000	2.051630000

8	0.000003000	2.233726000	2.017705000
7	-0.000003000	-1.215155000	-1.690425000
6	-1.209947000	-2.010325000	-1.809315000
1	-1.283778000	-2.754564000	-0.991388000
1	-1.204375000	-2.584292000	-2.753436000
6	1.209945000	-2.010319000	-1.809322000
1	1.204373000	-2.584284000	-2.753444000
1	1.283784000	-2.754559000	-0.991397000
6	-3.100203000	1.605104000	-0.975634000
1	-2.450214000	1.843842000	-1.828367000
6	3.442348000	-0.610714000	1.004664000
1	4.454041000	-0.320637000	0.696659000
6	2.443268000	-1.102817000	-1.785617000
1	2.442746000	-0.469506000	-2.680175000
1	3.377129000	-1.671948000	-1.781130000
6	3.100205000	1.605109000	-0.975621000
1	2.450205000	1.843870000	-1.828337000
6	-2.443275000	-1.102831000	-1.785608000
1	-3.377133000	-1.671967000	-1.781109000
1	-2.442765000	-0.469526000	-2.680171000
6	-3.133246000	0.042941000	2.364170000
1	-2.143401000	-0.252996000	2.724088000
1	-3.872950000	-0.281395000	3.105632000
1	-3.158508000	1.134507000	2.322755000
6	-3.405008000	-2.144803000	1.123923000
1	-3.700289000	-2.643344000	0.196917000
1	-4.104656000	-2.461950000	1.906333000
1	-2.411388000	-2.503967000	1.403666000
6	-3.442350000	-0.610704000	1.004671000
1	-4.454044000	-0.320629000	0.696666000
6	-0.000002000	-1.164150000	1.241810000
6	0.000001000	1.392500000	1.200524000
6	-3.042007000	2.787892000	0.003416000
1	-3.721310000	2.639413000	0.849243000
1	-3.358743000	3.703899000	-0.509098000
1	-2.035788000	2.950351000	0.396011000
6	-4.532005000	1.398004000	-1.498336000
1	-4.604541000	0.570363000	-2.210329000
1	-4.871772000	2.307120000	-2.008761000
1	-5.232880000	1.204760000	-0.678972000
6	4.531996000	1.398005000	-1.498349000
1	5.232879000	1.204722000	-0.679004000
1	4.871769000	2.307133000	-2.008748000
1	4.604508000	0.570389000	-2.210373000
6	3.405005000	-2.144814000	1.123904000
1	2.411387000	-2.503978000	1.403650000

1	4.104658000	-2.461968000	1.906307000
1	3.700279000	-2.643347000	0.196892000
6	3.133248000	0.042919000	2.364170000
1	3.158507000	1.134486000	2.322764000
1	3.872955000	-0.281421000	3.105626000
1	2.143406000	-0.253024000	2.724088000
6	3.042037000	2.787879000	0.003451000
1	2.035828000	2.950333000	0.396074000
1	3.358763000	3.703894000	-0.509054000
1	3.721359000	2.639384000	0.849259000
1	-0.000007000	1.142518000	-1.382040000
1	-0.000006000	0.279778000	-1.724408000

-1700.338906

14

25	0.829957000	0.660049000	0.087494000
15	2.156354000	-1.192903000	-0.008312000
15	-1.030283000	1.960164000	0.010630000
8	2.608793000	2.481001000	-1.404212000
8	1.832877000	1.658804000	2.654146000
7	-0.101780000	-0.272415000	-1.645929000
6	0.853596000	-1.073650000	-2.443083000
1	1.589793000	-0.385088000	-2.869479000
1	0.337590000	-1.580343000	-3.272217000
6	-0.885739000	0.692303000	-2.447267000
1	-1.387444000	0.187776000	-3.286650000
1	-0.187884000	1.426556000	-2.861552000
6	1.959987000	-2.507423000	1.318042000
1	0.883147000	-2.698629000	1.253069000
6	-0.928644000	3.829374000	-0.189037000
1	-1.935444000	4.227720000	-0.013204000
6	-1.909614000	1.367222000	-1.532977000
1	-2.656374000	0.632049000	-1.215683000
1	-2.449782000	2.161690000	-2.053930000
6	-2.357125000	1.678942000	1.313193000
1	-2.478560000	0.590678000	1.237317000
6	1.517715000	-2.094587000	-1.517370000
1	2.295974000	-2.658530000	-2.038745000
1	0.766224000	-2.810671000	-1.166340000
6	4.635567000	-0.077061000	0.728329000
1	4.224210000	0.929314000	0.602806000
1	5.720794000	-0.023082000	0.578727000
1	4.457191000	-0.382197000	1.762488000
6	4.358413000	-0.602413000	-1.723738000
1	4.007592000	-1.309803000	-2.480771000

1	5.447709000	-0.527511000	-1.828202000
1	3.937000000	0.380458000	-1.949893000
6	4.012749000	-1.047390000	-0.291243000
1	4.437211000	-2.046628000	-0.135779000
6	1.882029000	1.733180000	-0.850962000
6	1.438069000	1.264415000	1.616918000
6	2.258337000	-1.993141000	2.734284000
1	3.330435000	-1.834170000	2.891867000
1	1.930284000	-2.736410000	3.471460000
1	1.737101000	-1.055567000	2.941023000
6	2.701062000	-3.824679000	1.039585000
1	2.497080000	-4.216541000	0.037824000
1	2.382023000	-4.585525000	1.762597000
1	3.785584000	-3.710350000	1.146614000
6	-3.708691000	2.354051000	1.033035000
1	-3.645203000	3.441063000	1.151871000
1	-4.458091000	1.992596000	1.747928000
1	-4.084775000	2.146206000	0.026153000
6	-0.489257000	4.242560000	-1.605540000
1	0.494186000	3.833857000	-1.852341000
1	-0.417123000	5.335557000	-1.659284000
1	-1.197439000	3.926017000	-2.376636000
6	0.035387000	4.423376000	0.853772000
1	-0.248734000	4.178541000	1.880113000
1	0.055008000	5.516111000	0.763505000
1	1.051279000	4.049699000	0.692640000
6	-1.873798000	1.978945000	2.739934000
1	-0.905745000	1.515047000	2.942452000
1	-2.599516000	1.590526000	3.464720000
1	-1.786116000	3.056207000	2.916105000
1	-0.767052000	-0.933742000	-1.245928000
1	-0.129236000	-0.319614000	0.943337000
7	-3.244269000	-2.792209000	0.775359000
1	-3.172745000	-2.862875000	1.780989000
6	-4.159058000	-1.860995000	0.110049000
1	-3.930494000	-0.831608000	0.416924000
6	-5.629968000	-2.156203000	0.372724000
1	-5.874873000	-3.184619000	0.089074000
1	-5.868070000	-2.017415000	1.431730000
1	-6.257292000	-1.470542000	-0.206289000
6	-3.718068000	-2.093239000	-1.346750000
1	-4.307024000	-2.884713000	-1.822180000
1	-3.736196000	-1.196304000	-1.965026000
6	-2.144632000	-3.057452000	0.017800000
8	-2.343740000	-2.554279000	-1.244194000
8	-1.122148000	-3.644246000	0.326821000

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TS6

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8	-0.892883000	-3.365717000	-0.351664000
8	-0.321066000	-1.050780000	3.030698000
7	0.002699000	0.089514000	-1.901756000
6	-1.271288000	0.053091000	-2.671550000
1	-1.517550000	-0.999067000	-2.839830000
1	-1.130244000	0.524576000	-3.653721000
6	1.104473000	-0.567941000	-2.654851000
1	1.216153000	-0.108686000	-3.646269000
1	0.809741000	-1.611400000	-2.801019000
6	-3.182157000	1.449653000	0.846297000
1	-2.382348000	2.193127000	0.881694000
6	2.759093000	-2.758761000	0.010537000
1	3.849888000	-2.662265000	0.010688000
6	2.418496000	-0.486734000	-1.877924000
1	2.782532000	0.545266000	-1.866703000
1	3.191155000	-1.091643000	-2.359485000
6	3.344534000	0.043775000	0.834073000
1	3.167361000	1.030233000	0.395962000
6	-2.374603000	0.763367000	-1.889890000
1	-3.335992000	0.679170000	-2.403602000
1	-2.128089000	1.823867000	-1.789424000
6	-3.647665000	-2.159914000	1.085713000
1	-3.679496000	-3.215582000	0.799287000
1	-4.473597000	-1.975979000	1.777998000
1	-2.717859000	-2.009396000	1.639415000
6	-3.807770000	-2.079960000	-1.467190000
1	-3.962309000	-1.459522000	-2.354415000
1	-4.653725000	-2.774429000	-1.405917000
1	-2.905796000	-2.678059000	-1.613345000
6	-3.751032000	-1.250839000	-0.170197000
1	-4.689790000	-0.689159000	-0.116490000
6	-0.596991000	-2.243961000	-0.190787000
6	-0.258283000	-0.862391000	1.880695000
6	-3.449581000	1.002336000	2.291800000
1	-4.275274000	0.284995000	2.350571000
1	-3.727751000	1.874779000	2.894145000
1	-2.563949000	0.553499000	2.747946000
6	-4.436207000	2.073713000	0.213081000
1	-4.249963000	2.459281000	-0.793810000

1	-4.766757000	2.917348000	0.831107000
1	-5.272291000	1.366946000	0.158017000
6	4.818278000	-0.312673000	0.582994000
1	5.098457000	-1.243966000	1.085689000
1	5.456759000	0.481075000	0.987398000
1	5.048396000	-0.414753000	-0.482666000
6	2.379302000	-3.642234000	-1.191017000
1	1.300608000	-3.781568000	-1.278589000
1	2.828807000	-4.633082000	-1.057295000
1	2.754324000	-3.242699000	-2.137250000
6	2.323847000	-3.405884000	1.336899000
1	2.639196000	-2.824705000	2.207466000
1	2.769534000	-4.403341000	1.424541000
1	1.237232000	-3.517591000	1.383955000
6	3.032232000	0.137657000	2.335931000
1	2.002029000	0.453236000	2.519003000
1	3.701908000	0.867885000	2.805495000
1	3.186906000	-0.818407000	2.844933000
1	0.229104000	1.079901000	-1.769845000
1	0.357835000	1.203482000	0.580575000
7	1.558323000	3.033408000	0.776372000
1	2.233534000	2.575751000	1.375901000
6	1.959450000	3.278885000	-0.599364000
1	2.289567000	2.359795000	-1.114856000
6	3.060359000	4.325261000	-0.726169000
1	2.755620000	5.261574000	-0.246912000
1	3.982994000	3.977771000	-0.248950000
1	3.281195000	4.523638000	-1.781072000
6	0.601262000	3.696967000	-1.172214000
1	0.405204000	4.756583000	-0.949875000
1	0.525727000	3.540844000	-2.254437000
6	0.233907000	2.414245000	0.819260000
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8	-0.473058000	2.595964000	1.853454000

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15

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15	-1.143332000	1.941082000	-0.110179000
8	2.642519000	2.643291000	-0.948595000
8	1.508680000	1.541059000	2.795018000
7	0.132159000	-0.047570000	-1.830126000
6	1.209104000	-0.751842000	-2.580319000
1	1.964038000	-0.004710000	-2.844162000

1	0.804819000	-1.166949000	-3.513470000
6	-0.488278000	1.035372000	-2.643853000
1	-0.831206000	0.633654000	-3.606593000
1	0.286470000	1.780323000	-2.848878000
6	1.865272000	-2.564801000	1.117686000
1	0.886669000	-2.891336000	0.737595000
6	-1.214884000	3.789983000	0.128529000
1	-2.243747000	4.073644000	-0.126791000
6	-1.659705000	1.662578000	-1.883335000
1	-2.508775000	0.974296000	-1.880621000
1	-1.983296000	2.590105000	-2.363469000
6	-2.559250000	1.190864000	0.855211000
1	-2.677460000	0.244929000	0.318454000
6	1.801849000	-1.865215000	-1.715192000
1	2.653980000	-2.339989000	-2.209833000
1	1.030540000	-2.620094000	-1.520520000
6	4.534062000	-0.099009000	1.180171000
1	4.111845000	0.910938000	1.169111000
1	5.626188000	-0.007289000	1.189722000
1	4.232964000	-0.579700000	2.114771000
6	4.594237000	-0.230319000	-1.350601000
1	4.337164000	-0.805704000	-2.244324000
1	5.687389000	-0.156926000	-1.312279000
1	4.200469000	0.781626000	-1.467902000
6	4.090291000	-0.895396000	-0.057962000
1	4.524804000	-1.900495000	-0.006998000
6	1.890634000	1.846948000	-0.537280000
6	1.203477000	1.166193000	1.733580000
6	1.693568000	-2.124771000	2.579157000
1	2.625017000	-1.755637000	3.021115000
1	1.363125000	-2.981840000	3.177975000
1	0.938097000	-1.340256000	2.675366000
6	2.840161000	-3.745803000	0.988236000
1	2.980393000	-4.055206000	-0.052980000
1	2.441483000	-4.606952000	1.537382000
1	3.823524000	-3.513049000	1.412502000
6	-3.872690000	1.979847000	0.763897000
1	-3.819472000	2.919116000	1.324509000
1	-4.687824000	1.384715000	1.191801000
1	-4.141965000	2.215197000	-0.271276000
6	-0.257785000	4.518515000	-0.829705000
1	0.785649000	4.333639000	-0.564115000
1	-0.434377000	5.597930000	-0.764607000
1	-0.398635000	4.224898000	-1.874606000
6	-0.934501000	4.186060000	1.587183000
1	-1.678450000	3.781776000	2.278022000

1	-0.956034000	5.277667000	1.681144000
1	0.053577000	3.841641000	1.909672000
6	-2.187363000	0.835179000	2.303485000
1	-1.302145000	0.192746000	2.339006000
1	-3.016102000	0.286128000	2.765589000
1	-1.990963000	1.718947000	2.917459000
1	-0.621818000	-0.730132000	-1.646812000
1	-1.304759000	-1.809492000	0.662056000
7	-2.948579000	-3.181958000	0.419842000
1	-2.838568000	-3.445492000	1.396715000
6	-4.030504000	-2.217426000	0.227053000
1	-3.972358000	-1.379027000	0.945203000
6	-5.417604000	-2.843692000	0.325886000
1	-5.511460000	-3.677849000	-0.378419000
1	-5.603149000	-3.224906000	1.336277000
1	-6.193776000	-2.102723000	0.099333000
6	-3.670565000	-1.692841000	-1.169343000
1	-4.048298000	-2.381956000	-1.941347000
1	-4.092136000	-0.697067000	-1.361751000
6	-1.679627000	-2.573922000	-0.073438000
8	-2.249204000	-1.641587000	-1.188963000
8	-0.775269000	-3.389753000	-0.504183000

-2062.152342

16

25	0.138007000	-0.745274000	-0.107071000
15	2.411415000	-0.338587000	0.233992000
15	-2.189896000	-0.848237000	0.029590000
8	0.484560000	-3.610813000	-0.512033000
8	0.192906000	-0.248891000	-3.018677000
7	0.034989000	-0.374005000	1.795990000
6	1.192736000	-0.642603000	2.673685000
1	1.292989000	-1.727555000	2.837132000
1	1.030912000	-0.189983000	3.664973000
6	-1.196255000	-0.560724000	2.580409000
1	-1.170801000	0.079622000	3.478122000
1	-1.255068000	-1.597370000	2.949288000
6	3.147339000	1.270649000	-0.405508000
1	2.410042000	1.998598000	-0.042763000
6	-3.079385000	-2.503283000	-0.003741000
1	-4.144445000	-2.263457000	0.103297000
6	-2.440702000	-0.222431000	1.760449000
1	-2.553528000	0.863785000	1.689727000
1	-3.352709000	-0.613964000	2.221464000
6	-3.281194000	0.313786000	-0.976225000

1	-2.767201000	1.272282000	-0.846637000
6	2.475138000	-0.070044000	2.071492000
1	3.373327000	-0.495640000	2.525791000
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6	3.566653000	-2.156772000	-1.595855000
1	2.612431000	-2.662892000	-1.761984000
1	4.368615000	-2.874069000	-1.806455000
1	3.646009000	-1.346097000	-2.323126000
6	3.596609000	-2.845463000	0.841395000
1	3.806128000	-2.548215000	1.872496000
1	4.337183000	-3.604233000	0.562314000
1	2.612359000	-3.319486000	0.815015000
6	3.685698000	-1.663581000	-0.141985000
1	4.665085000	-1.187068000	-0.012438000
6	0.342438000	-2.451591000	-0.386586000
6	0.175487000	-0.430317000	-1.859808000
6	3.216750000	1.370120000	-1.936706000
1	4.029555000	0.754814000	-2.335729000
1	3.411226000	2.408362000	-2.223029000
1	2.287213000	1.068123000	-2.420851000
6	4.511982000	1.619274000	0.214148000
1	4.504845000	1.588250000	1.307228000
1	4.797290000	2.634549000	-0.086251000
1	5.296754000	0.942774000	-0.141213000
6	-4.711151000	0.464104000	-0.429231000
1	-5.286589000	-0.458926000	-0.556922000
1	-5.231346000	1.252980000	-0.985199000
1	-4.733907000	0.736889000	0.629310000
6	-2.669776000	-3.391578000	1.184560000
1	-1.592761000	-3.581514000	1.191860000
1	-3.177426000	-4.359878000	1.104482000
1	-2.949599000	-2.954264000	2.146221000
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6	-3.310238000	0.021155000	-2.486326000
1	-2.318677000	-0.176783000	-2.897580000
1	-3.725225000	0.888910000	-3.012035000
1	-3.956809000	-0.831579000	-2.712749000
1	0.297280000	1.483131000	1.739424000
1	0.178043000	2.227038000	-1.297332000
7	-0.530791000	3.942918000	-0.419728000
1	-0.458323000	4.954121000	-0.366982000
6	-1.358422000	3.255077000	0.567885000
1	-1.446671000	2.223433000	0.215510000

6	-2.747308000	3.891121000	0.646740000
1	-2.679741000	4.931264000	0.985801000
1	-3.233872000	3.878138000	-0.332719000
1	-3.379955000	3.347080000	1.354879000
6	-0.663525000	3.192490000	1.938504000
1	-0.405422000	4.205247000	2.269938000
1	-1.367124000	2.771715000	2.673097000
6	0.266825000	3.327611000	-1.316937000
8	0.533969000	2.437952000	1.885559000
8	1.019760000	3.911454000	-2.102279000

-2062.184009

17

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1	1.541846000	0.357801000	1.337330000
7	0.606130000	-0.560678000	-0.243195000
1	0.706514000	-0.900609000	-1.194608000
6	-0.746253000	-0.441394000	0.302013000
1	-0.639668000	-0.288780000	1.382933000
6	-1.537182000	-1.728173000	0.051908000
1	-1.647367000	-1.914864000	-1.022589000
1	-1.026709000	-2.584970000	0.499785000
1	-2.538325000	-1.653547000	0.486575000
6	-1.467694000	0.783069000	-0.285615000
1	-1.519561000	0.689563000	-1.375313000
1	-2.494241000	0.819161000	0.103207000
6	1.715730000	-0.045665000	0.325482000
8	-0.777137000	2.005252000	-0.026184000
8	2.834375000	-0.034365000	-0.197347000

-362.999030

18

25	0.670375000	0.681629000	-0.191682000
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15	2.166400000	-1.018156000	0.080429000
8	2.560716000	2.911275000	0.204916000
8	0.876270000	0.915388000	-3.104431000
7	0.300806000	0.242082000	2.008508000
6	-0.368298000	1.376466000	2.673746000
1	0.321435000	2.226261000	2.665228000
1	-0.601953000	1.136771000	3.722218000
6	1.529993000	-0.234835000	2.672894000
1	1.331532000	-0.501788000	3.722090000
1	2.257757000	0.582686000	2.662658000

6	-2.812358000	1.255632000	-0.717078000
1	-2.849053000	0.250061000	-0.285185000
6	4.005215000	-0.751826000	-0.217729000
1	4.483543000	-1.737652000	-0.174981000
6	2.051725000	-1.450526000	1.900671000
1	1.329338000	-2.269621000	1.991866000
1	3.002485000	-1.804893000	2.308401000
6	1.775280000	-2.679013000	-0.704317000
1	0.807129000	-2.892251000	-0.239644000
6	-1.650543000	1.700899000	1.900413000
1	-2.153362000	2.580785000	2.310807000
1	-2.345391000	0.857892000	1.988988000
6	-0.685987000	4.084458000	-1.591677000
1	0.361101000	3.772171000	-1.654776000
1	-0.731588000	5.165698000	-1.769757000
1	-1.228861000	3.590225000	-2.401596000
6	-0.505181000	4.530883000	0.886139000
1	-0.936914000	4.389137000	1.881179000
1	-0.545607000	5.604016000	0.663178000
1	0.547738000	4.240834000	0.924066000
6	-1.264788000	3.754809000	-0.204285000
1	-2.315621000	4.067565000	-0.172792000
6	1.803437000	2.012071000	0.097273000
6	0.801723000	0.832372000	-1.931216000
6	-2.701605000	1.091010000	-2.239472000
1	-2.698478000	2.057289000	-2.754435000
1	-3.566367000	0.528601000	-2.613561000
1	-1.794692000	0.549168000	-2.516137000
6	-4.096434000	2.004060000	-0.328294000
1	-4.193952000	2.134955000	0.754437000
1	-4.971691000	1.440790000	-0.675203000
1	-4.142560000	2.994208000	-0.794824000
6	2.748270000	-3.814085000	-0.348792000
1	3.711512000	-3.693113000	-0.856581000
1	2.329099000	-4.774907000	-0.672114000
1	2.938383000	-3.881025000	0.727616000
6	4.651593000	0.137320000	0.858949000
1	4.198081000	1.131081000	0.881863000
1	5.717788000	0.263593000	0.634780000
1	4.578963000	-0.296361000	1.860514000
6	4.229576000	-0.147177000	-1.614748000
1	3.839451000	-0.783836000	-2.413362000
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6	1.546219000	-2.593572000	-2.220245000
1	0.851099000	-1.788943000	-2.470450000

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1	-0.358147000	-0.538669000	2.012597000
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7	-3.244931000	-1.945281000	0.671988000
1	-3.973769000	-1.492372000	1.203994000
6	-3.462646000	-2.594665000	-0.620866000
1	-3.727812000	-1.845388000	-1.373164000
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1	-4.249010000	-4.464686000	0.156564000
1	-5.496238000	-3.270157000	-0.267057000
1	-4.644927000	-4.151490000	-1.549681000
6	-2.028718000	-3.115968000	-0.872293000
1	-2.000165000	-4.115032000	-1.308115000
1	-1.436242000	-2.414564000	-1.465278000
6	-2.110898000	-2.365167000	1.286023000
8	-1.422457000	-3.182645000	0.446999000
8	-1.707149000	-2.081102000	2.408913000

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TS7

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8	-0.826530000	-3.428568000	-0.609098000
8	-0.120147000	-0.053733000	-3.036919000
7	-0.230630000	-0.634217000	2.004366000
6	0.897086000	-1.359936000	2.633087000
1	0.726512000	-2.430534000	2.486831000
1	0.915866000	-1.171633000	3.716335000
6	-1.543749000	-1.039543000	2.563145000
1	-1.528603000	-0.977661000	3.661011000
1	-1.720842000	-2.084311000	2.288442000
6	3.351674000	0.171572000	-0.440997000
1	2.967908000	1.081259000	0.030647000
6	-3.773083000	-1.137404000	-0.579686000
1	-4.697734000	-0.552017000	-0.522900000
6	-2.629728000	-0.125249000	1.995680000
1	-2.472429000	0.891948000	2.368028000
1	-3.626576000	-0.448788000	2.304666000
6	-3.033631000	1.706676000	-0.205702000
1	-2.331921000	2.296885000	0.388037000
6	2.217126000	-0.924337000	1.993826000
1	3.058084000	-1.497400000	2.394936000
1	2.398387000	0.134826000	2.210688000

6	2.481280000	-3.107428000	-1.755412000
1	1.410867000	-3.271637000	-1.901800000
1	3.003290000	-4.035320000	-2.018121000
1	2.799812000	-2.336012000	-2.460374000
6	2.354002000	-3.862977000	0.658933000
1	2.657821000	-3.674199000	1.692565000
1	2.827175000	-4.801514000	0.346158000
1	1.272654000	-4.018208000	0.637779000
6	2.790201000	-2.735706000	-0.293015000
1	3.875018000	-2.618484000	-0.187546000
6	-0.581572000	-2.298134000	-0.400905000
6	-0.142917000	-0.280745000	-1.886079000
6	3.358186000	0.392037000	-1.961488000
1	3.785417000	-0.462175000	-2.497151000
1	3.978851000	1.264229000	-2.200383000
1	2.355952000	0.575843000	-2.355201000
6	4.772834000	-0.082848000	0.086984000
1	4.797192000	-0.228613000	1.171475000
1	5.405483000	0.783107000	-0.143633000
1	5.236533000	-0.956599000	-0.384206000
6	-4.460129000	2.003196000	0.285833000
1	-5.217534000	1.498788000	-0.323974000
1	-4.651626000	3.080727000	0.212789000
1	-4.614738000	1.711045000	1.329388000
6	-4.001494000	-2.437064000	0.212534000
1	-3.108268000	-3.065276000	0.234852000
1	-4.798858000	-3.015647000	-0.269308000
1	-4.315307000	-2.247439000	1.242886000
6	-3.487917000	-1.444744000	-2.061465000
1	-3.328205000	-0.539873000	-2.653062000
1	-4.338472000	-1.983339000	-2.496217000
1	-2.600518000	-2.073919000	-2.171150000
6	-2.852262000	2.118955000	-1.673370000
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1	-3.021340000	3.197501000	-1.774048000
1	-3.569599000	1.612438000	-2.328278000
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7	1.748892000	2.672475000	0.823106000
1	2.107559000	2.985021000	1.718856000
6	2.004407000	3.565479000	-0.318697000
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6	2.302610000	5.004372000	0.109175000
1	1.450768000	5.427043000	0.653045000
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6	0.348956000	2.390080000	0.916532000
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-2062.160630

19

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8	0.012708000	0.211967000	-2.981167000
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6	1.016012000	-1.539307000	2.524873000
1	0.914091000	-2.589203000	2.232993000
1	0.991573000	-1.494497000	3.622832000
6	-1.427849000	-1.245833000	2.508453000
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6	3.370959000	0.618421000	-0.228619000
1	2.837614000	1.455200000	0.239123000
6	-3.569344000	-1.597840000	-0.581799000
1	-4.562306000	-1.137247000	-0.523865000
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6	-3.219524000	1.331773000	-0.315456000
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1	3.437425000	-3.297844000	-2.442291000
1	2.902001000	-1.622980000	-2.623717000
6	2.861937000	-3.603189000	0.265994000
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1	3.430333000	-4.423313000	-0.188328000
1	1.808525000	-3.892934000	0.261460000
6	3.106616000	-2.314903000	-0.539199000
1	4.172946000	-2.072769000	-0.458782000
6	-0.262469000	-2.249074000	-0.541978000
6	-0.024555000	-0.089073000	-1.852315000

6	3.479452000	0.930519000	-1.730157000
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1	2.502385000	0.972101000	-2.218643000
6	4.764449000	0.499634000	0.410433000
1	4.718204000	0.330356000	1.490488000
1	5.314729000	1.434476000	0.247984000
1	5.357739000	-0.306626000	-0.035921000
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6	-3.265402000	-1.902367000	-2.061099000
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7	1.386023000	2.942796000	0.699471000
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1	-1.197626000	3.719376000	-1.115259000
6	0.213564000	2.230089000	1.210789000
8	-0.924405000	3.115429000	0.862147000
8	0.217076000	1.851922000	2.443914000

-2062.168559

20

25	-0.303177000	-0.814897000	-0.120075000
15	1.902572000	-1.496615000	0.163939000

15	-2.406032000	0.173628000	0.119789000
8	-1.322290000	-3.418077000	-0.949936000
8	0.018978000	-0.131563000	-2.972304000
7	-0.243343000	-0.655895000	1.827540000
6	0.694188000	-1.477454000	2.621090000
1	0.323236000	-2.513007000	2.680766000
1	0.745275000	-1.103652000	3.656075000
6	-1.460407000	-0.427856000	2.629600000
1	-1.188540000	-0.029577000	3.620949000
1	-1.974317000	-1.384146000	2.812820000
6	3.302918000	-0.348662000	-0.367786000
1	3.151577000	0.491978000	0.319878000
6	-3.964306000	-0.843912000	-0.124387000
1	-4.795376000	-0.168147000	0.111362000
6	-2.392895000	0.561659000	1.934712000
1	-1.989808000	1.575220000	2.030164000
1	-3.397028000	0.552960000	2.369333000
6	-2.770714000	1.864713000	-0.614491000
1	-1.938124000	2.449522000	-0.205873000
6	2.095081000	-1.445229000	2.010692000
1	2.729277000	-2.252687000	2.387390000
1	2.578476000	-0.495472000	2.259706000
6	2.258186000	-3.436005000	-1.850576000
1	1.210434000	-3.321623000	-2.144264000
1	2.574775000	-4.450091000	-2.120882000
1	2.854327000	-2.735679000	-2.442209000
6	1.711686000	-4.307016000	0.473842000
1	1.889166000	-4.208870000	1.548626000
1	2.083691000	-5.292237000	0.169039000
1	0.633554000	-4.292964000	0.302582000
6	2.439476000	-3.221035000	-0.338975000
1	3.506812000	-3.287728000	-0.099161000
6	-0.907495000	-2.366207000	-0.632326000
6	-0.103026000	-0.374346000	-1.831943000
6	3.189091000	0.199261000	-1.797238000
1	3.244136000	-0.593674000	-2.548847000
1	4.016811000	0.892770000	-1.987047000
1	2.255153000	0.742261000	-1.951078000
6	4.703628000	-0.922067000	-0.096112000
1	4.799354000	-1.328472000	0.916069000
1	5.452068000	-0.129327000	-0.209208000
1	4.955064000	-1.714206000	-0.809213000
6	-4.090530000	2.478229000	-0.113619000
1	-4.959447000	1.970263000	-0.546753000
1	-4.141858000	3.529635000	-0.420997000
1	-4.186539000	2.449034000	0.976141000

6	-4.032205000	-2.029092000	0.856439000
1	-3.172879000	-2.695851000	0.748031000
1	-4.936139000	-2.615446000	0.653639000
1	-4.082714000	-1.700731000	1.898075000
6	-4.117714000	-1.323589000	-1.578142000
1	-4.166369000	-0.495038000	-2.287787000
1	-5.046444000	-1.897879000	-1.677632000
1	-3.290587000	-1.974767000	-1.871999000
6	-2.683230000	1.951103000	-2.146868000
1	-1.749756000	1.542642000	-2.535675000
1	-2.738705000	3.004544000	-2.447138000
1	-3.513657000	1.432942000	-2.636284000
1	0.500859000	0.931124000	1.979880000
1	0.911607000	1.605473000	0.061862000
7	2.216395000	3.199322000	0.664092000
1	3.040150000	2.622206000	0.517732000
6	1.925856000	4.072247000	-0.481532000
1	1.970731000	3.510414000	-1.430815000
6	2.863903000	5.270243000	-0.564624000
1	2.816372000	5.857044000	0.359155000
1	3.899081000	4.944379000	-0.715469000
1	2.588137000	5.915202000	-1.406067000
6	0.454900000	4.428135000	-0.181550000
1	0.374975000	5.358964000	0.394162000
1	-0.145472000	4.516774000	-1.093471000
6	1.019278000	2.399362000	0.835458000
8	-0.043065000	3.342085000	0.622298000
8	0.948203000	1.830589000	2.083569000

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21

1	1.772716000	-0.546707000	1.365950000
1	1.761527000	-0.185416000	-1.416748000
7	-0.040979000	-0.864128000	-0.538966000
1	0.080072000	-1.850483000	-0.329191000
6	-0.980410000	-0.170376000	0.360689000
1	-0.790285000	-0.411317000	1.420614000
6	-2.436995000	-0.476087000	0.034622000
1	-2.653068000	-0.235946000	-1.011448000
1	-2.655344000	-1.536310000	0.198281000
1	-3.104945000	0.107741000	0.677125000
6	-0.551511000	1.271123000	0.089623000
1	-1.047442000	1.667045000	-0.806127000
1	-0.722669000	1.944600000	0.932312000
6	1.218720000	-0.150281000	-0.467954000

8	0.869814000	1.186382000	-0.148313000
8	2.148620000	-0.655206000	0.478327000

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22

1	-3.966586000	1.646456000	-0.697699000
1	-2.659183000	0.036547000	1.290223000
7	-4.648986000	0.921100000	-0.490397000
1	-5.565396000	1.334141000	-0.642951000
6	-4.455630000	-0.247287000	-1.365529000
1	-4.223125000	0.044601000	-2.404036000
6	-5.722358000	-1.106602000	-1.374529000
1	-5.978722000	-1.421472000	-0.358469000
1	-6.565976000	-0.543586000	-1.788074000
1	-5.577532000	-2.000968000	-1.989009000
6	-3.236506000	-1.036909000	-0.881059000
1	-3.029632000	-1.873608000	-1.552007000
1	-2.342631000	-0.404979000	-0.819509000
6	-3.201247000	-0.893725000	1.499743000
8	-3.474775000	-1.637025000	0.415568000
8	-3.504929000	-1.267235000	2.614360000
25	1.050745000	0.180972000	0.113949000
15	1.165534000	-2.068281000	-0.237016000
15	0.318073000	2.326359000	-0.104635000
8	3.936223000	0.747280000	-0.128331000
8	1.218881000	0.118024000	3.038160000
7	0.601414000	0.161347000	-2.116503000
6	1.297074000	-0.955940000	-2.788383000
1	2.372259000	-0.770762000	-2.705827000
1	1.038365000	-0.998123000	-3.856843000
6	0.815753000	1.493454000	-2.717739000
1	0.540207000	1.496174000	-3.782820000
1	1.882979000	1.722439000	-2.643118000
6	-0.223522000	-3.140787000	0.430388000
1	-1.095365000	-2.645909000	-0.012595000
6	1.426251000	3.784138000	0.326624000
1	0.797999000	4.683135000	0.319920000
6	-0.020645000	2.513967000	-1.941046000
1	-1.085524000	2.303291000	-2.099706000
1	0.161116000	3.530746000	-2.299154000
6	-1.366281000	2.756771000	0.605432000
1	-1.978683000	1.983504000	0.124845000
6	0.908230000	-2.259790000	-2.085506000
1	1.454133000	-3.111837000	-2.499046000
1	-0.158948000	-2.454170000	-2.247178000

6	3.237961000	-2.713084000	1.547124000
1	3.500800000	-1.654906000	1.639116000
1	4.131298000	-3.307807000	1.772495000
1	2.486978000	-2.936136000	2.308909000
6	3.859115000	-2.723353000	-0.897729000
1	3.584452000	-3.008488000	-1.917248000
1	4.758999000	-3.290970000	-0.631905000
1	4.125598000	-1.663297000	-0.897204000
6	2.746975000	-3.023859000	0.122351000
1	2.500562000	-4.090215000	0.054538000
6	2.780133000	0.520187000	-0.078290000
6	1.165122000	0.145988000	1.863139000
6	-0.378038000	-3.045312000	1.955354000
1	0.424870000	-3.577626000	2.475939000
1	-1.326225000	-3.504220000	2.257666000
1	-0.381994000	-2.007114000	2.294560000
6	-0.202573000	-4.604606000	-0.036427000
1	-0.094491000	-4.700268000	-1.121827000
1	-1.142050000	-5.093734000	0.247983000
1	0.611135000	-5.165433000	0.436004000
6	-1.915948000	4.135817000	0.209145000
1	-1.368597000	4.942473000	0.708250000
1	-2.965463000	4.217520000	0.517396000
1	-1.871939000	4.313636000	-0.870179000
6	2.556879000	3.981131000	-0.698814000
1	3.200018000	3.099181000	-0.758776000
1	3.183286000	4.826870000	-0.390619000
1	2.182358000	4.202773000	-1.702370000
6	2.016662000	3.592259000	1.734872000
1	1.246684000	3.478411000	2.502338000
1	2.632806000	4.458708000	2.003262000
1	2.649564000	2.699783000	1.764079000
6	-1.461353000	2.535880000	2.122186000
1	-1.059328000	1.563368000	2.416020000
1	-2.510713000	2.584055000	2.436754000
1	-0.920401000	3.311739000	2.673555000
1	-0.548854000	-0.130102000	0.292653000
1	-0.398352000	-0.034810000	-2.149888000

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TS8

1	-5.057889000	-1.796719000	0.821063000
1	-2.378350000	-0.955815000	1.208872000
7	-4.579237000	-2.686816000	0.699969000
1	-5.249152000	-3.411347000	0.947513000

6	-4.141902000	-2.853959000	-0.695932000
1	-4.962227000	-2.656422000	-1.409971000
6	-3.646636000	-4.284032000	-0.918463000
1	-2.814013000	-4.507187000	-0.246048000
1	-4.451822000	-5.003327000	-0.732047000
1	-3.305534000	-4.417893000	-1.950547000
6	-3.062560000	-1.816727000	-1.032591000
1	-2.893338000	-1.813818000	-2.114458000
1	-3.417133000	-0.816912000	-0.746012000
6	-1.597190000	-1.668590000	0.910875000
8	-1.782985000	-2.083417000	-0.440993000
8	-1.123595000	-2.488709000	1.715316000
25	0.644218000	0.584591000	0.125284000
15	2.083717000	-1.222167000	-0.095358000
15	-1.097367000	2.076497000	-0.091175000
8	2.668239000	2.503953000	-0.794109000
8	1.266984000	1.155995000	2.939421000
7	-0.025550000	-0.047188000	-1.838311000
6	1.008507000	-0.778903000	-2.608937000
1	1.792133000	-0.062783000	-2.872896000
1	0.583513000	-1.174800000	-3.542350000
6	-0.654593000	1.043257000	-2.623126000
1	-1.059737000	0.654917000	-3.568275000
1	0.132198000	1.764326000	-2.865250000
6	1.910938000	-2.710663000	1.021729000
1	0.828548000	-2.874379000	1.011703000
6	-0.781945000	3.930590000	-0.080584000
1	-1.766562000	4.406783000	-0.020735000
6	-1.760136000	1.707490000	-1.799966000
1	-2.601122000	1.016938000	-1.687104000
1	-2.145541000	2.596357000	-2.305852000
6	-2.634691000	1.844320000	0.966131000
1	-2.991530000	0.868154000	0.619181000
6	1.565008000	-1.913570000	-1.748945000
1	2.370878000	-2.443282000	-2.263602000
1	0.767788000	-2.636735000	-1.542597000
6	4.436260000	-0.033527000	0.920778000
1	4.088363000	0.992466000	0.778055000
1	5.532711000	-0.018220000	0.930454000
1	4.097488000	-0.365180000	1.904796000
6	4.397597000	-0.402507000	-1.582070000
1	4.155958000	-1.080907000	-2.405170000
1	5.486440000	-0.272606000	-1.574621000
1	3.953165000	0.572816000	-1.796038000
6	3.942601000	-0.947403000	-0.217069000
1	4.394524000	-1.937676000	-0.085230000

6	1.849587000	1.732747000	-0.452581000
6	1.019905000	0.933044000	1.815696000
6	2.304432000	-2.416552000	2.478100000
1	3.390452000	-2.332085000	2.596544000
1	1.970327000	-3.242546000	3.116845000
1	1.842799000	-1.499204000	2.852108000
6	2.610762000	-3.980773000	0.509567000
1	2.316299000	-4.241719000	-0.511411000
1	2.342386000	-4.825901000	1.155113000
1	3.702463000	-3.888105000	0.534796000
6	-3.758985000	2.860801000	0.713455000
1	-3.514642000	3.841939000	1.133755000
1	-4.679189000	2.517508000	1.200459000
1	-3.974228000	2.989415000	-0.352716000
6	-0.099852000	4.439457000	-1.363089000
1	0.888509000	3.998122000	-1.503427000
1	0.031381000	5.525605000	-1.290082000
1	-0.694974000	4.245508000	-2.259955000
6	0.032192000	4.324731000	1.164459000
1	-0.457901000	4.027120000	2.095483000
1	0.165392000	5.412511000	1.191527000
1	1.023460000	3.862130000	1.146439000
6	-2.319507000	1.705153000	2.462578000
1	-1.557810000	0.942809000	2.642704000
1	-3.227747000	1.417519000	3.005031000
1	-1.966199000	2.647995000	2.891523000
1	-0.560748000	-0.574132000	0.684753000
1	-0.744885000	-0.731816000	-1.585202000

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23

1	4.889441000	2.494541000	0.614237000
1	2.206015000	1.287287000	1.110374000
7	4.181772000	3.224071000	0.671277000
1	4.659402000	4.060328000	1.000622000
6	3.594165000	3.470542000	-0.659791000
1	4.381443000	3.625098000	-1.420417000
6	2.712355000	4.718997000	-0.616759000
1	1.911723000	4.578625000	0.113975000
1	3.304732000	5.599820000	-0.343070000
1	2.262177000	4.905159000	-1.598013000
6	2.812908000	2.233134000	-1.137110000
1	2.722583000	2.275357000	-2.228798000
1	3.394656000	1.330263000	-0.892163000
6	1.274658000	1.772427000	0.771345000

8	1.472324000	2.113438000	-0.663603000
8	0.776239000	2.695517000	1.495254000
25	-0.530589000	-0.638364000	0.131037000
15	-2.249084000	0.915236000	-0.094192000
15	1.417989000	-1.881195000	-0.091571000
8	-2.249952000	-2.860389000	-0.691413000
8	-1.025346000	-1.260822000	2.965787000
7	-0.020279000	0.001674000	-1.842446000
6	-1.152127000	0.579037000	-2.610004000
1	-1.836354000	-0.235088000	-2.867566000
1	-0.787582000	1.018655000	-3.548917000
6	0.733784000	-1.008153000	-2.625498000
1	1.043136000	-0.589223000	-3.593106000
1	0.059085000	-1.846547000	-2.824481000
6	-2.283152000	2.413339000	1.018770000
1	-1.223511000	2.700532000	1.053041000
6	1.360835000	-3.757410000	-0.006572000
1	2.405076000	-4.082834000	0.052836000
6	1.957692000	-1.470887000	-1.832123000
1	2.683066000	-0.653562000	-1.766932000
1	2.457326000	-2.305251000	-2.330504000
6	2.928493000	-1.393926000	0.912115000
1	3.119996000	-0.380635000	0.542624000
6	-1.846204000	1.642674000	-1.759261000
1	-2.720568000	2.055066000	-2.269376000
1	-1.146639000	2.464746000	-1.571751000
6	-4.384115000	-0.612813000	0.964508000
1	-3.864351000	-1.566638000	0.848913000
1	-5.461468000	-0.816297000	0.961516000
1	-4.124655000	-0.208795000	1.944953000
6	-4.418623000	-0.275251000	-1.542339000
1	-4.281628000	0.417904000	-2.376902000
1	-5.477050000	-0.560732000	-1.525142000
1	-3.839299000	-1.179966000	-1.744264000
6	-4.041451000	0.350125000	-0.188303000
1	-4.634979000	1.263931000	-0.062883000
6	-1.553805000	-1.972180000	-0.374451000
6	-0.822880000	-1.008998000	1.842702000
6	-2.706780000	2.076897000	2.457717000
1	-3.781340000	1.876154000	2.528570000
1	-2.491881000	2.934932000	3.105258000
1	-2.165940000	1.215530000	2.859050000
6	-3.104496000	3.591055000	0.467450000
1	-2.774365000	3.907305000	-0.526543000
1	-2.991939000	4.451642000	1.137974000
1	-4.174774000	3.360199000	0.413286000

6	4.186396000	-2.231111000	0.632213000
1	4.113154000	-3.230147000	1.073962000
1	5.057410000	-1.739535000	1.080670000
1	4.382537000	-2.344110000	-0.439152000
6	0.745724000	-4.409740000	-1.257777000
1	-0.297598000	-4.122492000	-1.401910000
1	0.773460000	-5.499254000	-1.139277000
1	1.299477000	-4.169288000	-2.169458000
6	0.630049000	-4.215217000	1.267670000
1	1.073283000	-3.798194000	2.175599000
1	0.674424000	-5.307530000	1.346231000
1	-0.423147000	-3.921116000	1.243886000
6	2.639898000	-1.282607000	2.416670000
1	1.773239000	-0.647544000	2.616553000
1	3.506307000	-0.843192000	2.924220000
1	2.456846000	-2.262307000	2.869077000
1	0.507215000	0.809308000	0.655592000
1	0.616483000	0.784613000	-1.618923000

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TS9

1	-4.717754000	-1.380488000	-0.045510000
1	-2.311885000	-1.906457000	1.444675000
7	-4.302947000	-2.255349000	0.270284000
1	-5.064280000	-2.800863000	0.670149000
6	-3.718599000	-2.976026000	-0.883300000
1	-4.486275000	-3.158653000	-1.659997000
6	-3.186968000	-4.335192000	-0.425463000
1	-2.396640000	-4.215615000	0.317902000
1	-3.990297000	-4.941748000	0.012098000
1	-2.780553000	-4.887711000	-1.280673000
6	-2.640056000	-2.111490000	-1.574883000
1	-2.388906000	-2.652418000	-2.514393000
1	-3.173470000	-1.189542000	-1.911490000
6	-1.235285000	-2.107480000	1.505048000
8	-1.502210000	-1.812677000	-0.840612000
8	-0.777269000	-3.196020000	1.827566000
25	0.630163000	0.679659000	0.081316000
15	2.314100000	-0.914267000	-0.177589000
15	-1.401934000	1.798549000	-0.051846000
8	2.243477000	2.969277000	-0.727839000
8	1.189645000	1.303552000	2.908776000
7	0.075224000	0.038802000	-1.834205000
6	1.159881000	-0.551785000	-2.651247000
1	1.845807000	0.248000000	-2.952384000

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1	-2.734481000	-0.028314000	0.509521000
6	1.888800000	-1.622751000	-1.841652000
1	2.759422000	-2.011570000	-2.376104000
1	1.203205000	-2.455279000	-1.650695000
6	4.456681000	0.541784000	0.933096000
1	3.924433000	1.495427000	0.876536000
1	5.531436000	0.756607000	0.925274000
1	4.215539000	0.081515000	1.893877000
6	4.446978000	0.337304000	-1.591223000
1	4.298542000	-0.314478000	-2.456499000
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6	4.103942000	-0.360685000	-0.263178000
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6	1.601522000	2.049369000	-0.394156000
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1	3.519763000	-1.846969000	2.626699000
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6	3.229195000	-3.554002000	0.445866000
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6	-2.569141000	0.944634000	2.418371000
1	-1.570332000	0.585643000	2.677365000
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1	-2.707970000	1.926901000	2.881392000
1	-0.561026000	-1.231274000	1.371532000
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24

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7	0.136100000	0.156205000	-1.774763000
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1	5.582811000	0.484513000	0.945349000
1	4.273642000	-0.218251000	1.903266000
6	4.458334000	0.243626000	-1.561925000
1	4.262955000	-0.345671000	-2.462001000
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1	-0.652863000	-1.327716000	1.716188000
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25

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26

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6	-6.132958000	-0.771591000	-0.080056000
1	-5.914554000	-0.945625000	0.977790000
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1	-2.868828000	-0.076103000	-1.122190000
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8	-3.316404000	-1.156338000	0.601148000
8	-2.270168000	-0.627476000	2.495863000
25	1.003576000	0.072850000	-0.199637000
15	0.624318000	2.297833000	0.154585000
15	0.879493000	-2.190042000	0.082207000
8	3.948817000	0.217114000	-0.255733000
8	0.848786000	0.096957000	-3.124813000
7	0.797187000	0.031643000	2.062392000
6	1.285803000	1.290408000	2.662016000
1	2.360051000	1.357309000	2.464147000
1	1.139118000	1.290811000	3.752540000
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1	-1.719052000	2.409975000	0.275154000
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1	1.924653000	-4.336051000	-0.404561000
6	0.768133000	-2.408584000	1.939272000
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1	2.709770000	2.406210000	-2.006097000
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1	1.382770000	3.455722000	-2.515599000
6	3.153712000	3.566804000	0.496443000
1	2.944645000	3.774249000	1.549900000
1	3.848922000	4.338394000	0.144533000
1	3.666395000	2.604519000	0.431256000
6	1.885253000	3.590922000	-0.374637000
1	1.412426000	4.572550000	-0.253903000
6	2.772589000	0.163639000	-0.183286000
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1	-1.264664000	1.683890000	-2.057857000
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1	-0.061861000	-5.179839000	-0.660471000
1	-1.767838000	-4.939311000	-0.277698000
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6	3.521201000	-3.203587000	0.478661000
1	3.928350000	-2.189486000	0.494316000
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1	3.293164000	-3.499426000	1.506673000
6	2.707641000	-2.992369000	-1.901409000
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1	3.484164000	-3.693574000	-2.230285000
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1	-1.967404000	-3.277813000	-2.206270000
1	-0.256291000	-3.436677000	-2.603376000
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TS10

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1	1.619394000	4.731524000	-1.761061000
6	1.479854000	5.598363000	0.200608000
1	1.451065000	5.287107000	1.249009000
1	2.327595000	6.278410000	0.061369000
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1	-0.474081000	3.963602000	-1.057169000
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8	-0.011259000	3.140562000	0.726789000
8	0.254104000	1.764241000	2.489393000
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15	1.986966000	-1.279119000	0.175940000
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7	-0.340265000	-0.970004000	1.998288000
6	0.675004000	-1.904682000	2.533985000
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1	-2.002995000	-2.245627000	2.117814000
6	3.365601000	-0.041724000	-0.139304000
1	2.983166000	0.870181000	0.329679000
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6	-2.649094000	-0.168628000	1.957387000
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1	2.809146000	-3.885509000	-2.464359000
1	2.552769000	-2.143238000	-2.626591000
6	2.235940000	-4.133712000	0.234375000
1	2.574287000	-4.116563000	1.273982000

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6	4.705887000	-0.386289000	0.531100000
1	4.607237000	-0.544893000	1.608741000
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27

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6	-1.767275000	4.472469000	-0.626519000
1	-2.013723000	4.756382000	-1.666352000
6	-2.764420000	5.164134000	0.306118000
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1	-2.673209000	6.254082000	0.234230000
1	-3.791882000	4.892537000	0.039561000

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1	-2.903269000	2.686351000	-0.984433000
1	-1.167404000	2.465320000	-1.222780000
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8	-0.504155000	1.577601000	2.391443000
25	0.296932000	-0.676269000	-0.136478000
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8	1.274099000	-3.348706000	-0.818661000
8	0.034837000	0.027511000	-2.983717000
7	0.383258000	-0.933296000	1.964344000
6	1.751097000	-1.102231000	2.514772000
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1	1.719352000	-1.105176000	3.613500000
6	-0.561375000	-1.940729000	2.504406000
1	-0.554406000	-1.914403000	3.603335000
1	-0.223768000	-2.934966000	2.193974000
6	2.763376000	2.014742000	-0.114603000
1	2.085558000	2.477707000	0.610693000
6	-2.404422000	-3.103143000	-0.597728000
1	-3.498958000	-3.111792000	-0.535013000
6	-1.965202000	-1.639721000	1.980893000
1	-2.290455000	-0.668596000	2.371326000
1	-2.687718000	-2.393334000	2.304170000
6	-3.330467000	-0.314613000	-0.219394000
1	-3.017588000	0.603082000	0.288868000
6	2.643179000	0.038502000	2.019965000
1	3.682754000	-0.105318000	2.325731000
1	2.291748000	0.982244000	2.450103000
6	3.712976000	-0.919388000	-2.084014000
1	2.870575000	-1.591663000	-2.267728000
1	4.610695000	-1.374307000	-2.518381000
1	3.518898000	0.012049000	-2.621857000
6	4.274674000	-2.011809000	0.136877000
1	4.513952000	-1.861811000	1.193314000
1	5.160900000	-2.448462000	-0.338433000
1	3.470071000	-2.746026000	0.066108000
6	3.923424000	-0.693845000	-0.576360000
1	4.771843000	-0.014501000	-0.440946000
6	0.889826000	-2.276505000	-0.542058000
6	0.138622000	-0.242000000	-1.849880000
6	2.342661000	2.488831000	-1.513805000
1	2.987404000	2.073732000	-2.294654000
1	2.426518000	3.580246000	-1.572342000
1	1.312053000	2.210360000	-1.746774000

6	4.189697000	2.476113000	0.227517000
1	4.520254000	2.120874000	1.208905000
1	4.222816000	3.571683000	0.241941000
1	4.913770000	2.138776000	-0.521278000
6	-4.665398000	-0.774759000	0.391320000
1	-5.056474000	-1.668761000	-0.106284000
1	-5.410292000	0.020041000	0.263647000
1	-4.589676000	-0.985194000	1.461926000
6	-1.882687000	-4.317324000	0.191050000
1	-0.790765000	-4.363506000	0.189287000
1	-2.250904000	-5.236206000	-0.280462000
1	-2.227938000	-4.321861000	1.228633000
6	-2.004104000	-3.209081000	-2.081962000
1	-2.324179000	-2.346002000	-2.669799000
1	-2.463332000	-4.102653000	-2.520914000
1	-0.921177000	-3.302809000	-2.191928000
6	-3.493240000	-0.008111000	-1.717209000
1	-2.554917000	0.308310000	-2.179411000
1	-4.221379000	0.800064000	-1.850730000
1	-3.872175000	-0.876676000	-2.265778000
1	-0.374756000	0.967776000	0.376717000
1	0.039215000	0.009809000	2.289696000

-2063.349477

TS11

1	1.968341000	3.035412000	-1.665546000
1	1.492674000	2.450515000	1.190716000
7	2.089654000	3.686955000	-0.892927000
1	2.874060000	4.284965000	-1.144236000
6	0.871763000	4.500733000	-0.712677000
1	0.604478000	5.034254000	-1.642757000
6	1.104265000	5.539251000	0.385506000
1	1.338591000	5.046656000	1.333698000
1	1.936312000	6.201362000	0.121012000
1	0.210906000	6.156159000	0.528496000
6	-0.341071000	3.605627000	-0.407125000
1	-1.251742000	4.191523000	-0.564523000
1	-0.361175000	2.760811000	-1.113763000
6	0.467143000	2.065972000	1.264506000
8	-0.444438000	3.116487000	0.931452000
8	0.175014000	1.538301000	2.475890000
25	-0.122895000	-0.718451000	-0.129280000
15	2.164538000	-1.006987000	0.174230000
15	-2.406682000	-0.293889000	0.113965000
8	-0.546982000	-3.514062000	-0.829827000

8	0.027570000	0.140773000	-2.946088000
7	-0.194107000	-0.882667000	1.894928000
6	0.924151000	-1.586752000	2.554323000
1	0.844255000	-2.670420000	2.383676000
1	0.877207000	-1.432119000	3.644310000
6	-1.477280000	-1.307576000	2.487209000
1	-1.434844000	-1.223972000	3.585063000
1	-1.672137000	-2.365266000	2.255192000
6	3.337451000	0.390504000	-0.271350000
1	2.818910000	1.273933000	0.113378000
6	-3.660672000	-1.470546000	-0.645548000
1	-4.623338000	-0.949774000	-0.580825000
6	-2.603677000	-0.421000000	1.955722000
1	-2.476552000	0.593308000	2.347821000
1	-3.591810000	-0.777988000	2.257365000
6	-3.089455000	1.414700000	-0.243857000
1	-2.365949000	2.053048000	0.273737000
6	2.258873000	-1.055240000	2.028000000
1	3.109281000	-1.633948000	2.398595000
1	2.384564000	-0.018678000	2.358288000
6	2.718543000	-2.824724000	-1.930175000
1	1.684636000	-3.150893000	-2.065574000
1	3.371272000	-3.625464000	-2.297242000
1	2.877443000	-1.949078000	-2.562311000
6	2.703592000	-3.801115000	0.402091000
1	3.016789000	-3.692149000	1.443763000
1	3.236041000	-4.665386000	-0.012173000
1	1.635510000	-4.033395000	0.384451000
6	3.026816000	-2.556746000	-0.444180000
1	4.099289000	-2.350078000	-0.343810000
6	-0.379046000	-2.381647000	-0.574545000
6	-0.027887000	-0.191925000	-1.823821000
6	3.504604000	0.588484000	-1.786469000
1	4.120435000	-0.201239000	-2.228472000
1	4.016428000	1.539850000	-1.971449000
1	2.546891000	0.612310000	-2.313026000
6	4.708998000	0.304662000	0.419960000
1	4.626696000	0.224561000	1.507494000
1	5.282753000	1.212520000	0.198272000
1	5.295093000	-0.547143000	0.058109000
6	-4.477374000	1.681718000	0.365431000
1	-5.256376000	1.081488000	-0.116982000
1	-4.739675000	2.735782000	0.214611000
1	-4.512237000	1.485360000	1.440808000
6	-3.792124000	-2.795502000	0.126920000
1	-2.850012000	-3.348424000	0.146466000

1	-4.536402000	-3.428718000	-0.370329000
1	-4.125083000	-2.646659000	1.157557000
6	-3.351999000	-1.736844000	-2.131143000
1	-3.213350000	-0.818488000	-2.705908000
1	-4.183216000	-2.291831000	-2.581873000
1	-2.448402000	-2.340840000	-2.244700000
6	-3.082043000	1.774036000	-1.739282000
1	-2.132033000	1.541274000	-2.226609000
1	-3.265471000	2.848161000	-1.857210000
1	-3.878373000	1.248017000	-2.276339000
1	0.371813000	1.283606000	0.431309000
1	-0.037547000	0.443060000	2.278162000

-2063.343040

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1	1.720309000	3.567424000	-1.446206000
1	1.146857000	3.182363000	1.659382000
7	1.546240000	4.293972000	-0.755081000
1	2.137480000	5.080874000	-1.014385000
6	0.128152000	4.701392000	-0.785175000
1	-0.184147000	5.002933000	-1.801703000
6	-0.085867000	5.889847000	0.154035000
1	0.171127000	5.615847000	1.181515000
1	0.537877000	6.739250000	-0.146688000
1	-1.131844000	6.213976000	0.134086000
6	-0.782284000	3.518229000	-0.422696000
1	-1.814576000	3.793458000	-0.659741000
1	-0.519522000	2.644620000	-1.040146000
6	0.366337000	2.455318000	1.414563000
8	-0.801232000	3.144636000	0.955270000
8	0.056417000	1.709384000	2.542874000
25	-0.020830000	-0.850239000	-0.124711000
15	2.298661000	-0.797412000	0.177460000
15	-2.339238000	-0.685428000	0.122337000
8	-0.091061000	-3.541560000	-1.238223000
8	0.033761000	0.298829000	-2.844664000
7	-0.051167000	-0.972311000	1.822600000
6	1.132349000	-1.413727000	2.585044000
1	1.204813000	-2.512861000	2.563265000
1	1.025868000	-1.131214000	3.644847000
6	-1.264979000	-1.409344000	2.539258000
1	-1.179715000	-1.168550000	3.611304000
1	-1.370227000	-2.504325000	2.474830000
6	3.316929000	0.729695000	-0.264375000
1	2.806403000	1.510323000	0.311526000

6	-3.469836000	-2.048442000	-0.499613000
1	-4.490567000	-1.699172000	-0.301596000
6	-2.499731000	-0.713916000	1.970803000
1	-2.507405000	0.330687000	2.299184000
1	-3.431152000	-1.178555000	2.307146000
6	-3.205502000	0.930310000	-0.292356000
1	-2.556368000	1.644846000	0.227082000
6	2.408089000	-0.781285000	2.030062000
1	3.309084000	-1.278127000	2.402377000
1	2.451765000	0.269649000	2.335482000
6	3.259729000	-2.490439000	-1.879758000
1	2.235516000	-2.710377000	-2.192156000
1	3.886393000	-3.345843000	-2.158330000
1	3.608849000	-1.627188000	-2.450928000
6	2.982628000	-3.543316000	0.412371000
1	3.148269000	-3.439046000	1.488072000
1	3.616981000	-4.366036000	0.061760000
1	1.942685000	-3.836274000	0.251076000
6	3.345116000	-2.261931000	-0.360488000
1	4.378536000	-2.001301000	-0.103539000
6	-0.058662000	-2.445998000	-0.816532000
6	0.013290000	-0.137765000	-1.755609000
6	3.260344000	1.144405000	-1.742116000
1	3.801091000	0.442127000	-2.383080000
1	3.741357000	2.122813000	-1.859956000
1	2.237510000	1.221349000	-2.114244000
6	4.772889000	0.659385000	0.227958000
1	4.847757000	0.350933000	1.275056000
1	5.236615000	1.648759000	0.138123000
1	5.366601000	-0.034533000	-0.376392000
6	-4.622611000	1.050662000	0.296630000
1	-5.324333000	0.372275000	-0.201015000
1	-4.992109000	2.071481000	0.142395000
1	-4.656469000	0.848000000	1.370811000
6	-3.261031000	-3.365495000	0.269856000
1	-2.244006000	-3.747013000	0.147645000
1	-3.948798000	-4.124936000	-0.120387000
1	-3.462165000	-3.259465000	1.339250000
6	-3.311155000	-2.271821000	-2.014251000
1	-3.500547000	-1.366262000	-2.593963000
1	-4.023787000	-3.035383000	-2.347918000
1	-2.305667000	-2.623594000	-2.258307000
6	-3.219713000	1.290475000	-1.786677000
1	-2.243167000	1.175567000	-2.259222000
1	-3.527578000	2.336218000	-1.903860000
1	-3.941915000	0.679924000	-2.337738000

1	0.720119000	1.806526000	0.593424000
1	-0.069857000	0.757020000	2.252390000

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1	1.253430000	2.003831000	0.747500000
1	-1.146546000	0.864573000	-1.098469000
7	1.365011000	1.413386000	-0.074520000
1	2.188265000	1.757510000	-0.563860000
6	1.565665000	0.008473000	0.325809000
1	2.388105000	-0.095681000	1.056741000
6	1.907586000	-0.832147000	-0.905259000
1	1.094009000	-0.787932000	-1.635039000
1	2.824017000	-0.466279000	-1.381281000
1	2.065907000	-1.878913000	-0.625704000
6	0.315430000	-0.518868000	1.043810000
1	0.541738000	-1.500708000	1.470989000
1	0.046198000	0.157542000	1.871198000
6	-1.545357000	0.432311000	-0.177720000
8	-0.817963000	-0.728510000	0.199479000
8	-2.871980000	0.058776000	-0.453106000
1	-1.488942000	1.175999000	0.632743000
1	-3.261649000	-0.304396000	0.356000000

-364.156455

30

25	-0.924638000	0.578943000	0.098833000
15	0.760831000	2.096957000	0.082309000
15	-2.045342000	-1.398005000	-0.059619000
8	-2.825823000	2.175856000	-1.492354000
8	-2.143133000	1.445444000	2.620068000
7	0.197745000	-0.236309000	-1.594804000
6	0.853291000	0.832630000	-2.381942000
1	0.064385000	1.454300000	-2.815208000
1	1.438744000	0.407419000	-3.210939000
6	-0.606078000	-1.171707000	-2.414691000
1	0.015159000	-1.631162000	-3.197892000
1	-1.391002000	-0.589136000	-2.905828000
6	2.090183000	1.964723000	1.406646000
1	2.368136000	0.907000000	1.306495000
6	-3.881194000	-1.432430000	-0.479379000
1	-4.228049000	-2.456881000	-0.296888000
6	-1.201175000	-2.242850000	-1.499496000
1	-0.397496000	-2.857402000	-1.077802000

1	-1.868851000	-2.909940000	-2.051511000
6	-1.850486000	-2.679276000	1.298519000
1	-0.760182000	-2.722518000	1.390833000
6	1.744542000	1.655748000	-1.450370000
1	2.152401000	2.531277000	-1.960899000
1	2.597688000	1.050834000	-1.128924000
6	-0.644124000	4.378325000	0.941687000
1	-1.604181000	3.899766000	0.725267000
1	-0.785553000	5.464663000	0.891899000
1	-0.372271000	4.122766000	1.968825000
6	-0.021035000	4.340435000	-1.501490000
1	0.745184000	4.136024000	-2.254697000
1	-0.223872000	5.417859000	-1.528423000
1	-0.938789000	3.824439000	-1.795729000
6	0.420487000	3.942493000	-0.081467000
1	1.360347000	4.462349000	0.140629000
6	-2.044036000	1.522678000	-0.896296000
6	-1.663715000	1.105487000	1.599845000
6	1.542290000	2.157839000	2.828053000
1	1.297365000	3.207022000	3.023284000
1	2.301585000	1.860527000	3.561380000
1	0.647160000	1.555074000	2.998426000
6	3.339680000	2.828198000	1.171427000
1	3.758352000	2.700463000	0.167899000
1	4.118883000	2.554717000	1.893304000
1	3.124525000	3.892442000	1.315194000
6	-2.353823000	-4.085948000	0.935771000
1	-3.446392000	-4.121303000	0.859772000
1	-2.059948000	-4.792960000	1.721370000
1	-1.934598000	-4.451090000	-0.006829000
6	-4.163287000	-1.090712000	-1.953022000
1	-3.797260000	-0.092546000	-2.207781000
1	-5.246009000	-1.099847000	-2.128265000
1	-3.715348000	-1.810166000	-2.644641000
6	-4.658737000	-0.474785000	0.442914000
1	-4.479139000	-0.670927000	1.502651000
1	-5.735655000	-0.574928000	0.260141000
1	-4.377014000	0.563892000	0.246462000
6	-2.428130000	-2.224151000	2.647931000
1	-2.106266000	-1.214537000	2.914083000
1	-2.094101000	-2.907300000	3.438361000
1	-3.523279000	-2.245972000	2.644595000
1	0.936037000	-0.789669000	-1.158107000
1	0.092977000	-0.285516000	1.008494000
1	4.972525000	-1.723842000	1.959639000
1	2.216849000	-1.881156000	1.329511000

7	2.822731000	-2.371038000	-0.582722000
1	2.782886000	-3.094063000	-1.295956000
6	3.985277000	-1.477126000	-0.609623000
1	3.720782000	-0.589067000	-0.022502000
6	4.296493000	-1.070606000	-2.051353000
1	4.600943000	-1.942856000	-2.641269000
1	3.423019000	-0.625723000	-2.532952000
1	5.111919000	-0.342539000	-2.075698000
6	5.210160000	-2.136216000	0.049229000
1	5.457276000	-3.059323000	-0.485491000
1	6.069432000	-1.456293000	-0.024143000
6	2.097077000	-2.632706000	0.535450000
8	4.966520000	-2.514858000	1.403180000
8	1.323563000	-3.586549000	0.641769000

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TS12

25	0.498299000	0.621859000	-0.148364000
15	-1.589647000	1.602688000	0.018054000
15	2.379287000	-0.701574000	0.110296000
8	1.876200000	3.006973000	0.860056000
8	1.011838000	1.354009000	-2.949983000
7	-0.029312000	-0.166637000	1.774208000
6	-0.927943000	0.716351000	2.555666000
1	-0.363413000	1.615500000	2.821430000
1	-1.232878000	0.225781000	3.491512000
6	1.124098000	-0.639899000	2.577041000
1	0.771924000	-1.172198000	3.472429000
1	1.685666000	0.237987000	2.911126000
6	-2.999331000	0.983439000	-1.056560000
1	-3.018116000	-0.080875000	-0.800430000
6	4.080707000	0.073393000	0.331521000
1	4.792178000	-0.751830000	0.206003000
6	1.998761000	-1.556860000	1.722197000
1	1.436972000	-2.461756000	1.466806000
1	2.895103000	-1.870613000	2.263872000
6	2.666241000	-2.134779000	-1.051378000
1	1.657333000	-2.558810000	-1.136106000
6	-2.157334000	1.076900000	1.720369000
1	-2.764534000	1.835055000	2.220339000
1	-2.790270000	0.192875000	1.595537000
6	-0.975471000	4.055349000	-1.218127000
1	0.101283000	3.922564000	-1.082542000
1	-1.176367000	5.129533000	-1.304329000
1	-1.250418000	3.586198000	-2.166050000

6	-1.332241000	4.160904000	1.286997000
1	-1.943999000	3.850503000	2.138544000
1	-1.452600000	5.245328000	1.178840000
1	-0.284048000	3.969809000	1.526635000
6	-1.756471000	3.476266000	-0.024534000
1	-2.822233000	3.680090000	-0.174856000
6	1.316733000	2.050825000	0.469535000
6	0.807395000	1.065389000	-1.833171000
6	-2.697264000	1.083437000	-2.558755000
1	-2.704561000	2.122489000	-2.903234000
1	-3.466587000	0.545908000	-3.125249000
1	-1.726293000	0.647070000	-2.806122000
6	-4.379705000	1.566040000	-0.714022000
1	-4.600607000	1.514636000	0.357027000
1	-5.156074000	0.999960000	-1.242027000
1	-4.467249000	2.610480000	-1.030496000
6	3.620597000	-3.212930000	-0.511182000
1	4.648501000	-2.844027000	-0.416594000
1	3.642976000	-4.057898000	-1.210274000
1	3.310134000	-3.603574000	0.462422000
6	4.306438000	0.680415000	1.727454000
1	3.604311000	1.492626000	1.933252000
1	5.318017000	1.100491000	1.778960000
1	4.221015000	-0.061739000	2.526192000
6	4.357185000	1.122759000	-0.762397000
1	4.169379000	0.743862000	-1.769139000
1	5.407063000	1.435379000	-0.712545000
1	3.737512000	2.011285000	-0.620066000
6	3.090212000	-1.691478000	-2.461419000
1	2.452935000	-0.895550000	-2.855175000
1	3.016473000	-2.545921000	-3.144486000
1	4.129936000	-1.346061000	-2.484480000
1	-0.564478000	-1.009731000	1.483948000
1	-0.301248000	-0.870300000	-0.727347000
1	-4.271976000	-2.884849000	-1.397435000
1	-1.877836000	-1.556880000	-1.379621000
7	-1.332766000	-2.446863000	0.454210000
1	-0.797510000	-3.289927000	0.655488000
6	-2.740204000	-2.613461000	0.854772000
1	-3.268350000	-1.690379000	0.583938000
6	-2.809436000	-2.786810000	2.377073000
1	-2.293689000	-3.704541000	2.684054000
1	-2.328920000	-1.946443000	2.885758000
1	-3.846419000	-2.848945000	2.721042000
6	-3.465531000	-3.778978000	0.156948000
1	-2.875874000	-4.694855000	0.273369000

1	-4.440386000	-3.941107000	0.639396000
6	-1.012856000	-2.051570000	-0.913872000
8	-3.631857000	-3.594164000	-1.250753000
8	-0.302032000	-2.849753000	-1.615482000

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31

25	0.486807000	0.610148000	-0.148233000
15	-1.614180000	1.579479000	0.019723000
15	2.395668000	-0.681341000	0.111699000
8	1.836371000	3.014070000	0.844648000
8	0.986395000	1.340214000	-2.955021000
7	-0.019697000	-0.160835000	1.773162000
6	-0.924015000	0.715869000	2.556149000
1	-0.370025000	1.623159000	2.816423000
1	-1.217588000	0.224146000	3.494808000
6	1.139546000	-0.619703000	2.576970000
1	0.792167000	-1.152228000	3.473901000
1	1.692669000	0.264351000	2.909018000
6	-3.024854000	0.948015000	-1.044784000
1	-3.017381000	-0.121015000	-0.809486000
6	4.083124000	0.124156000	0.325888000
1	4.806046000	-0.690838000	0.198755000
6	2.023716000	-1.531840000	1.726856000
1	1.471295000	-2.443254000	1.474381000
1	2.922719000	-1.834666000	2.270331000
6	2.697433000	-2.111412000	-1.047885000
1	1.690608000	-2.543048000	-1.138779000
6	-2.163200000	1.056289000	1.727331000
1	-2.777959000	1.808165000	2.227392000
1	-2.783816000	0.162649000	1.609245000
6	-1.003728000	4.028411000	-1.229260000
1	0.073305000	3.910329000	-1.084031000
1	-1.216682000	5.099254000	-1.326336000
1	-1.265355000	3.547978000	-2.175133000
6	-1.377251000	4.147479000	1.273487000
1	-1.992776000	3.838177000	2.122641000
1	-1.504223000	5.230255000	1.157195000
1	-0.329398000	3.965341000	1.521671000
6	-1.787822000	3.451634000	-0.036479000
1	-2.854016000	3.647037000	-0.195171000
6	1.288823000	2.052593000	0.454026000
6	0.786759000	1.050251000	-1.839056000
6	-2.747463000	1.084034000	-2.548922000
1	-2.791608000	2.128564000	-2.873758000

1	-3.508759000	0.533825000	-3.113845000
1	-1.768204000	0.681061000	-2.819248000
6	-4.411373000	1.496324000	-0.671298000
1	-4.619464000	1.412443000	0.400017000
1	-5.182876000	0.929792000	-1.205789000
1	-4.522076000	2.546986000	-0.958454000
6	3.657007000	-3.181127000	-0.500205000
1	4.680701000	-2.803132000	-0.394905000
1	3.693571000	-4.024328000	-1.200772000
1	3.340618000	-3.576860000	0.469369000
6	4.304505000	0.735761000	1.720398000
1	3.590472000	1.536810000	1.928720000
1	5.309409000	1.171913000	1.767188000
1	4.234487000	-0.007156000	2.519935000
6	4.340684000	1.175204000	-0.771102000
1	4.154503000	0.792189000	-1.776515000
1	5.386564000	1.501331000	-0.725619000
1	3.710730000	2.056254000	-0.628120000
6	3.127535000	-1.665584000	-2.455247000
1	2.487114000	-0.874984000	-2.854709000
1	3.063664000	-2.521349000	-3.137597000
1	4.165017000	-1.313062000	-2.472747000
1	-0.553284000	-1.013140000	1.491690000
1	-0.291062000	-0.931597000	-0.719741000
1	-4.257157000	-2.888981000	-1.402953000
1	-1.843332000	-1.577418000	-1.372870000
7	-1.305701000	-2.420252000	0.487220000
1	-0.765767000	-3.262143000	0.683428000
6	-2.718429000	-2.630086000	0.845717000
1	-3.264055000	-1.715892000	0.578402000
6	-2.818281000	-2.827311000	2.364186000
1	-2.293600000	-3.740770000	2.669261000
1	-2.361270000	-1.986374000	2.893916000
1	-3.860939000	-2.911319000	2.686087000
6	-3.405278000	-3.800440000	0.116285000
1	-2.781623000	-4.696997000	0.200409000
1	-4.369680000	-4.013071000	0.600340000
6	-0.956333000	-2.020069000	-0.890939000
8	-3.593646000	-3.581782000	-1.284562000
8	-0.251999000	-2.859658000	-1.577418000

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TS13

25	-0.644892000	0.679179000	0.052937000
15	1.354902000	1.839384000	-0.032554000

15	-2.295439000	-0.941181000	-0.138365000
8	-2.311502000	2.911974000	-0.793318000
8	-1.191038000	1.322946000	2.882258000
7	0.008348000	-0.078901000	-1.642635000
6	0.866860000	0.757551000	-2.497391000
1	0.277131000	1.573614000	-2.948218000
1	1.266101000	0.171734000	-3.341981000
6	-0.891456000	-0.868370000	-2.498158000
1	-0.307961000	-1.439813000	-3.240566000
1	-1.554661000	-0.203028000	-3.076359000
6	2.734235000	1.272746000	1.115199000
1	2.824117000	0.216934000	0.832369000
6	-4.071853000	-0.441836000	-0.477797000
1	-4.656423000	-1.369041000	-0.435892000
6	-1.725907000	-1.838457000	-1.662082000
1	-1.101121000	-2.669959000	-1.319069000
1	-2.552646000	-2.270015000	-2.233835000
6	-2.377943000	-2.324378000	1.125588000
1	-1.325791000	-2.632091000	1.203204000
6	2.030827000	1.337024000	-1.692016000
1	2.526674000	2.159242000	-2.214288000
1	2.785497000	0.563998000	-1.519566000
6	0.616188000	4.244205000	1.227430000
1	-0.443020000	3.977199000	1.166468000
1	0.688198000	5.337443000	1.261839000
1	1.004717000	3.855427000	2.171945000
6	0.836924000	4.329881000	-1.292556000
1	1.415415000	4.037893000	-2.173113000
1	0.882259000	5.422702000	-1.218358000
1	-0.206365000	4.052624000	-1.460086000
6	1.387507000	3.713227000	0.006133000
1	2.441130000	4.001398000	0.098388000
6	-1.645089000	2.017311000	-0.424220000
6	-0.958260000	1.039531000	1.768514000
6	2.378265000	1.312834000	2.607566000
1	2.303025000	2.339846000	2.977939000
1	3.167430000	0.814795000	3.182690000
1	1.435821000	0.804224000	2.818109000
6	4.089189000	1.949022000	0.847337000
1	4.362515000	1.940024000	-0.212595000
1	4.876434000	1.422192000	1.399254000
1	4.089870000	2.988699000	1.190673000
6	-3.202615000	-3.539238000	0.665328000
1	-4.271458000	-3.304646000	0.606012000
1	-3.087004000	-4.350857000	1.393746000
1	-2.884293000	-3.924971000	-0.307657000

6	-4.245539000	0.168382000	-1.880312000
1	-3.638419000	1.068894000	-2.004743000
1	-5.294507000	0.453435000	-2.023598000
1	-3.985196000	-0.534703000	-2.676138000
6	-4.596425000	0.522985000	0.601084000
1	-4.509647000	0.113729000	1.609527000
1	-5.656022000	0.736864000	0.417623000
1	-4.054150000	1.471616000	0.576344000
6	-2.823917000	-1.873190000	2.525936000
1	-2.296663000	-0.979692000	2.865113000
1	-2.617959000	-2.676134000	3.243364000
1	-3.899955000	-1.673258000	2.562337000
1	1.122840000	-1.476068000	-0.906839000
1	0.674778000	-1.168523000	1.222939000
1	4.900834000	-2.550564000	1.059464000
1	2.333200000	-1.802330000	1.651559000
7	1.657899000	-2.246432000	-0.433239000
1	1.167281000	-3.122646000	-0.619826000
6	3.046706000	-2.322520000	-0.959057000
1	3.535782000	-1.378899000	-0.692019000
6	3.023426000	-2.469187000	-2.486173000
1	2.590193000	-3.433626000	-2.775273000
1	2.426462000	-1.677526000	-2.946139000
1	4.037582000	-2.412055000	-2.893009000
6	3.842075000	-3.468995000	-0.317194000
1	3.236797000	-4.381554000	-0.312535000
1	4.729762000	-3.660904000	-0.934090000
6	1.321329000	-2.080700000	1.312868000
8	4.218870000	-3.235679000	1.039366000
8	0.783780000	-3.153461000	1.752970000

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25	0.649350000	0.725644000	-0.022649000
15	-1.419058000	1.749546000	0.057127000
15	2.352468000	-0.834800000	0.197294000
8	2.249632000	3.124621000	0.388691000
8	0.954606000	1.005393000	-2.945971000
7	0.151436000	0.121011000	1.744809000
6	-0.768798000	0.905976000	2.580694000
1	-0.253719000	1.790434000	2.992702000
1	-1.101294000	0.312275000	3.447947000
6	1.060528000	-0.641013000	2.610192000
1	0.484274000	-1.182255000	3.379559000
1	1.737819000	0.036888000	3.157035000

6	-2.789132000	0.983873000	-0.983641000
1	-2.683652000	-0.075995000	-0.717618000
6	4.125998000	-0.273799000	0.436516000
1	4.736346000	-1.185313000	0.452974000
6	1.865556000	-1.649034000	1.792840000
1	1.221164000	-2.493092000	1.524517000
1	2.722585000	-2.045982000	2.345214000
6	2.426740000	-2.301744000	-0.977368000
1	1.375297000	-2.610413000	-1.027770000
6	-1.994643000	1.332910000	1.774777000
1	-2.546052000	2.149782000	2.247988000
1	-2.679149000	0.485624000	1.686920000
6	-0.901555000	4.093662000	-1.411711000
1	0.176118000	3.910432000	-1.370197000
1	-1.057002000	5.172618000	-1.527452000
1	-1.289567000	3.602280000	-2.306739000
6	-1.019551000	4.347153000	1.101219000
1	-1.542341000	4.090298000	2.026387000
1	-1.124656000	5.428210000	0.952595000
1	0.043981000	4.133345000	1.238179000
6	-1.588322000	3.606863000	-0.123112000
1	-2.662382000	3.819829000	-0.188451000
6	1.610647000	2.159351000	0.181918000
6	0.812020000	0.865213000	-1.788078000
6	-2.587930000	1.108159000	-2.501637000
1	-2.766630000	2.131998000	-2.845559000
1	-3.309310000	0.462382000	-3.016002000
1	-1.586789000	0.812681000	-2.818547000
6	-4.203041000	1.448610000	-0.593078000
1	-4.408357000	1.338449000	0.475596000
1	-4.946929000	0.853585000	-1.136770000
1	-4.366892000	2.497276000	-0.863495000
6	3.251502000	-3.486749000	-0.444023000
1	4.317467000	-3.240273000	-0.386175000
1	3.150118000	-4.336043000	-1.130265000
1	2.925395000	-3.822577000	0.544392000
6	4.304242000	0.453130000	1.781392000
1	3.642747000	1.321749000	1.853822000
1	5.336526000	0.811732000	1.868575000
1	4.108668000	-0.199366000	2.636462000
6	4.600326000	0.621858000	-0.722561000
1	4.481350000	0.150197000	-1.699806000
1	5.663829000	0.854246000	-0.591647000
1	4.051550000	1.567006000	-0.736570000
6	2.867185000	-1.949488000	-2.407692000
1	2.350289000	-1.074367000	-2.805025000

1	2.648298000	-2.795900000	-3.068713000
1	3.945448000	-1.768001000	-2.458089000
1	-1.046123000	-1.480457000	0.922649000
1	-0.635868000	-1.299165000	-1.769109000
1	-4.810022000	-2.011689000	-0.655604000
1	-2.317045000	-2.068797000	-2.073568000
7	-1.627311000	-2.213419000	0.499744000
1	-1.095618000	-3.082095000	0.534506000
6	-2.895056000	-2.375191000	1.221337000
1	-3.378601000	-1.389307000	1.247934000
6	-2.709504000	-2.860479000	2.669181000
1	-2.265753000	-3.863761000	2.682854000
1	-2.035671000	-2.186365000	3.207925000
1	-3.662774000	-2.898336000	3.209002000
6	-3.833379000	-3.311696000	0.450318000
1	-3.314824000	-4.250473000	0.225594000
1	-4.705442000	-3.551155000	1.074630000
6	-1.225845000	-2.196424000	-2.024033000
8	-4.257146000	-2.788796000	-0.813928000
8	-0.681907000	-3.256769000	-2.309474000

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33

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15	-0.042097000	2.291232000	0.093182000
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8	-0.877221000	0.158948000	-3.076441000
7	-0.808594000	0.240280000	2.017382000
6	-1.644057000	-0.789404000	2.669205000
1	-2.693275000	-0.514336000	2.522237000
1	-1.450072000	-0.822331000	3.752101000
6	-0.954346000	1.588727000	2.607696000
1	-0.798887000	1.555841000	3.696865000
1	-1.976565000	1.932472000	2.420856000
6	-0.117794000	-3.181775000	-0.381865000
1	0.758667000	-2.789323000	0.148757000
6	-0.866861000	3.863954000	-0.532080000
1	-0.118394000	4.664070000	-0.474384000
6	0.072742000	2.511276000	1.948740000
1	1.076598000	2.193972000	2.248082000
1	-0.058998000	3.549884000	2.262478000
6	1.763342000	2.460441000	-0.400841000
1	2.189785000	1.596717000	0.122912000
6	-1.338182000	-2.144639000	2.027338000

1	-2.003923000	-2.925703000	2.404722000
1	-0.313447000	-2.443582000	2.278321000
6	-3.401234000	-2.439439000	-1.774128000
1	-3.515817000	-1.361702000	-1.930028000
1	-4.342420000	-2.927794000	-2.054224000
1	-2.625481000	-2.793003000	-2.458321000
6	-4.220004000	-2.267948000	0.606441000
1	-4.066345000	-2.539726000	1.654928000
1	-5.156876000	-2.736532000	0.281450000
1	-4.353403000	-1.184588000	0.548574000
6	-3.070440000	-2.739867000	-0.301263000
1	-2.957640000	-3.823288000	-0.173700000
6	-2.712630000	0.825730000	-0.142888000
6	-0.955052000	0.204484000	-1.901203000
6	0.197188000	-3.116403000	-1.883428000
1	-0.618174000	-3.528831000	-2.486493000
1	1.088626000	-3.719755000	-2.100661000
1	0.379707000	-2.091143000	-2.212170000
6	-0.357264000	-4.630695000	0.071119000
1	-0.588450000	-4.703942000	1.138739000
1	0.541130000	-5.231460000	-0.116745000
1	-1.178997000	-5.092922000	-0.486467000
6	2.460802000	3.737016000	0.096169000
1	2.095848000	4.625608000	-0.430884000
1	3.538744000	3.666743000	-0.096478000
1	2.327590000	3.901678000	1.169924000
6	-2.076854000	4.275276000	0.326038000
1	-2.845902000	3.497982000	0.326567000
1	-2.525625000	5.185618000	-0.089943000
1	-1.805715000	4.490812000	1.363494000
6	-1.302411000	3.692713000	-1.998781000
1	-0.476304000	3.409288000	-2.655327000
1	-1.724377000	4.632693000	-2.374985000
1	-2.070441000	2.917601000	-2.080665000
6	2.002831000	2.258800000	-1.904395000
1	1.497453000	1.368303000	-2.282470000
1	3.076642000	2.139783000	-2.093263000
1	1.664617000	3.126672000	-2.480737000
1	0.171258000	-0.027506000	2.154240000
1	0.478423000	-0.260205000	-0.157526000
1	2.857074000	-2.008817000	-1.898154000
1	2.367013000	-1.878086000	1.471263000
7	3.841321000	-0.552182000	0.954341000
1	4.213098000	0.384405000	1.079401000
6	4.589194000	-1.480823000	0.103910000
1	4.110344000	-2.461402000	0.215213000

6	6.046425000	-1.575824000	0.573168000
1	6.548877000	-0.606075000	0.477709000
1	6.090967000	-1.884439000	1.621205000
1	6.598042000	-2.304661000	-0.028349000
6	4.509465000	-1.074940000	-1.376491000
1	4.860696000	-0.044130000	-1.494813000
1	5.177464000	-1.728103000	-1.955362000
6	2.731974000	-0.854306000	1.649243000
8	3.187313000	-1.099937000	-1.902214000
8	2.156430000	-0.082975000	2.428680000

-2063.366039

TS14

25	-0.075334000	-0.589415000	-0.137335000
15	2.214778000	-0.871680000	0.156943000
15	-2.388459000	-0.395388000	0.185032000
8	-0.372695000	-3.195561000	-1.453172000
8	0.016552000	0.923504000	-2.652823000
7	-0.179540000	-1.293676000	1.896431000
6	1.012699000	-2.040662000	2.362242000
1	0.982191000	-3.033246000	1.903066000
1	0.973468000	-2.178868000	3.451749000
6	-1.434944000	-2.021893000	2.208566000
1	-1.453306000	-2.311637000	3.268761000
1	-1.455566000	-2.938695000	1.610924000
6	3.376705000	0.600869000	0.059954000
1	2.836092000	1.351164000	0.643610000
6	-3.561448000	-1.312631000	-0.965703000
1	-4.539058000	-0.835484000	-0.820736000
6	-2.623196000	-1.120685000	1.886677000
1	-2.627620000	-0.269642000	2.574163000
1	-3.568133000	-1.656447000	1.998097000
6	-3.202110000	1.276686000	0.386300000
1	-2.507628000	1.766340000	1.076084000
6	2.289778000	-1.300304000	1.968830000
1	3.179402000	-1.879113000	2.232342000
1	2.346178000	-0.351291000	2.514813000
6	2.881622000	-2.187418000	-2.257507000
1	1.844242000	-2.442274000	-2.484821000
1	3.524987000	-2.917110000	-2.762972000
1	3.087672000	-1.206969000	-2.691347000
6	2.849064000	-3.641250000	-0.186136000
1	3.123116000	-3.742243000	0.867699000
1	3.433331000	-4.379910000	-0.747175000
1	1.794299000	-3.905302000	-0.298025000

6	3.146761000	-2.237113000	-0.740694000
1	4.209007000	-2.027811000	-0.567594000
6	-0.258138000	-2.159976000	-0.916033000
6	-0.014666000	0.290195000	-1.663600000
6	3.549876000	1.141699000	-1.368936000
1	4.225755000	0.507333000	-1.950788000
1	3.994994000	2.142240000	-1.329277000
1	2.602452000	1.215943000	-1.908540000
6	4.744519000	0.387362000	0.729764000
1	4.658105000	0.078362000	1.775168000
1	5.305566000	1.329108000	0.709871000
1	5.344825000	-0.360229000	0.200605000
6	-4.601193000	1.215743000	1.060890000
1	-4.949741000	0.198712000	1.264137000
1	-5.356438000	1.686927000	0.423558000
1	-4.595694000	1.748489000	2.016748000
6	-3.710185000	-2.807394000	-0.632783000
1	-2.756188000	-3.335946000	-0.705726000
1	-4.398149000	-3.270243000	-1.350142000
1	-4.120751000	-2.974071000	0.366612000
6	-3.143629000	-1.124647000	-2.436379000
1	-2.997102000	-0.075552000	-2.702871000
1	-3.920006000	-1.533917000	-3.093382000
1	-2.210999000	-1.653169000	-2.648987000
6	-3.248098000	2.067359000	-0.929278000
1	-2.277899000	2.103358000	-1.426534000
1	-3.550247000	3.101121000	-0.727052000
1	-3.983149000	1.642377000	-1.620991000
1	-0.239319000	-0.389486000	2.405968000
1	0.112169000	0.987580000	0.676907000
1	-0.253510000	3.110535000	-2.214544000
1	1.257564000	1.687889000	1.897999000
7	-0.003899000	3.100401000	1.050980000
1	-0.931263000	3.163375000	0.638541000
6	1.031501000	3.465962000	0.075751000
1	1.352989000	2.566676000	-0.475910000
6	2.251309000	4.088598000	0.770032000
1	1.985361000	5.058256000	1.205247000
1	2.619982000	3.452315000	1.579230000
1	3.070485000	4.236201000	0.057776000
6	0.478276000	4.442472000	-0.963761000
1	0.058650000	5.321867000	-0.462966000
1	1.301664000	4.778096000	-1.609290000
6	0.178089000	1.810789000	1.681082000
8	-0.584961000	3.889450000	-1.741931000
8	-0.648359000	1.448375000	2.614950000

-2063.339233

34

25	-0.066477000	-0.587945000	-0.136880000
15	2.227237000	-0.845715000	0.150803000
15	-2.382684000	-0.415184000	0.192067000
8	-0.330645000	-3.203301000	-1.441939000
8	-0.008014000	0.928584000	-2.650417000
7	-0.156424000	-1.296169000	1.896580000
6	1.040663000	-2.042796000	2.348900000
1	1.014269000	-3.029334000	1.877010000
1	1.006894000	-2.194473000	3.436873000
6	-1.411223000	-2.021817000	2.218115000
1	-1.422416000	-2.310843000	3.278635000
1	-1.440222000	-2.938245000	1.620979000
6	3.371821000	0.640418000	0.061635000
1	2.821107000	1.383461000	0.644887000
6	-3.545901000	-1.382143000	-0.929654000
1	-4.533421000	-0.926252000	-0.788784000
6	-2.593805000	-1.109188000	1.906924000
1	-2.559843000	-0.248034000	2.580650000
1	-3.548886000	-1.620163000	2.047721000
6	-3.206264000	1.260677000	0.344686000
1	-2.500975000	1.794272000	0.990587000
6	2.310677000	-1.288110000	1.959217000
1	3.206252000	-1.860242000	2.216555000
1	2.358963000	-0.342866000	2.512752000
6	2.898198000	-2.141837000	-2.273952000
1	1.864255000	-2.415538000	-2.494971000
1	3.551660000	-2.857481000	-2.786604000
1	3.082632000	-1.156207000	-2.705577000
6	2.904570000	-3.603557000	-0.208285000
1	3.185580000	-3.703670000	0.843897000
1	3.498614000	-4.329971000	-0.774917000
1	1.853955000	-3.885167000	-0.315841000
6	3.174923000	-2.192430000	-0.759177000
1	4.234721000	-1.965741000	-0.593149000
6	-0.230763000	-2.163474000	-0.910209000
6	-0.023316000	0.292243000	-1.662423000
6	3.543194000	1.185637000	-1.365744000
1	4.224041000	0.557026000	-1.948144000
1	3.981522000	2.188936000	-1.323124000
1	2.595890000	1.255052000	-1.906369000
6	4.739929000	0.441401000	0.735447000
1	4.653547000	0.131551000	1.780640000

1	5.290806000	1.389188000	0.717398000
1	5.350025000	-0.299631000	0.208409000
6	-4.571332000	1.236401000	1.054774000
1	-5.316036000	0.668977000	0.486519000
1	-4.946130000	2.263030000	1.147114000
1	-4.518467000	0.815571000	2.062365000
6	-3.658056000	-2.871062000	-0.557562000
1	-2.695340000	-3.382419000	-0.635032000
1	-4.348628000	-3.364469000	-1.251652000
1	-4.048318000	-3.021851000	0.452535000
6	-3.146810000	-1.224122000	-2.409097000
1	-3.042522000	-0.179572000	-2.709815000
1	-3.913530000	-1.681690000	-3.045414000
1	-2.197651000	-1.724740000	-2.615021000
6	-3.318265000	1.975897000	-1.009252000
1	-2.380386000	1.960565000	-1.565618000
1	-3.589497000	3.025409000	-0.852494000
1	-4.100459000	1.522408000	-1.627747000
1	-0.211691000	-0.394104000	2.409252000
1	0.108724000	0.989552000	0.677822000
1	-0.376832000	3.083187000	-2.175115000
1	1.254624000	1.700415000	1.897401000
7	-0.024760000	3.104566000	1.064206000
1	-0.962388000	3.167449000	0.675777000
6	0.984428000	3.477108000	0.065030000
1	1.307088000	2.577687000	-0.485755000
6	2.209056000	4.124098000	0.727010000
1	1.935702000	5.089310000	1.167381000
1	2.609302000	3.496028000	1.527340000
1	3.007209000	4.285812000	-0.005880000
6	0.389826000	4.435413000	-0.969028000
1	-0.016850000	5.319966000	-0.466789000
1	1.187635000	4.765645000	-1.648665000
6	0.172787000	1.817569000	1.689663000
8	-0.697865000	3.864205000	-1.698251000
8	-0.645804000	1.445209000	2.624770000

-2063.343461

TS15

25	0.287498000	-0.593069000	-0.120983000
15	2.457538000	0.187670000	0.174682000
15	-1.926670000	-1.258060000	0.118063000
8	1.176248000	-3.298987000	-0.733148000
8	0.063790000	0.142970000	-2.970002000
7	0.323746000	-0.794847000	1.917349000

6	1.654362000	-0.979184000	2.531856000
1	2.045849000	-1.979806000	2.299904000
1	1.576569000	-0.911562000	3.628820000
6	-0.657917000	-1.726380000	2.505545000
1	-0.660891000	-1.630509000	3.603107000
1	-0.383888000	-2.765902000	2.275795000
6	2.866131000	1.975534000	-0.225734000
1	1.978338000	2.508538000	0.126971000
6	-2.517858000	-2.898033000	-0.588281000
1	-3.613395000	-2.851341000	-0.551957000
6	-2.051612000	-1.395764000	1.965819000
1	-2.339201000	-0.403783000	2.330384000
1	-2.809374000	-2.111363000	2.295482000
6	-3.304312000	-0.060777000	-0.320563000
1	-2.909949000	0.888959000	0.055052000
6	2.602554000	0.111361000	2.025527000
1	3.629024000	-0.035221000	2.371756000
1	2.252096000	1.079041000	2.398528000
6	3.668253000	-1.162801000	-2.001368000
1	2.880025000	-1.914296000	-2.084173000
1	4.586169000	-1.591112000	-2.420966000
1	3.381804000	-0.312047000	-2.622300000
6	4.261824000	-2.027754000	0.298375000
1	4.546514000	-1.783913000	1.325281000
1	5.112866000	-2.539272000	-0.166488000
1	3.429598000	-2.735932000	0.330134000
6	3.910073000	-0.778123000	-0.528813000
1	4.765556000	-0.092544000	-0.485399000
6	0.815539000	-2.202837000	-0.520135000
6	0.151027000	-0.119855000	-1.833366000
6	2.980457000	2.230665000	-1.736602000
1	3.895491000	1.791136000	-2.147177000
1	3.028967000	3.310842000	-1.917729000
1	2.117976000	1.841987000	-2.281470000
6	4.099059000	2.516618000	0.517220000
1	4.011808000	2.422547000	1.603141000
1	4.222953000	3.581703000	0.286836000
1	5.017549000	2.007752000	0.204152000
6	-4.640912000	-0.339879000	0.386998000
1	-5.072728000	-1.295021000	0.069384000
1	-5.360068000	0.446371000	0.128433000
1	-4.545520000	-0.354922000	1.476038000
6	-2.068244000	-4.109969000	0.247186000
1	-0.978839000	-4.191989000	0.282135000
1	-2.453717000	-5.026895000	-0.213841000
1	-2.445262000	-4.075075000	1.272627000

6	-2.085208000	-3.070271000	-2.056850000
1	-2.354364000	-2.218428000	-2.684057000
1	-2.568972000	-3.960523000	-2.475594000
1	-1.004749000	-3.210911000	-2.133024000
6	-3.512373000	0.086713000	-1.836772000
1	-2.573128000	0.225060000	-2.378794000
1	-4.148898000	0.956558000	-2.035044000
1	-4.019956000	-0.790411000	-2.250833000
1	-0.051346000	0.388181000	2.318977000
1	-0.328688000	1.391139000	0.540593000
1	0.335664000	4.048833000	-1.388720000
1	0.356383000	2.874283000	1.229676000
7	-1.706799000	2.879757000	1.270625000
1	-2.497008000	2.251049000	1.381223000
6	-1.886530000	3.801478000	0.143298000
1	-1.256584000	4.682965000	0.343271000
6	-3.353160000	4.247704000	0.108160000
1	-4.008121000	3.410034000	-0.164024000
1	-3.663468000	4.616930000	1.090084000
1	-3.504358000	5.044464000	-0.626134000
6	-1.461812000	3.267749000	-1.240495000
1	-1.850848000	2.258785000	-1.394756000
1	-1.881196000	3.913759000	-2.025303000
6	-0.457740000	2.151965000	1.403913000
8	-0.043657000	3.159734000	-1.395524000
8	-0.374554000	1.498920000	2.602186000

-2063.338751

35

25	-0.892770000	0.365972000	-0.094497000
15	-1.557087000	-1.837654000	0.195152000
15	0.180476000	2.399730000	0.146491000
8	-3.516581000	1.419029000	-0.793464000
8	-0.275866000	0.087823000	-2.969343000
7	-0.852438000	0.399099000	1.861823000
6	-1.588056000	-0.605544000	2.647532000
1	-2.658293000	-0.346666000	2.699380000
1	-1.221324000	-0.617562000	3.687196000
6	-0.881724000	1.694035000	2.568754000
1	-0.682953000	1.547646000	3.642832000
1	-1.884389000	2.146403000	2.495571000
6	-0.440498000	-3.227498000	-0.410095000
1	0.539093000	-2.887290000	-0.055904000
6	-0.551466000	3.962500000	-0.587711000
1	0.190369000	4.755966000	-0.439543000

6	0.174179000	2.639787000	1.990778000
1	1.163516000	2.348170000	2.355969000
1	0.003933000	3.679749000	2.280827000
6	2.027822000	2.438934000	-0.217258000
1	2.391876000	1.707943000	0.516248000
6	-1.405234000	-1.996730000	2.039819000
1	-2.098717000	-2.729983000	2.461584000
1	-0.387108000	-2.347081000	2.241876000
6	-3.653945000	-2.053828000	-1.693062000
1	-3.678053000	-0.974573000	-1.863609000
1	-4.648184000	-2.452851000	-1.926030000
1	-2.947474000	-2.489398000	-2.402502000
6	-4.336850000	-1.740225000	0.722490000
1	-4.195247000	-2.054434000	1.759947000
1	-5.345022000	-2.046461000	0.419805000
1	-4.297004000	-0.647803000	0.686050000
6	-3.304527000	-2.373977000	-0.227729000
1	-3.332922000	-3.461526000	-0.087478000
6	-2.450421000	0.992216000	-0.543750000
6	-0.477802000	0.180284000	-1.818533000
6	-0.359372000	-3.359599000	-1.939762000
1	-1.273276000	-3.798354000	-2.351399000
1	0.461193000	-4.039143000	-2.202636000
1	-0.181740000	-2.403791000	-2.436153000
6	-0.734427000	-4.592713000	0.235933000
1	-0.736827000	-4.551341000	1.328706000
1	0.036388000	-5.311947000	-0.065857000
1	-1.699508000	-4.992823000	-0.092769000
6	2.687674000	3.792057000	0.096420000
1	2.423761000	4.547261000	-0.651567000
1	3.778281000	3.681313000	0.078514000
1	2.408702000	4.176415000	1.082935000
6	-1.845132000	4.379790000	0.135699000
1	-2.619408000	3.612953000	0.056775000
1	-2.236641000	5.294581000	-0.324942000
1	-1.681264000	4.592441000	1.195615000
6	-0.802178000	3.787546000	-2.095475000
1	0.110186000	3.541603000	-2.644893000
1	-1.204178000	4.717232000	-2.514838000
1	-1.529016000	2.990516000	-2.279829000
6	2.421313000	1.930156000	-1.611429000
1	2.060385000	0.916059000	-1.792348000
1	3.514966000	1.915089000	-1.692890000
1	2.046131000	2.582087000	-2.406498000
1	0.843618000	-0.078867000	2.197743000
1	1.651256000	-0.693000000	0.348760000

1	2.400506000	-2.548802000	-1.716408000
1	1.978625000	-2.149340000	1.315299000
7	3.644497000	-0.958636000	1.100605000
1	3.905351000	0.003573000	0.892234000
6	4.303202000	-1.882076000	0.167654000
1	3.892757000	-2.881979000	0.369839000
6	5.811132000	-1.908118000	0.452832000
1	6.259409000	-0.924542000	0.265664000
1	5.991724000	-2.170263000	1.498823000
1	6.322427000	-2.638376000	-0.183335000
6	4.060664000	-1.565137000	-1.320523000
1	4.379381000	-0.536841000	-1.525599000
1	4.663778000	-2.237287000	-1.948088000
6	2.203872000	-1.074380000	1.228946000
8	2.682678000	-1.624684000	-1.705441000
8	1.784213000	-0.371322000	2.380565000

-2063.342870

36

1	3.513776000	0.331613000	-0.072209000
1	1.577793000	1.195753000	-0.599846000
1	-0.957290000	2.169538000	0.944658000
1	1.349983000	0.696718000	1.092623000
7	0.542696000	-0.643397000	-0.257123000
1	0.498627000	-0.791069000	-1.262550000
6	-0.800780000	-0.477847000	0.305228000
1	-0.675553000	-0.331004000	1.387762000
6	-1.608647000	-1.761007000	0.074541000
1	-1.738916000	-1.949284000	-0.998395000
1	-1.089144000	-2.618820000	0.509615000
1	-2.603151000	-1.688326000	0.526117000
6	-1.575499000	0.731779000	-0.248973000
1	-1.651653000	0.645889000	-1.338839000
1	-2.595188000	0.740820000	0.162312000
6	1.549585000	0.330052000	0.077699000
8	-0.926338000	1.985377000	-0.004116000
8	2.824324000	-0.339865000	0.028821000

-364.156365

37

1	2.282309000	-2.784271000	2.652200000
1	1.682067000	-1.164288000	1.273632000
7	2.385210000	-2.215156000	-0.444158000
1	2.154449000	-3.203537000	-0.502598000

6	3.683582000	-1.920419000	-1.105434000
1	3.567716000	-1.001369000	-1.694011000
6	4.145279000	-3.044145000	-2.024901000
1	4.288922000	-3.973660000	-1.461998000
1	3.409621000	-3.224863000	-2.815339000
1	5.094499000	-2.780398000	-2.501976000
6	4.603801000	-1.635673000	0.086805000
1	5.076831000	-2.555653000	0.456974000
1	5.368009000	-0.881135000	-0.108154000
6	2.492216000	-1.830499000	0.958097000
8	3.699917000	-1.104738000	1.074918000
8	2.484557000	-3.017908000	1.734566000
25	-0.943160000	0.612189000	0.036614000
15	0.752865000	2.128985000	0.005912000
15	-1.917890000	-1.444317000	-0.067535000
8	-2.829301000	2.073906000	-1.698919000
8	-2.306425000	1.572840000	2.445898000
7	0.303622000	-0.310934000	-1.633486000
6	1.042197000	0.723326000	-2.382449000
1	0.312619000	1.348928000	-2.906990000
1	1.699554000	0.266257000	-3.138813000
6	-0.521701000	-1.204922000	-2.468381000
1	0.083770000	-1.675650000	-3.258780000
1	-1.297118000	-0.600423000	-2.949795000
6	1.973045000	2.121753000	1.438853000
1	2.362451000	1.098646000	1.375636000
6	-3.764892000	-1.668947000	-0.343868000
1	-3.971715000	-2.742962000	-0.260188000
6	-1.140081000	-2.274331000	-1.563300000
1	-0.348723000	-2.936595000	-1.196942000
1	-1.856111000	-2.894604000	-2.109320000
6	-1.464891000	-2.672243000	1.286239000
1	-0.375632000	-2.718401000	1.159715000
6	1.862250000	1.557087000	-1.393718000
1	2.365459000	2.388711000	-1.894895000
1	2.642028000	0.931481000	-0.945495000
6	-0.621329000	4.512206000	0.579899000
1	-1.575481000	3.993893000	0.438811000
1	-0.778731000	5.578439000	0.376847000
1	-0.339699000	4.411368000	1.631425000
6	0.030584000	4.178101000	-1.835203000
1	0.795749000	3.855074000	-2.547228000
1	-0.134990000	5.249819000	-1.999688000
1	-0.901340000	3.659165000	-2.073004000
6	0.446660000	3.946404000	-0.372050000
1	1.392956000	4.473420000	-0.201170000

6	-2.048892000	1.466205000	-1.053918000
6	-1.767248000	1.195353000	1.468519000
6	1.297907000	2.269670000	2.810054000
1	0.902539000	3.279260000	2.963737000
1	2.030800000	2.082298000	3.604626000
1	0.477744000	1.557085000	2.923881000
6	3.155198000	3.091777000	1.286908000
1	3.635831000	3.014960000	0.305847000
1	3.914828000	2.870689000	2.046641000
1	2.843656000	4.131880000	1.432299000
6	-2.037100000	-4.086323000	1.102578000
1	-3.113736000	-4.110791000	1.303454000
1	-1.558651000	-4.774775000	1.809789000
1	-1.871073000	-4.478432000	0.093536000
6	-4.202680000	-1.205521000	-1.744690000
1	-4.031424000	-0.135114000	-1.882349000
1	-5.276650000	-1.390541000	-1.868527000
1	-3.686187000	-1.739380000	-2.547930000
6	-4.564529000	-0.917124000	0.733621000
1	-4.336945000	-1.265456000	1.744220000
1	-5.639744000	-1.055142000	0.567368000
1	-4.348545000	0.155475000	0.693102000
6	-1.729640000	-2.141431000	2.703067000
1	-1.318923000	-1.137245000	2.829780000
1	-1.258280000	-2.804028000	3.439489000
1	-2.799614000	-2.110084000	2.932533000
1	0.065237000	-0.146383000	1.069144000
1	0.993813000	-0.908373000	-1.159050000

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TS16

1	0.598582000	2.623849000	2.476952000
1	-1.223537000	1.390652000	2.285372000
7	-0.539320000	2.932799000	-1.295318000
1	0.209375000	3.553359000	-0.970742000
6	-1.783426000	3.612910000	-1.147049000
1	-2.590930000	2.942747000	-1.488819000
6	-1.927041000	4.942593000	-1.934562000
1	-1.155059000	5.654686000	-1.614709000
1	-1.775303000	4.740690000	-2.999133000
1	-2.911100000	5.416717000	-1.806049000
6	-2.134318000	3.974759000	0.326100000
1	-1.409096000	4.674286000	0.747324000
1	-3.150778000	4.352953000	0.451778000
6	-1.100040000	2.310257000	1.732421000

8	-2.142095000	2.751067000	1.142119000
8	-0.077941000	3.093947000	1.959697000
25	0.341655000	-0.840012000	0.113959000
15	-1.905316000	-1.286926000	-0.086074000
15	2.381858000	0.190087000	-0.135169000
8	1.227922000	-3.405634000	-1.026696000
8	0.721357000	-1.812573000	2.853434000
7	-0.025760000	0.243228000	-1.803643000
6	-1.168559000	-0.289961000	-2.563601000
1	-0.900869000	-1.277115000	-2.957656000
1	-1.395744000	0.359383000	-3.424411000
6	1.192847000	0.336477000	-2.627853000
1	0.997504000	0.915304000	-3.544508000
1	1.498146000	-0.673599000	-2.926885000
6	-3.127773000	-0.549255000	1.138864000
1	-2.938568000	0.519561000	1.003638000
6	3.972362000	-0.816561000	-0.171684000
1	4.798680000	-0.102097000	-0.078636000
6	2.286625000	1.020628000	-1.806660000
1	1.994908000	2.060598000	-1.632878000
1	3.246074000	1.025762000	-2.330256000
6	2.777814000	1.667112000	0.957125000
1	1.939063000	2.326395000	0.702869000
6	-2.390768000	-0.387583000	-1.648764000
1	-3.238172000	-0.855486000	-2.158597000
1	-2.698433000	0.620311000	-1.349766000
6	-1.951834000	-3.969705000	0.764449000
1	-0.861415000	-4.027664000	0.700308000
1	-2.354677000	-4.983117000	0.648227000
1	-2.207692000	-3.623167000	1.769275000
6	-2.184115000	-3.608908000	-1.730185000
1	-2.648524000	-3.027067000	-2.531576000
1	-2.564169000	-4.634826000	-1.809129000
1	-1.106921000	-3.642326000	-1.908656000
6	-2.515111000	-3.051609000	-0.334745000
1	-3.606679000	-3.019640000	-0.241807000
6	0.867721000	-2.360544000	-0.616281000
6	0.571432000	-1.439022000	1.745794000
6	-2.821300000	-0.908383000	2.601203000
1	-3.082288000	-1.948541000	2.821250000
1	-3.414890000	-0.276099000	3.272787000
1	-1.763998000	-0.776283000	2.846077000
6	-4.610479000	-0.791242000	0.811357000
1	-4.850658000	-0.554914000	-0.230191000
1	-5.236098000	-0.155285000	1.449466000
1	-4.902722000	-1.829386000	1.001987000

6	4.079532000	2.409752000	0.616275000
1	4.962326000	1.831034000	0.908137000
1	4.117455000	3.359946000	1.162729000
1	4.159185000	2.637117000	-0.451384000
6	4.159069000	-1.584139000	-1.492697000
1	3.342167000	-2.287431000	-1.669423000
1	5.090205000	-2.161899000	-1.446997000
1	4.230957000	-0.918016000	-2.357024000
6	4.015315000	-1.784481000	1.023673000
1	3.927096000	-1.269052000	1.983945000
1	4.963868000	-2.334838000	1.025735000
1	3.199173000	-2.510634000	0.961719000
6	2.704076000	1.341701000	2.457014000
1	1.797655000	0.781861000	2.710966000
1	2.744898000	2.264966000	3.051909000
1	3.555671000	0.734037000	2.778901000
1	-0.156157000	0.612394000	0.819178000
1	-0.268565000	1.247349000	-1.518493000

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1	0.757874000	1.745280000	-3.161488000
1	0.048717000	3.785586000	-1.411214000
7	0.346157000	2.571368000	1.423080000
1	-0.179017000	3.093923000	2.118727000
6	1.757632000	2.990741000	1.400228000
1	2.375368000	2.089512000	1.310380000
6	2.177500000	3.743922000	2.670847000
1	1.589663000	4.664371000	2.785569000
1	2.005914000	3.119831000	3.554104000
1	3.237192000	4.021938000	2.646487000
6	2.051431000	3.837482000	0.152683000
1	1.368193000	4.702039000	0.122652000
1	3.079785000	4.213174000	0.193482000
6	0.660520000	2.891394000	-1.591748000
8	1.969711000	3.102146000	-1.070450000
8	0.759819000	2.696588000	-2.978412000
25	-0.360124000	-0.804539000	-0.029662000
15	1.900085000	-1.295867000	0.147952000
15	-2.453170000	0.160908000	0.243219000
8	-1.280219000	-3.520915000	-0.556948000
8	-0.121576000	-0.190801000	-2.902267000
7	-0.249300000	-0.578286000	1.875194000
6	0.849064000	-1.136242000	2.675340000
1	0.667094000	-2.201769000	2.896673000

1	0.904613000	-0.626678000	3.651182000
6	-1.442166000	-0.428622000	2.722812000
1	-1.160551000	-0.017107000	3.705651000
1	-1.899252000	-1.412728000	2.921644000
6	3.135374000	-0.145779000	-0.679621000
1	2.672069000	0.836271000	-0.526545000
6	-4.012820000	-0.826848000	-0.080555000
1	-4.851569000	-0.135048000	0.066259000
6	-2.458186000	0.505500000	2.067437000
1	-2.134027000	1.542713000	2.191529000
1	-3.454255000	0.416027000	2.509901000
6	-2.764069000	1.878789000	-0.456298000
1	-1.869947000	2.407398000	-0.100523000
6	2.181654000	-0.961043000	1.951109000
1	2.980246000	-1.576144000	2.376720000
1	2.492082000	0.084666000	2.030300000
6	2.160718000	-3.554846000	-1.547998000
1	1.077685000	-3.656642000	-1.651098000
1	2.605220000	-4.545799000	-1.699543000
1	2.514895000	-2.907240000	-2.351464000
6	2.013375000	-4.006345000	0.930633000
1	2.366616000	-3.749586000	1.932801000
1	2.363475000	-5.021080000	0.707634000
1	0.919221000	-4.028711000	0.946788000
6	2.534028000	-3.036632000	-0.146342000
1	3.627624000	-2.981873000	-0.067099000
6	-0.908342000	-2.418884000	-0.388759000
6	-0.231041000	-0.424487000	-1.750375000
6	3.277310000	-0.348778000	-2.198005000
1	3.882242000	-1.233013000	-2.424198000
1	3.792944000	0.518261000	-2.626839000
1	2.316952000	-0.449684000	-2.706648000
6	4.526356000	-0.140215000	-0.020864000
1	4.495424000	0.114477000	1.041896000
1	5.158077000	0.605355000	-0.518418000
1	5.024415000	-1.111102000	-0.123251000
6	-4.005994000	2.572569000	0.131086000
1	-4.930987000	2.091991000	-0.205784000
1	-4.036810000	3.613492000	-0.212379000
1	-4.009627000	2.586977000	1.224612000
6	-4.161396000	-1.984814000	0.923224000
1	-3.310021000	-2.669115000	0.873041000
1	-5.064163000	-2.559552000	0.685279000
1	-4.257870000	-1.634385000	1.954427000
6	-4.051004000	-1.356093000	-1.525016000
1	-3.974808000	-0.558679000	-2.267147000

1	-4.995844000	-1.884411000	-1.698391000
1	-3.235031000	-2.061160000	-1.704182000
6	-2.788694000	1.958896000	-1.991453000
1	-1.954490000	1.434811000	-2.459301000
1	-2.734731000	3.010081000	-2.298255000
1	-3.720291000	1.551573000	-2.396784000
1	0.197173000	2.029278000	-1.103181000
1	0.244504000	1.574626000	1.626505000

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1	-1.144196000	-4.047445000	0.543872000
1	-1.464528000	-1.864140000	0.983653000
7	-3.596439000	-2.092619000	0.881151000
1	-3.614603000	-1.484479000	1.691573000
6	-4.316463000	-1.540266000	-0.283364000
1	-4.234214000	-0.443240000	-0.308382000
6	-5.790616000	-1.930656000	-0.306146000
1	-5.897461000	-3.020411000	-0.294383000
1	-6.310049000	-1.523471000	0.567104000
1	-6.279061000	-1.535383000	-1.204056000
6	-3.490455000	-2.125880000	-1.431503000
1	-3.814362000	-3.146389000	-1.675851000
1	-3.494985000	-1.513916000	-2.335330000
6	-2.253325000	-2.440457000	0.485401000
8	-2.151486000	-2.142360000	-0.905350000
8	-2.072007000	-3.829328000	0.718476000
25	0.929663000	0.651915000	0.103474000
15	2.195312000	-1.227174000	-0.097633000
15	-0.948279000	1.939556000	0.017811000
8	2.760210000	2.532613000	-1.246192000
8	1.868382000	1.480589000	2.753288000
7	-0.001668000	-0.187355000	-1.795219000
6	0.988350000	-0.936810000	-2.591673000
1	1.743989000	-0.227527000	-2.943887000
1	0.517651000	-1.397047000	-3.473967000
6	-0.726942000	0.859151000	-2.540402000
1	-1.213639000	0.441028000	-3.434922000
1	0.002266000	1.605793000	-2.869448000
6	1.870932000	-2.631072000	1.113342000
1	0.802503000	-2.803259000	0.930598000
6	-0.865712000	3.817232000	-0.022053000
1	-1.892203000	4.187000000	0.092016000
6	-1.768332000	1.482897000	-1.607895000
1	-2.540938000	0.739472000	-1.386052000

1	-2.266429000	2.334806000	-2.077933000
6	-2.325952000	1.523333000	1.226543000
1	-2.467850000	0.462249000	0.988945000
6	1.619487000	-2.011491000	-1.702317000
1	2.425999000	-2.534930000	-2.223114000
1	0.860565000	-2.760121000	-1.448027000
6	4.667441000	-0.329689000	0.887091000
1	4.291520000	0.698381000	0.866582000
1	5.759696000	-0.296518000	0.795783000
1	4.427122000	-0.751764000	1.866199000
6	4.498651000	-0.549322000	-1.620894000
1	4.147292000	-1.137833000	-2.473495000
1	5.593747000	-0.522347000	-1.672127000
1	4.136057000	0.474816000	-1.738602000
6	4.066346000	-1.146148000	-0.270043000
1	4.440837000	-2.175521000	-0.216269000
6	2.013272000	1.766631000	-0.748171000
6	1.500432000	1.156850000	1.682330000
6	2.008800000	-2.210669000	2.583514000
1	3.053738000	-2.034969000	2.858549000
1	1.630630000	-3.009485000	3.232929000
1	1.439333000	-1.301410000	2.788199000
6	2.636181000	-3.931344000	0.825519000
1	2.557903000	-4.240968000	-0.221773000
1	2.234600000	-4.742904000	1.444200000
1	3.698877000	-3.831387000	1.071367000
6	-3.651910000	2.263733000	0.997113000
1	-3.577182000	3.317569000	1.286214000
1	-4.439400000	1.812028000	1.612796000
1	-3.982677000	2.222583000	-0.045864000
6	-0.309094000	4.343742000	-1.356738000
1	0.706899000	3.982000000	-1.534265000
1	-0.272301000	5.439396000	-1.328345000
1	-0.927991000	4.061172000	-2.213235000
6	-0.009661000	4.334722000	1.146872000
1	-0.387728000	4.012175000	2.120316000
1	0.008950000	5.431177000	1.141055000
1	1.020294000	3.975410000	1.054174000
6	-1.887263000	1.599496000	2.695560000
1	-0.944458000	1.070512000	2.852186000
1	-2.651960000	1.140852000	3.334327000
1	-1.765414000	2.635479000	3.027836000
1	-0.067924000	-0.380858000	0.892541000
1	-0.695044000	-0.855962000	-1.449025000

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TS17

1	-2.193433000	-3.800531000	-1.275326000
1	-0.386110000	-2.623398000	0.208090000
7	-2.268117000	-2.344225000	0.909709000
1	-1.842099000	-1.486730000	1.277250000
6	-3.682689000	-2.274244000	0.536843000
1	-4.136057000	-1.507502000	1.171184000
6	-4.431997000	-3.591491000	0.751337000
1	-4.068726000	-4.382755000	0.092159000
1	-4.333848000	-3.931208000	1.786951000
1	-5.493859000	-3.429585000	0.541860000
6	-3.664983000	-1.788307000	-0.986265000
1	-4.561405000	-2.232758000	-1.450299000
1	-3.810708000	-0.694248000	-0.991196000
6	-1.414030000	-2.954338000	0.107857000
8	-2.503469000	-2.167828000	-1.631552000
8	-1.620918000	-4.122285000	-0.511509000
25	0.664213000	0.664415000	0.171752000
15	2.219527000	-1.009416000	-0.014002000
15	-1.242967000	1.908418000	-0.057188000
8	2.407556000	2.707235000	-1.042856000
8	1.353163000	1.491496000	2.897724000
7	-0.071676000	-0.196785000	-1.787043000
6	1.023403000	-0.868738000	-2.520938000
1	1.722957000	-0.094971000	-2.850567000
1	0.636943000	-1.376817000	-3.416670000
6	-0.735194000	0.860605000	-2.583571000
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1	0.016259000	1.619847000	-2.820558000
6	2.242273000	-2.424412000	1.228873000
1	1.177606000	-2.652411000	1.346910000
6	-1.184180000	3.790124000	-0.026972000
1	-2.219538000	4.133780000	0.081999000
6	-1.877062000	1.463338000	-1.763173000
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1	-2.328022000	2.314329000	-2.279487000
6	-2.720530000	1.464266000	1.015639000
1	-2.845157000	0.408898000	0.751505000
6	1.729411000	-1.871142000	-1.603972000
1	2.583442000	-2.331661000	-2.108139000
1	1.040676000	-2.685081000	-1.354126000
6	4.492200000	0.454306000	0.809758000
1	4.023090000	1.418833000	0.601229000
1	5.579383000	0.587763000	0.755733000
1	4.239439000	0.178894000	1.835587000

6	4.410647000	-0.129969000	-1.641559000
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1	5.483437000	0.092679000	-1.686217000
1	3.875196000	0.785517000	-1.906893000
6	4.050090000	-0.601407000	-0.221789000
1	4.596450000	-1.531920000	-0.025592000
6	1.696086000	1.879001000	-0.599615000
6	1.088145000	1.177343000	1.795857000
6	2.759571000	-1.984862000	2.608710000
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6	2.962696000	-3.697405000	0.754837000
1	2.564549000	-4.080729000	-0.189181000
1	2.844075000	-4.486442000	1.507183000
1	4.037631000	-3.530250000	0.627015000
6	-4.028987000	2.192883000	0.673532000
1	-3.997066000	3.242132000	0.985417000
1	-4.863660000	1.720806000	1.205695000
1	-4.258231000	2.163082000	-0.396620000
6	-0.619302000	4.397416000	-1.323726000
1	0.407048000	4.071566000	-1.508051000
1	-0.608697000	5.490405000	-1.234537000
1	-1.221827000	4.149730000	-2.201946000
6	-0.368962000	4.275079000	1.185095000
1	-0.752962000	3.889635000	2.132979000
1	-0.390881000	5.370242000	1.234982000
1	0.674609000	3.958318000	1.097723000
6	-2.414667000	1.530522000	2.518626000
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1	-0.795445000	-0.898605000	-1.585492000

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1	-1.721637000	-1.944318000	0.598613000
1	-3.641692000	-2.747199000	2.558477000
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1	-5.024930000	-2.855655000	0.837274000
6	-4.147842000	-1.711315000	-0.621749000
1	-4.247029000	-0.669682000	-0.260794000
6	-5.375693000	-2.050986000	-1.472189000
1	-5.316456000	-3.082335000	-1.840762000

1	-6.301484000	-1.948706000	-0.893442000
1	-5.447119000	-1.382656000	-2.336516000
6	-2.860626000	-1.773354000	-1.476291000
1	-2.794988000	-2.806719000	-1.878772000
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6	-3.319801000	-2.162882000	1.688209000
8	-1.699409000	-1.403064000	-0.798268000
8	-1.930778000	-2.328426000	1.534848000
25	0.919737000	0.567737000	0.063794000
15	2.078170000	-1.430607000	-0.175123000
15	-0.841506000	2.072292000	-0.028420000
8	3.025890000	2.359649000	-0.864000000
8	1.747223000	1.119427000	2.840448000
7	0.207131000	0.065336000	-1.850516000
6	1.149482000	-0.727311000	-2.672311000
1	2.014221000	-0.101702000	-2.921949000
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6	-0.374704000	1.203214000	-2.599791000
1	-0.780162000	0.857307000	-3.561304000
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6	1.457023000	-2.842429000	0.886664000
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6	-0.579046000	3.908733000	0.209650000
1	-1.576743000	4.355851000	0.300308000
6	-1.485816000	1.837910000	-1.761486000
1	-2.326166000	1.141123000	-1.694193000
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6	1.573202000	-1.969009000	-1.886068000
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1	0.703168000	-2.621583000	-1.759136000
6	4.463403000	-0.696470000	1.118369000
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6	4.572063000	-0.877126000	-1.400241000
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6	1.397418000	0.884043000	1.751540000
6	1.635926000	-2.603987000	2.393251000
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1	1.123067000	4.103788000	-1.153950000
1	0.275173000	5.615020000	-0.809384000
1	-0.436383000	4.447311000	-1.924758000
6	0.214113000	4.179722000	1.500414000
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1	0.286504000	5.260660000	1.667220000
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6	-2.007939000	1.460137000	2.513137000
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1	-1.895760000	2.452717000	2.961224000
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1	-1.885564000	-2.010846000	0.910128000
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1	-4.167030000	-0.540419000	-0.494771000
6	-5.239600000	-1.899289000	-1.781867000
1	-5.216103000	-2.950329000	-2.093064000
1	-6.222772000	-1.695316000	-1.342472000
1	-5.136329000	-1.275009000	-2.675020000
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1	-2.683985000	-2.897877000	-1.735311000
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6	-3.671314000	-1.994210000	1.647550000
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8	2.967079000	2.247006000	-1.448724000
8	2.191652000	1.444574000	2.553036000
7	0.080922000	-0.070320000	-1.735422000
6	0.910998000	-0.930145000	-2.603065000
1	1.732127000	-0.338994000	-3.035063000
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6	1.356083000	-2.700935000	1.044394000
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1	-1.837701000	2.722289000	-2.178393000
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6	1.470536000	-2.108030000	-1.801698000
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1	0.671450000	-2.825999000	-1.595891000
6	4.560289000	-1.251265000	1.138155000
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1	5.649482000	-1.353331000	1.069454000
1	4.223852000	-1.863599000	1.978725000
6	4.545309000	-0.911567000	-1.367826000
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1	4.461451000	0.168671000	-1.225822000
6	3.916422000	-1.676612000	-0.190753000
1	4.084389000	-2.749927000	-0.344513000
6	2.198396000	1.593653000	-0.852708000
6	1.703413000	1.093236000	1.549455000
6	1.308031000	-2.200573000	2.496164000
1	2.305845000	-2.053198000	2.919391000
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1	0.764590000	-1.256177000	2.575720000
6	2.008424000	-4.088256000	0.937852000
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6	-3.341704000	2.409909000	1.147517000
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1	-3.717862000	2.594709000	0.135719000

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1	0.005739000	4.182338000	-1.984549000
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6	-1.590322000	1.234633000	2.574334000
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6	-3.749291000	-2.066854000	-0.691468000
1	-3.728430000	-1.009838000	-0.372857000
6	-4.990292000	-2.286414000	-1.562063000
1	-5.057513000	-3.332947000	-1.882078000
1	-5.902461000	-2.036417000	-1.009543000
1	-4.956156000	-1.657380000	-2.457058000
6	-2.481902000	-2.328605000	-1.521034000
1	-2.493146000	-3.374804000	-1.854354000
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8	-1.277873000	-2.101513000	-0.788539000
8	-1.787909000	-2.725485000	1.780078000
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8	2.715809000	2.728140000	-0.554024000
8	1.294914000	1.001082000	2.931916000
7	0.177716000	0.028502000	-1.725824000
6	1.108881000	-0.677922000	-2.625805000
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1	0.558179000	-1.108712000	-3.478164000
6	-0.689049000	0.909657000	-2.526116000
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6	4.539211000	-0.138090000	1.097763000
1	4.091490000	0.859678000	1.130339000
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1	5.665952000	0.005673000	-1.381475000
1	4.114480000	0.840662000	-1.516493000
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1	4.573511000	-1.884863000	-0.172129000
6	1.949342000	1.879650000	-0.283000000
6	1.073845000	0.821287000	1.794312000
6	1.988895000	-2.458127000	2.379650000
1	3.012709000	-2.274600000	2.720437000
1	1.626531000	-3.352510000	2.899581000
1	1.367448000	-1.616699000	2.689948000
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1	2.755496000	-4.109315000	-0.612695000
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1	3.827422000	-3.778871000	0.760691000
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1	-4.632962000	1.735335000	1.405413000
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1	-0.985518000	4.083485000	-2.233040000
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1	-0.113943000	5.423166000	1.155053000
1	0.920364000	3.989309000	1.066904000
6	-2.195161000	1.837466000	2.632714000
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1	-3.337500000	-1.357908000	1.821642000
1	-0.803336000	-1.272720000	-1.115877000

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1	0.897588000	-3.269365000	-0.065905000
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15	-2.300116000	-0.062288000	0.139604000
15	2.303577000	-0.072203000	0.143978000
8	0.005525000	3.018951000	-0.161762000
8	0.004543000	0.115036000	-3.075158000
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6	-1.224098000	0.332307000	2.645051000
1	-1.234664000	1.425386000	2.577749000
1	-1.198996000	0.064297000	3.710973000
6	1.225295000	0.310750000	2.651495000
1	1.195286000	0.032198000	3.714582000
1	1.247859000	1.404233000	2.595848000
6	-3.176920000	-1.595098000	-0.499736000
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6	3.415082000	1.372888000	-0.303917000
1	4.439416000	0.988625000	-0.250509000
6	2.460378000	-0.297428000	1.985473000
1	2.475042000	-1.376347000	2.170516000
1	3.383678000	0.125893000	2.389403000
6	3.180896000	-1.600445000	-0.507439000
1	2.711613000	-2.390642000	0.088982000
6	-2.462967000	-0.271252000	1.982210000
1	-3.384062000	0.161214000	2.381197000
1	-2.482756000	-1.348848000	2.173899000
6	-3.120885000	1.841703000	-1.766446000
1	-2.119360000	2.273561000	-1.850619000
1	-3.844735000	2.612027000	-2.056759000
1	-3.195223000	1.025635000	-2.490037000
6	-3.307222000	2.560254000	0.657516000
1	-3.593044000	2.280808000	1.675374000
1	-3.990586000	3.353695000	0.332856000
1	-2.301452000	2.984559000	0.685719000
6	-3.407119000	1.380668000	-0.326273000
1	-4.431880000	0.996531000	-0.279665000
6	0.004731000	1.847001000	-0.131479000

6	0.003911000	0.088147000	-1.906119000
6	-2.881286000	-1.891964000	-1.977067000
1	-3.325947000	-1.142691000	-2.639847000
1	-3.308535000	-2.864436000	-2.247975000
1	-1.806878000	-1.927454000	-2.174158000
6	-4.685467000	-1.633926000	-0.204491000
1	-4.912481000	-1.398495000	0.840575000
1	-5.069896000	-2.639541000	-0.410640000
1	-5.239462000	-0.936237000	-0.841233000
6	4.691581000	-1.636026000	-0.223394000
1	5.238816000	-0.934845000	-0.862127000
1	5.077231000	-2.639923000	-0.435443000
1	4.925615000	-1.403041000	0.820677000
6	3.306877000	2.546412000	0.686073000
1	2.300612000	2.969564000	0.710408000
1	3.991453000	3.342596000	0.370867000
1	3.586532000	2.260932000	1.703974000
6	3.141293000	1.841313000	-1.744122000
1	3.224994000	1.029227000	-2.471187000
1	3.865906000	2.614912000	-2.023435000
1	2.139505000	2.270973000	-1.836158000
6	2.874667000	-1.893374000	-1.983338000
1	1.798851000	-1.936509000	-2.170349000
1	3.306996000	-2.861344000	-2.262056000
1	3.306949000	-1.137930000	-2.647162000
1	-0.888659000	-3.275305000	-0.120126000
1	-0.001989000	-1.752014000	-0.120424000
1	-0.014465000	-1.234091000	2.029503000

-1814.897849

TS19

1	0.861485000	-3.439770000	0.001873000
6	0.014246000	-2.889824000	0.440516000
8	0.124645000	-2.685857000	1.795979000
25	-0.005298000	0.122096000	-0.119783000
15	-2.305232000	-0.085328000	0.156158000
15	2.298967000	-0.041130000	0.134307000
8	-0.015250000	3.035589000	-0.190528000
8	-0.004597000	0.140074000	-3.067926000
7	0.016185000	-0.193743000	1.909913000
6	-1.202751000	0.189308000	2.653796000
1	-1.279218000	1.284721000	2.702617000
1	-1.141106000	-0.173968000	3.691838000
6	1.213173000	0.288520000	2.632154000
1	1.178903000	-0.039491000	3.683050000

1	1.225168000	1.387752000	2.640032000
6	-3.168137000	-1.586897000	-0.586218000
1	-2.759439000	-2.399763000	0.024244000
6	3.405409000	1.398852000	-0.338310000
1	4.430752000	1.016849000	-0.283879000
6	2.479473000	-0.259731000	1.971270000
1	2.543920000	-1.336535000	2.154787000
1	3.384901000	0.206794000	2.367990000
6	3.157104000	-1.580293000	-0.520874000
1	2.682726000	-2.362258000	0.082538000
6	-2.441421000	-0.406978000	1.981205000
1	-3.368608000	-0.016248000	2.410152000
1	-2.437059000	-1.493191000	2.116412000
6	-3.294522000	1.849479000	-1.633406000
1	-2.285458000	2.229039000	-1.821908000
1	-4.002550000	2.663371000	-1.827636000
1	-3.496187000	1.055570000	-2.357890000
6	-3.257302000	2.520106000	0.816333000
1	-3.438857000	2.210082000	1.849109000
1	-3.977501000	3.313048000	0.582282000
1	-2.258103000	2.955197000	0.758069000
6	-3.446259000	1.364365000	-0.181668000
1	-4.462287000	0.977969000	-0.045754000
6	-0.013158000	1.863176000	-0.155993000
6	-0.007038000	0.099474000	-1.898279000
6	-2.766929000	-1.862605000	-2.042359000
1	-3.090065000	-1.064257000	-2.717341000
1	-3.235952000	-2.793359000	-2.381965000
1	-1.685140000	-1.971564000	-2.144770000
6	-4.694668000	-1.594071000	-0.407221000
1	-4.993669000	-1.383256000	0.624986000
1	-5.087552000	-2.582376000	-0.672566000
1	-5.180313000	-0.862657000	-1.061970000
6	4.668314000	-1.625088000	-0.240145000
1	5.217568000	-0.929052000	-0.882845000
1	5.048046000	-2.631906000	-0.449245000
1	4.905934000	-1.388978000	0.802377000
6	3.295390000	2.582446000	0.639970000
1	2.287395000	3.001785000	0.661360000
1	3.977313000	3.377390000	0.315839000
1	3.575533000	2.307992000	1.660614000
6	3.125319000	1.852495000	-1.781744000
1	3.208788000	1.034145000	-2.501707000
1	3.846319000	2.625980000	-2.070752000
1	2.121819000	2.278175000	-1.873181000
6	2.846616000	-1.880339000	-1.994034000

1	1.770550000	-1.920580000	-2.179163000
1	3.274491000	-2.851734000	-2.267917000
1	3.280278000	-1.130690000	-2.663426000
1	-0.915059000	-3.397628000	0.137353000
1	-0.002925000	-1.913786000	-0.158523000
1	0.072752000	-1.494958000	1.932960000

-1814.898095

43

1	-0.910777000	3.900100000	0.032511000
6	0.012001000	3.350146000	0.263309000
8	0.062337000	2.989627000	1.635205000
25	-0.002958000	-0.252268000	-0.070393000
15	2.292233000	0.019297000	0.151105000
15	-2.296503000	0.026909000	0.154500000
8	-0.005856000	-3.155158000	-0.331876000
8	-0.004502000	-0.158838000	-3.020653000
7	-0.000673000	0.196160000	1.828749000
6	1.198481000	-0.033804000	2.658592000
1	1.288941000	-1.106037000	2.896241000
1	1.100102000	0.491395000	3.622053000
6	-1.198975000	-0.024498000	2.661738000
1	-1.096471000	0.505189000	3.622382000
1	-1.293823000	-1.095168000	2.905272000
6	3.112703000	1.505402000	-0.672748000
1	2.638089000	2.336134000	-0.136633000
6	-3.470284000	-1.410897000	-0.091288000
1	-4.474836000	-1.015448000	0.097691000
6	-2.456308000	0.473470000	1.949467000
1	-2.501065000	1.565519000	2.008151000
1	-3.371001000	0.076059000	2.399225000
6	-3.115892000	1.513947000	-0.668257000
1	-2.639149000	2.343784000	-0.132926000
6	2.456096000	0.463041000	1.945975000
1	3.370579000	0.063320000	2.393882000
1	2.500625000	1.554806000	2.005423000
6	3.391844000	-1.944361000	-1.541056000
1	2.382743000	-2.290771000	-1.785703000
1	4.078523000	-2.789910000	-1.664241000
1	3.673298000	-1.180631000	-2.271375000
6	3.204443000	-2.549272000	0.917647000
1	3.308319000	-2.208934000	1.951727000
1	3.938956000	-3.347958000	0.759720000
1	2.210330000	-2.985017000	0.798196000
6	3.462162000	-1.421131000	-0.097313000

1	4.467776000	-1.027313000	0.088780000
6	-0.005069000	-1.983719000	-0.242152000
6	-0.003710000	-0.146227000	-1.848247000
6	2.783112000	1.677607000	-2.161943000
1	3.174293000	0.856380000	-2.770163000
1	3.237878000	2.605291000	-2.529217000
1	1.707204000	1.739494000	-2.333338000
6	4.627518000	1.584260000	-0.419897000
1	4.881764000	1.450683000	0.636598000
1	5.000878000	2.566853000	-0.730813000
1	5.169056000	0.829173000	-1.000001000
6	-4.630049000	1.596285000	-0.412590000
1	-5.174888000	0.843002000	-0.991762000
1	-5.001470000	2.579944000	-0.722347000
1	-4.882461000	1.462972000	0.644535000
6	-3.211998000	-2.540462000	0.921640000
1	-2.220205000	-2.980719000	0.796451000
1	-3.950822000	-3.335892000	0.767649000
1	-3.307863000	-2.200175000	1.956821000
6	-3.404046000	-1.932874000	-1.535850000
1	-3.693701000	-1.170063000	-2.263640000
1	-4.086126000	-2.782501000	-1.656324000
1	-2.394169000	-2.272986000	-1.785995000
6	-2.786758000	1.686667000	-2.157433000
1	-1.710751000	1.747034000	-2.328415000
1	-3.239833000	2.615287000	-2.523869000
1	-3.179381000	0.866725000	-2.766081000
1	0.866499000	3.987895000	0.004392000
1	0.044827000	2.463924000	-0.393127000
1	0.023358000	1.992522000	1.693792000

-1814.901423

44

6	-0.047180000	0.670788000	0.000000000
1	-1.093105000	0.985939000	0.000000000
1	0.442724000	1.077847000	0.893939000
1	0.442724000	1.077847000	-0.893939000
8	-0.047180000	-0.761869000	0.000000000
1	0.868171000	-1.071407000	0.000000000

-115.713076

45

25	1.000570000	0.627660000	0.006006000
15	2.020081000	-1.402164000	-0.157450000

15	-0.737311000	2.094590000	0.132424000
8	2.604626000	2.058862000	-2.016773000
8	2.614872000	1.724157000	2.191656000
7	-0.431114000	-0.376558000	-1.458650000
6	0.277873000	-1.340197000	-2.321529000
1	0.983962000	-0.779670000	-2.942565000
1	-0.425067000	-1.861423000	-2.989763000
6	-1.228525000	0.632863000	-2.179492000
1	-1.943009000	0.155409000	-2.868437000
1	-0.541119000	1.239757000	-2.777007000
6	1.896589000	-2.570233000	1.313457000
1	0.805831000	-2.631925000	1.420072000
6	-0.509253000	3.919377000	-0.263364000
1	-1.437059000	4.431185000	0.019832000
6	-1.965554000	1.489214000	-1.147778000
1	-2.699494000	0.871387000	-0.619419000
1	-2.508826000	2.310062000	-1.624016000
6	-1.799492000	2.045132000	1.682997000
1	-2.107793000	0.992188000	1.677122000
6	1.008411000	-2.342820000	-1.424408000
1	1.615702000	-3.038173000	-2.010195000
1	0.266180000	-2.931821000	-0.874161000
6	4.715639000	-0.642939000	0.050835000
1	4.418231000	0.403645000	-0.069544000
1	5.751198000	-0.747189000	-0.294780000
1	4.695560000	-0.872889000	1.119312000
6	3.918373000	-1.242541000	-2.267705000
1	3.337111000	-1.925900000	-2.893737000
1	4.968032000	-1.334370000	-2.571978000
1	3.597818000	-0.220871000	-2.486271000
6	3.791832000	-1.561679000	-0.767266000
1	4.094956000	-2.604248000	-0.613827000
6	1.934284000	1.467260000	-1.245609000
6	1.974421000	1.290838000	1.302658000
6	2.446055000	-1.970336000	2.615033000
1	3.539452000	-1.913599000	2.602856000
1	2.162792000	-2.604300000	3.464094000
1	2.048637000	-0.967574000	2.786427000
6	2.447795000	-3.983715000	1.069846000
1	2.065389000	-4.429291000	0.145777000
1	2.162629000	-4.641428000	1.899990000
1	3.542047000	-3.981681000	1.017770000
6	-3.060629000	2.921121000	1.637722000
1	-2.812667000	3.985938000	1.707254000
1	-3.708353000	2.681301000	2.489738000
1	-3.643483000	2.766111000	0.723992000

6	-0.266729000	4.162038000	-1.763686000
1	0.639533000	3.656712000	-2.107246000
1	-0.135950000	5.236336000	-1.941701000
1	-1.102360000	3.827923000	-2.385627000
6	0.656006000	4.495486000	0.559638000
1	0.505642000	4.381580000	1.636289000
1	0.773382000	5.565259000	0.348377000
1	1.592086000	3.990487000	0.300170000
6	-0.998483000	2.278559000	2.971696000
1	-0.106797000	1.647910000	3.000991000
1	-1.620611000	2.038712000	3.842729000
1	-0.688365000	3.323877000	3.072481000
1	-1.064172000	-0.913116000	-0.858370000
1	0.155420000	-0.134591000	1.172004000
1	-1.264497000	-3.676790000	2.140399000
1	-1.253163000	-1.408364000	1.752577000
7	-4.637151000	-0.648551000	0.010766000
1	-5.316276000	-1.060827000	0.649972000
6	-4.236244000	-1.639768000	-1.002473000
1	-3.586318000	-1.117941000	-1.715945000
6	-5.414645000	-2.257169000	-1.774083000
1	-6.072369000	-2.813490000	-1.094450000
1	-6.008927000	-1.470428000	-2.250560000
1	-5.069545000	-2.944132000	-2.555821000
6	-3.398582000	-2.743182000	-0.349940000
1	-3.971349000	-3.248889000	0.438729000
1	-3.134660000	-3.493891000	-1.101512000
6	-2.143029000	-2.023181000	1.583228000
8	-2.162536000	-2.246341000	0.185138000
8	-2.106827000	-3.233945000	2.318540000
1	-3.045898000	-1.500085000	1.908047000
1	-5.109158000	0.134368000	-0.436789000

-2064.530630

TS20

25	0.903281000	0.463437000	0.098390000
15	2.265744000	-1.363488000	-0.258449000
15	-0.843411000	1.970864000	0.005589000
8	2.900401000	2.458405000	-0.725140000
8	1.557021000	0.882528000	2.929450000
7	0.192438000	-0.052436000	-1.927367000
6	1.253319000	-0.690700000	-2.746854000
1	2.028891000	0.062094000	-2.914901000
1	0.856334000	-0.994545000	-3.725466000
6	-0.451143000	1.103543000	-2.600197000

1	-0.867911000	0.801339000	-3.571180000
1	0.326670000	1.850242000	-2.784461000
6	1.958712000	-2.940162000	0.725836000
1	0.990795000	-3.268134000	0.328386000
6	-0.514950000	3.821282000	0.098954000
1	-1.486649000	4.292240000	0.289434000
6	-1.550810000	1.653540000	-1.691843000
1	-2.325595000	0.888206000	-1.567499000
1	-2.024354000	2.536158000	-2.129709000
6	-2.343059000	1.718401000	1.106020000
1	-2.549319000	0.654200000	0.972975000
6	1.816563000	-1.897847000	-1.994333000
1	2.661614000	-2.336641000	-2.531810000
1	1.046268000	-2.673939000	-1.917247000
6	4.614048000	-0.510044000	1.014663000
1	4.204257000	0.500250000	1.108968000
1	5.707733000	-0.436404000	1.017378000
1	4.316437000	-1.074548000	1.902848000
6	4.651043000	-0.405677000	-1.517167000
1	4.379341000	-0.891497000	-2.458785000
1	5.746060000	-0.365236000	-1.477909000
1	4.285403000	0.622355000	-1.541455000
6	4.135505000	-1.173820000	-0.287679000
1	4.545191000	-2.188195000	-0.339743000
6	2.099925000	1.647994000	-0.434509000
6	1.305997000	0.720025000	1.795708000
6	1.774829000	-2.675694000	2.227784000
1	2.710035000	-2.361729000	2.702171000
1	1.444162000	-3.593896000	2.727063000
1	1.030520000	-1.896210000	2.406548000
6	2.961681000	-4.075901000	0.470168000
1	3.122692000	-4.258174000	-0.597653000
1	2.583097000	-5.004203000	0.913405000
1	3.931972000	-3.865460000	0.932227000
6	-3.592402000	2.506757000	0.678202000
1	-3.460312000	3.585179000	0.815950000
1	-4.444280000	2.202799000	1.298604000
1	-3.865605000	2.330256000	-0.366453000
6	0.043055000	4.404159000	-1.211543000
1	1.001980000	3.951962000	-1.477345000
1	0.211154000	5.480226000	-1.085021000
1	-0.644275000	4.278320000	-2.052715000
6	0.424747000	4.147893000	1.275080000
1	0.077434000	3.727483000	2.221329000
1	0.497086000	5.235146000	1.396543000
1	1.430733000	3.762411000	1.090447000

6	-2.033594000	1.940605000	2.594524000
1	-1.136395000	1.403489000	2.911040000
1	-2.873159000	1.578247000	3.198764000
1	-1.901955000	3.003778000	2.822038000
1	-0.537246000	-0.753443000	-1.785197000
1	-0.281790000	-0.673201000	0.640544000
1	-1.582632000	-2.206928000	2.526964000
1	-0.778429000	-2.505810000	0.475805000
7	-4.078237000	-0.812139000	-1.037097000
1	-4.385459000	-0.250856000	-0.241828000
6	-4.683168000	-2.160995000	-0.928497000
1	-4.384624000	-2.711406000	-1.830695000
6	-6.218021000	-2.114665000	-0.850099000
1	-6.539365000	-1.623438000	0.078228000
1	-6.638826000	-1.550939000	-1.691168000
1	-6.650385000	-3.122306000	-0.866394000
6	-4.081442000	-2.913278000	0.282644000
1	-4.247496000	-2.263935000	1.175551000
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6	-1.471506000	-1.712571000	0.686179000
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47

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TS21

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48

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