

Supporting information

Gold(I)-Catalyzed Cycloisomerization of ortho-(Alkynyl)styrenes: DFT Analysis of the Crucial Role of SbF₆⁻ in Eliminating of Proton

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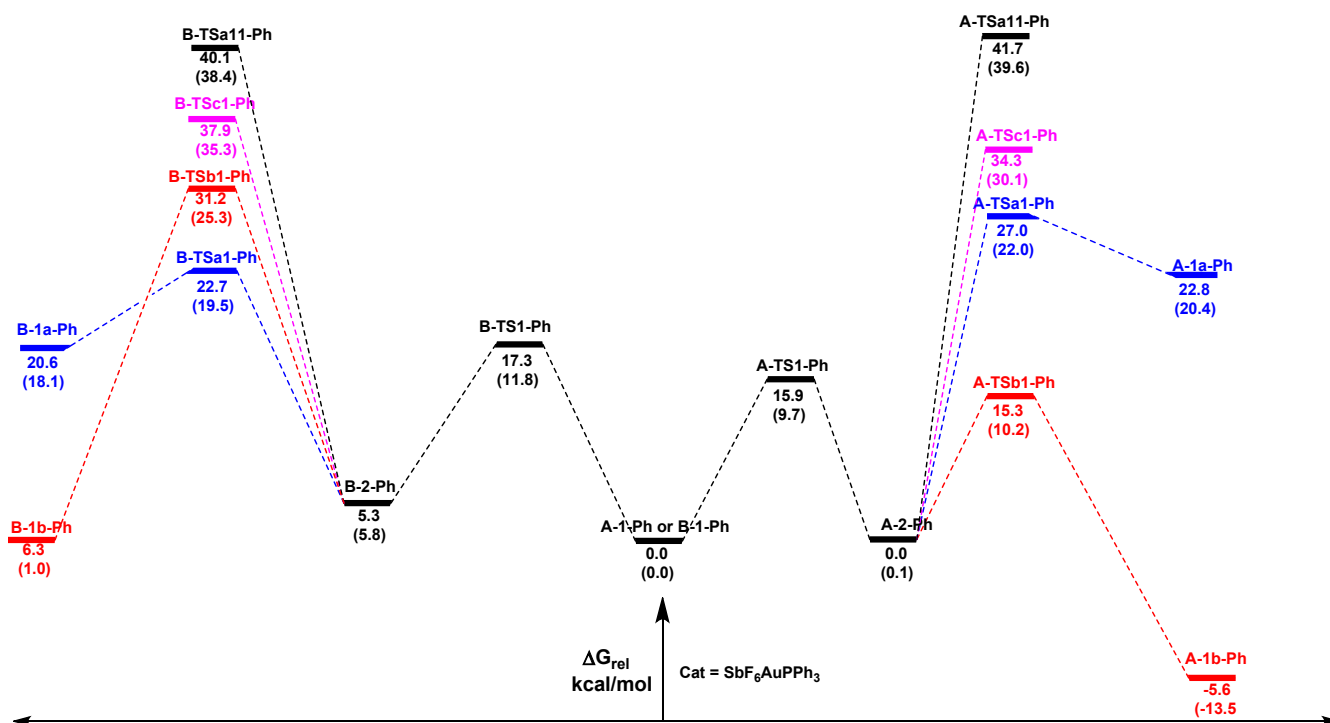
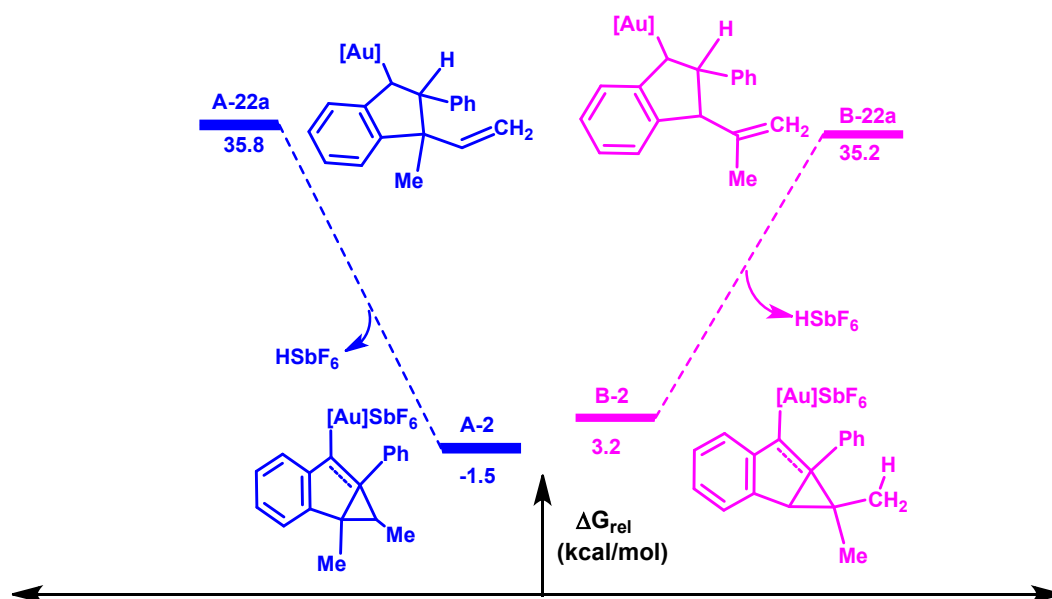


Figure S1. Energy profiles for the $L=PPh_3$ of path **a**, **b** and **c**, the relative energies are given in kcal/mol. These values were obtained at the M06-2X /SMD/6-311++G (d, p)//M06-2X /6-31G (d, p) level of theory. Values in brackets were obtained at the B3LYP-D3/SMD/6-311++G (d, p)//M06-2X /6-31G (d, p) level of theory.



Figurer S2 Energy profiles for the formation of HSbF_6 ; the relative energies are given in kcal/mol. These values were obtained at the M06-2X /SMD/6-311++G (d, p)/M06-2X /6-31G (d, p) level of theory.

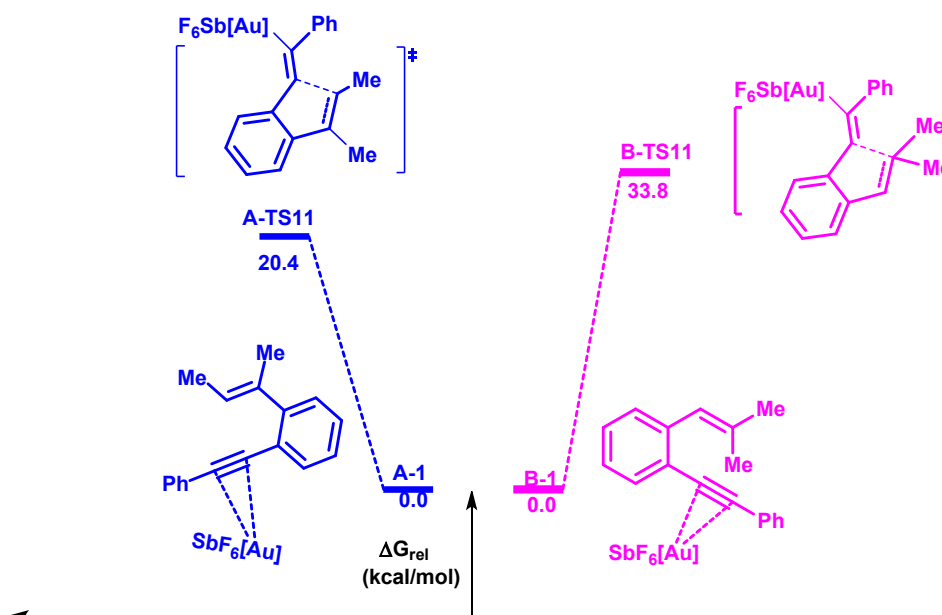


Figure S3. Energy profiles for 5-*exo-dig* for series **A** and **B**; the relative energies are given in kcal/mol. These values were obtained at the M06-2X /SMD/6-311++G (d, p)/M06-2X /6-31G (d, p) level of theory.

Table S1: The energies for species of Series A

	E	G
A-1	-2012.785925	-2012.853351
A-TS1	-2012.765026	-2012.828749
A-2	-2012.80438	-2012.865872
A-TSa1	-2012.755869	-2012.817876
A-1a	-2012.772081	-2012.835283
A-TSa2	-2012.774118	-2012.836628
A-2a	-2012.784893	-2012.848655
A-TSa3	-2012.774636	-2012.838384
A-3a	-2012.821496	-2012.885358
A-TSa11	-2012.733722	-2012.794292
A-TSb1	-2012.760745	-2012.823853
A-1b	-2012.793027	-2012.856542
A-TSb2	-2012.791939	-2012.855387
A-2b	-2012.804573	-2012.870203
A-TSb3	-2012.806026	-2012.871721
A-3b	-2012.870189	-2012.933079
A-TSc1	-2012.732803	-2012.792807
A-TS11	-2012.755374	-2012.820324

Table S2 The energies for species of Series B

	E	G
B-1	-2012.789141	-2012.85726
B-TS1	-2012.770443	-2012.833437
B-2	-2012.79792	-2012.859997
B-TSa1	-2012.767993	-2012.831056
B-1a	-2012.774251	-2012.837109
B-TSa2	-2012.777037	-2012.83987
B-2a	-2012.787941	-2012.852437
B-TSa3	-2012.776433	-2012.838274
B-3a	-2012.828268	-2012.891403
B-TSa11	-2012.741415	-2012.803935
B-TSb1	-2012.748802	-2012.811412
B-1b	-2012.780543	-2012.845252
B-TSb2	-2012.743111	-2012.805699
B-2b	-2012.777512	-2012.840832
B-TSb3	-2012.766837	-2012.829337
B-3b	-2012.869654	-2012.932268
B-TSc1	-2012.726145	-2012.787738
BTS11	-2012.742031	-2012.806502

Table S3 The energies for species of L=PPh₃

	E	G
A-1-ph	-2705.441923	-2705.527861
A-TS1-ph	-2705.420545	-2705.504046
A-2-ph	-2705.459426	-2705.539266
A-TSa1-ph	-2705.408853	-2705.490945
A-1a-ph	-2705.407656	-2705.489915
A-TSb1-ph	-2705.417794	-2705.49967
A-1b-ph	-2705.452447	-2705.535271
A-TSc1-Ph	-2705.38321	-2705.464756
A-TSa11-ph	-2705.389029	-2705.4693
B-1-ph	-2705.445174	-2705.530755
B-TS1-ph	-2705.422415	-2705.505871
B-2-ph	-2705.455417	-2705.534894
B-TSa1-ph	-2705.423568	-2705.505656
B-1a-ph	-2705.423265	-2705.504101
B-TSb1-ph	-2705.403537	-2705.484125
B-1b-ph	-2705.443184	-2705.523197
B-TSc1-ph	-2705.389498	-2705.468799
B-TSa11-ph	-2705.397261	-2705.476315

The Cartesian coordinates of the stationary points

A-re

6	-3.227429000	-2.740525000	-0.235841000
6	-1.871474000	-2.448329000	-0.191009000
6	-1.427966000	-1.128712000	-0.024613000
6	-2.364654000	-0.079243000	0.105105000
6	-3.724072000	-0.399734000	0.052850000
6	-4.156877000	-1.710457000	-0.118158000
1	-3.557130000	-3.766344000	-0.362593000
1	-1.132059000	-3.235160000	-0.296703000
1	-4.447175000	0.401285000	0.171170000
1	-5.219804000	-1.927826000	-0.148059000
6	-1.937594000	1.334811000	0.293536000
6	-2.465516000	2.284211000	-0.490248000
6	-2.161717000	3.750418000	-0.424443000
1	-1.427297000	3.987367000	0.347241000
1	-1.769978000	4.106770000	-1.383026000
1	-3.069685000	4.328778000	-0.220264000
6	-0.019811000	-0.868038000	-0.035909000
6	1.174503000	-0.664454000	-0.056602000
6	2.580348000	-0.397085000	-0.072638000
6	3.502985000	-1.416776000	0.202017000
6	3.049185000	0.892779000	-0.361630000
6	4.865638000	-1.147543000	0.188767000
1	3.137071000	-2.413312000	0.425242000
6	4.413516000	1.153914000	-0.372352000
1	2.332431000	1.677397000	-0.581294000
6	5.324592000	0.136434000	-0.097401000
1	5.572918000	-1.942523000	0.402169000
1	4.767669000	2.154634000	-0.597897000
1	6.389782000	0.343334000	-0.107054000
1	-3.165273000	1.974493000	-1.265444000
6	-0.944755000	1.640420000	1.397804000
1	-0.788219000	0.770216000	2.037123000
1	0.032368000	1.929428000	0.998658000
1	-1.309029000	2.458920000	2.025317000

Cat

79	-1.496461000	-0.239899000	-0.000397000
15	-3.525710000	0.614821000	0.000664000
1	-4.137689000	0.794203000	1.248668000
1	-3.660161000	1.895748000	-0.551135000

1	-4.525985000	-0.081827000	-0.690417000
51	1.818923000	0.092000000	0.000168000
9	0.656673000	0.886787000	1.297585000
9	0.639366000	0.879895000	-1.287732000
9	0.384092000	-1.311921000	0.011699000
9	2.707518000	-0.863025000	1.348290000
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9	2.998503000	1.547849000	-0.012961000
A-1			
6	-1.506743000	-3.617399000	-1.431335000
6	-1.149306000	-2.293458000	-1.217213000
6	-2.117736000	-1.376301000	-0.777974000
6	-3.449670000	-1.773789000	-0.538018000
6	-3.776518000	-3.111602000	-0.773761000
6	-2.822342000	-4.022344000	-1.217093000
1	-0.758537000	-4.326688000	-1.767447000
1	-0.133803000	-1.948339000	-1.389630000
1	-4.793640000	-3.436909000	-0.579265000
1	-3.105353000	-5.056969000	-1.383069000
6	-4.481623000	-0.821119000	-0.045107000
6	-5.658520000	-0.748571000	-0.680762000
6	-6.809119000	0.137966000	-0.313265000
1	-6.586811000	0.776739000	0.543033000
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1	-7.697793000	-0.456653000	-0.075046000
6	-1.726909000	0.002576000	-0.633956000
6	-1.377112000	1.180538000	-0.651767000
6	-1.022845000	2.564605000	-0.835730000
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6	0.659462000	4.272030000	-1.071375000
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6	-1.683503000	4.860115000	-1.159291000
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6	-0.341412000	5.232526000	-1.207765000
1	1.703989000	4.561255000	-1.112367000
1	-2.461045000	5.608469000	-1.269933000
1	-0.075643000	6.274347000	-1.354550000
79	-0.234391000	0.236115000	1.172643000
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1	1.270771000	-1.474706000	3.340057000
1	2.433199000	0.285669000	2.746096000
1	0.799196000	0.459136000	4.186166000
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9	2.097247000	-1.586419000	0.847795000

9	2.819354000	0.916451000	0.544400000
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9	2.856742000	-2.180491000	-1.654701000
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9	4.638687000	-1.071549000	0.137519000
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1	-3.280194000	-0.400663000	1.703244000
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1	-4.993771000	-0.028973000	1.897616000

A-TS1

6	4.122080000	-3.003604000	1.353560000
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6	2.909923000	-1.101780000	0.507720000
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1	4.184180000	-4.070934000	1.537168000
1	6.061382000	-2.595524000	2.189046000
1	5.930158000	-0.152990000	1.782241000
1	2.162475000	-3.109888000	0.444972000
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6	2.918017000	1.849833000	1.424437000
6	1.791979000	-0.415497000	-0.145335000
6	1.746505000	0.886173000	-0.195377000
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6	1.518290000	2.646392000	-1.913660000
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79	0.122911000	-1.324576000	-1.019410000
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1	-2.853170000	-1.489692000	-2.086511000
1	-1.633504000	-2.821251000	-3.281390000
6	2.667179000	3.321894000	1.451387000
1	1.622360000	3.530454000	1.690607000
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9	-2.136123000	0.540591000	-0.782791000
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9	-3.275650000	-0.276658000	2.751701000
9	-0.892316000	0.033059000	1.517376000
9	-2.668566000	-1.693843000	0.512773000
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1	2.458339000	1.268690000	2.223444000
A-2			
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6	1.307500000	-0.414027000	-0.798616000
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6	1.869083000	2.076510000	1.334081000
6	4.036354000	1.267214000	0.645199000
6	2.438087000	3.305487000	1.654800000
6	4.602443000	2.497254000	0.970027000
6	3.803478000	3.518090000	1.476217000
6	1.320884000	-1.137636000	1.518557000
1	0.218141000	-1.830115000	-2.998760000
1	0.634662000	-4.276026000	-3.361374000
1	2.015590000	-5.539094000	-1.762317000
1	2.987523000	-4.460520000	0.242807000
1	0.806682000	1.900515000	1.477155000
1	4.655441000	0.472981000	0.237351000
1	1.811705000	4.098362000	2.051028000
1	5.665501000	2.658327000	0.822181000
1	4.243118000	4.477520000	1.729710000
79	-0.024141000	0.955985000	-1.484981000
15	-1.742254000	2.443735000	-2.063593000
1	-1.470508000	3.508219000	-2.939759000
1	-2.878285000	1.900013000	-2.670781000
1	-2.315035000	3.135441000	-0.991371000
51	-2.453805000	-0.419226000	1.058245000

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9	-1.384564000	-1.360994000	-0.225291000
9	-3.875874000	-1.626579000	0.800118000
9	-3.438548000	0.591646000	2.306446000
9	-0.984189000	0.812542000	1.251805000
9	-3.061486000	0.688518000	-0.385594000
6	3.848295000	-1.872449000	1.632400000
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1	4.032159000	-1.066288000	2.344473000
1	3.764508000	-2.808699000	2.192827000
1	0.395688000	-1.587832000	1.172835000
6	1.271930000	-0.650621000	2.935534000
1	0.420899000	0.025262000	3.041830000
1	1.090762000	-1.508571000	3.590698000
1	2.184784000	-0.140384000	3.246553000

A-TSa1

6	-0.167155000	-3.522278000	2.632874000
6	-0.222751000	-2.156735000	2.362895000
6	-1.066262000	-1.706687000	1.350096000
6	-1.831374000	-2.625931000	0.619921000
6	-1.772712000	-3.986914000	0.874946000
6	-0.934615000	-4.430444000	1.901133000
1	0.484574000	-3.888322000	3.419626000
1	0.382779000	-1.448574000	2.920148000
1	-2.359899000	-4.696753000	0.297415000
1	-0.878224000	-5.489687000	2.130142000
6	-1.323187000	-0.332825000	0.875904000
6	-2.256001000	-0.395393000	-0.110109000
6	-2.576227000	-1.883019000	-0.456781000
6	-1.862676000	-1.959236000	-1.762200000
6	-0.606539000	-2.480265000	-2.005412000
79	-0.178982000	1.272099000	1.396775000
15	1.390974000	2.968030000	1.764877000
1	2.685797000	2.539080000	2.084670000
1	1.678546000	3.809577000	0.682221000
1	1.211236000	3.935145000	2.771284000
6	-2.829547000	0.736570000	-0.877607000
6	-4.209791000	0.979740000	-0.875868000
6	-1.998497000	1.607898000	-1.596212000
6	-4.745289000	2.057754000	-1.574101000
1	-4.862816000	0.340168000	-0.290224000
6	-2.535981000	2.686699000	-2.292767000
1	-0.929075000	1.422453000	-1.610145000
6	-3.909756000	2.913438000	-2.287024000
1	-5.815646000	2.236541000	-1.550166000

1	-1.877472000	3.348863000	-2.846280000
1	-4.327414000	3.755152000	-2.830260000
1	-0.136826000	-1.324259000	-1.708887000
51	2.506903000	-0.338033000	-1.025714000
9	2.322812000	-2.127083000	-1.618110000
9	2.913878000	0.231407000	-2.771902000
9	2.372788000	1.481763000	-0.475881000
9	0.579933000	-0.198036000	-1.544346000
9	4.309382000	-0.486656000	-0.522178000
9	1.898409000	-0.854382000	0.691446000
1	-0.259966000	-2.547863000	-3.033113000
1	-0.135758000	-3.135821000	-1.277688000
1	-2.355678000	-1.421143000	-2.576557000
6	-4.052165000	-2.261906000	-0.612276000
1	-4.572159000	-2.059117000	0.326678000
1	-4.528968000	-1.690530000	-1.412490000
1	-4.151801000	-3.327444000	-0.839059000

A-1a

6	-4.488622000	-1.708348000	-1.844296000
6	-3.289651000	-1.782117000	-1.138532000
6	-2.833566000	-0.644734000	-0.479535000
6	-3.562246000	0.550132000	-0.525497000
6	-4.750989000	0.628034000	-1.236070000
6	-5.210847000	-0.514231000	-1.894486000
1	-4.864394000	-2.583972000	-2.363869000
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1	-6.140310000	-0.474304000	-2.453577000
6	-1.615050000	-0.458859000	0.339847000
6	-1.615007000	0.842784000	0.773313000
6	-2.861864000	1.611434000	0.292943000
6	-2.495688000	2.854257000	-0.497090000
6	-2.441351000	2.942459000	-1.823071000
79	-0.117715000	-1.831641000	0.626049000
15	1.807643000	-3.156688000	0.711868000
1	2.976415000	-2.427439000	0.968737000
1	1.972024000	-4.211850000	1.625565000
1	2.178684000	-3.810610000	-0.470740000
6	-0.625822000	1.432663000	1.706662000
6	-0.403119000	0.820360000	2.946251000
6	0.127207000	2.558680000	1.358203000
6	0.555106000	1.324811000	3.818665000
1	-0.992071000	-0.052299000	3.214091000
6	1.099943000	3.048013000	2.223807000
1	0.001960000	3.012012000	0.380633000

6	1.311129000	2.437704000	3.456601000
1	0.715320000	0.846565000	4.779772000
1	1.704834000	3.896112000	1.920832000
1	2.068617000	2.822984000	4.131581000
1	-0.534617000	0.526280000	-0.534706000
51	2.275855000	0.690628000	-1.179754000
9	2.134520000	1.092322000	-3.004002000
9	2.190365000	2.514877000	-0.735252000
9	2.045744000	0.227348000	0.638948000
9	0.184626000	0.815923000	-1.264889000
9	4.145152000	0.581711000	-1.133593000
9	2.040378000	-1.154423000	-1.566157000
1	-2.145664000	3.866360000	-2.308493000
1	-2.687131000	2.099911000	-2.462828000
6	-3.701751000	2.009234000	1.521670000
1	-3.136177000	2.697297000	2.157435000
1	-4.623113000	2.503662000	1.201311000
1	-3.963656000	1.124888000	2.108559000
1	-2.243572000	3.723691000	0.109158000

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6	-4.417636000	-1.789491000	-1.830197000
6	-3.229366000	-1.845974000	-1.106014000
6	-2.791096000	-0.694586000	-0.459323000
6	-3.522080000	0.496765000	-0.535402000
6	-4.699012000	0.557796000	-1.267607000
6	-5.142816000	-0.598331000	-1.911799000
1	-4.782030000	-2.674716000	-2.341171000
1	-2.651309000	-2.763674000	-1.040694000
1	-5.257601000	1.486651000	-1.345035000
1	-6.063096000	-0.572151000	-2.486651000
6	-1.584768000	-0.494161000	0.373660000
6	-1.590085000	0.824759000	0.778065000
6	-2.841257000	1.574880000	0.276928000
6	-2.485638000	2.817790000	-0.517336000
6	-2.408014000	2.891801000	-1.842685000
79	-0.054860000	-1.834273000	0.658359000
15	1.908510000	-3.100830000	0.694716000
1	3.060189000	-2.326584000	0.880644000
1	2.143999000	-4.128354000	1.624189000
1	2.240599000	-3.770954000	-0.490101000
6	-0.626568000	1.432770000	1.727559000
6	-0.434919000	0.843603000	2.982456000
6	0.122359000	2.559619000	1.376136000
6	0.491640000	1.376412000	3.872345000

1	-1.020154000	-0.032070000	3.248987000
6	1.064671000	3.075354000	2.259347000
1	0.018461000	2.991235000	0.386680000
6	1.245252000	2.490770000	3.509673000
1	0.630290000	0.918212000	4.846397000
1	1.669886000	3.923397000	1.957170000
1	1.979329000	2.896588000	4.198364000
1	-0.655876000	0.523352000	-0.409572000
51	2.178373000	0.716739000	-1.218644000
9	2.042250000	1.104428000	-3.048927000
9	2.121402000	2.546377000	-0.775392000
9	2.023619000	0.256261000	0.614894000
9	0.138821000	0.811179000	-1.238357000
9	4.052443000	0.617832000	-1.198749000
9	1.985318000	-1.143204000	-1.584725000
1	-2.120142000	3.815290000	-2.333272000
1	-2.621502000	2.036723000	-2.477492000
1	-2.259438000	3.696798000	0.085102000
6	-3.694683000	1.966396000	1.498709000
1	-3.144972000	2.669065000	2.132056000
1	-4.621796000	2.442065000	1.167276000
1	-3.946163000	1.082561000	2.091044000

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6	3.022566000	-2.859807000	-2.470240000
6	2.191724000	-1.764932000	-2.348354000
6	2.204719000	-1.046360000	-1.135230000
6	3.043784000	-1.427452000	-0.065720000
6	3.859543000	-2.545828000	-0.188208000
6	3.844761000	-3.241778000	-1.392812000
1	3.037332000	-3.442078000	-3.384604000
1	1.525574000	-1.455244000	-3.148326000
1	4.482053000	-2.873376000	0.638440000
1	4.482624000	-4.113751000	-1.506535000
6	1.372281000	0.040040000	-0.756284000
6	1.626838000	0.324489000	0.681000000
6	2.907529000	-0.485748000	1.104981000
6	2.727256000	-1.219765000	2.424920000
6	1.729400000	-2.066876000	2.659220000
79	-0.259901000	0.780014000	-1.688792000
15	-2.395305000	1.416672000	-2.441668000
1	-3.241233000	1.860818000	-1.420771000
1	-2.542339000	2.456068000	-3.376466000
1	-3.179433000	0.425209000	-3.039000000
6	1.517583000	1.748805000	1.151905000
6	2.067157000	2.802419000	0.417337000

6	0.883292000	2.016603000	2.366697000
6	1.996402000	4.107283000	0.896766000
1	2.552083000	2.599574000	-0.535597000
6	0.819103000	3.320032000	2.848430000
1	0.416037000	1.198162000	2.908116000
6	1.377342000	4.366167000	2.116938000
1	2.425619000	4.919765000	0.318964000
1	0.319558000	3.520926000	3.790519000
1	1.322382000	5.382754000	2.493048000
1	0.768169000	-0.218669000	1.115606000
51	-2.154599000	-1.006797000	1.029246000
9	-2.813267000	-2.769378000	1.095941000
9	-1.139127000	-1.186000000	2.624566000
9	-1.440170000	0.769162000	0.881207000
9	-0.595834000	-1.645400000	0.093034000
9	-3.665007000	-0.335840000	1.932197000
9	-2.960255000	-0.692383000	-0.684154000
1	1.622646000	-2.562771000	3.617715000
1	0.962800000	-2.270725000	1.914300000
6	4.152583000	0.414695000	1.172128000
1	4.034916000	1.154647000	1.968094000
1	5.038171000	-0.192616000	1.382127000
1	4.312894000	0.945190000	0.229666000
1	3.466240000	-1.011814000	3.196758000

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6	4.697160000	1.760526000	-1.727821000
6	3.462662000	1.811861000	-1.083819000
6	2.988802000	0.657503000	-0.473395000
6	3.727036000	-0.529819000	-0.500650000
6	4.950576000	-0.586279000	-1.152712000
6	5.431027000	0.572885000	-1.763861000
1	5.091336000	2.648575000	-2.210656000
1	2.878312000	2.726979000	-1.055544000
1	5.517387000	-1.512247000	-1.194882000
1	6.387561000	0.550987000	-2.276106000
6	1.718904000	0.448497000	0.272356000
6	1.737935000	-0.880551000	0.713185000
6	2.995712000	-1.618494000	0.254309000
6	2.631435000	-2.833025000	-0.581369000
6	2.611424000	-2.865413000	-1.909938000
79	0.129258000	1.771953000	0.608906000
15	-1.835798000	2.988015000	0.794257000
1	-2.938915000	2.169763000	1.056625000
1	-1.987533000	3.977145000	1.782078000

1	-2.266054000	3.695726000	-0.332949000
6	0.686780000	-1.482738000	1.550355000
6	0.462366000	-0.920061000	2.813789000
6	-0.108455000	-2.542099000	1.103978000
6	-0.531715000	-1.435643000	3.635848000
1	1.076877000	-0.086165000	3.141031000
6	-1.130719000	-3.020416000	1.914892000
1	0.004157000	-2.920022000	0.094252000
6	-1.332062000	-2.481616000	3.182510000
1	-0.694658000	-1.007443000	4.619371000
1	-1.791353000	-3.789621000	1.532235000
1	-2.129881000	-2.863034000	3.811550000
1	0.957526000	-0.225842000	-0.403450000
51	-2.359183000	-0.626517000	-1.112789000
9	-2.499521000	-0.947509000	-2.962306000
9	-2.409973000	-2.475467000	-0.705126000
9	-2.099846000	-0.207682000	0.736077000
9	-0.433045000	-0.775445000	-1.283046000
9	-4.222842000	-0.435865000	-0.907750000
9	-2.172279000	1.260288000	-1.420679000
1	2.316353000	-3.764960000	-2.438840000
1	2.882389000	-2.001350000	-2.509098000
6	3.773038000	-2.055821000	1.513423000
1	3.183899000	-2.772322000	2.092516000
1	4.709949000	-2.529617000	1.209481000
1	4.006487000	-1.195010000	2.145614000
1	2.346214000	-3.714366000	-0.009405000

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6	-2.948312000	-3.720974000	-1.368376000
6	-1.917631000	-2.790344000	-1.472299000
6	-2.160291000	-1.494510000	-1.024428000
6	-3.394609000	-1.127728000	-0.481422000
6	-4.416230000	-2.059477000	-0.371989000
6	-4.183318000	-3.359935000	-0.824010000
1	-2.791154000	-4.738091000	-1.711720000
1	-0.950413000	-3.062815000	-1.883053000
1	-5.383858000	-1.782256000	0.037214000
1	-4.973283000	-4.100591000	-0.752984000
6	-1.275575000	-0.324325000	-0.995138000
6	-1.930456000	0.753960000	-0.417890000
6	-3.382481000	0.330457000	-0.065708000
6	-4.343612000	1.165942000	-0.902146000
6	-4.974093000	0.762761000	-2.000653000
79	-0.352670000	-0.246421000	1.135302000
15	1.184602000	-0.814455000	2.761353000

1	2.480854000	-0.395506000	2.434161000
1	1.038050000	-0.368654000	4.083163000
1	1.359122000	-2.187148000	2.966581000
6	-1.414167000	2.146723000	-0.408094000
6	-2.094309000	3.190721000	0.234995000
6	-0.192223000	2.437987000	-1.039088000
6	-1.576988000	4.481817000	0.241719000
1	-3.032550000	3.006752000	0.741812000
6	0.325422000	3.724778000	-1.020586000
1	0.380311000	1.654869000	-1.524537000
6	-0.365660000	4.754459000	-0.384896000
1	-2.122894000	5.273678000	0.744005000
1	1.278480000	3.916609000	-1.501721000
1	0.040664000	5.760519000	-0.373759000
1	-0.321407000	-0.288220000	-1.519389000
51	3.020494000	-0.301065000	-0.664365000
9	3.919384000	-1.643244000	-1.627319000
9	4.092536000	1.063933000	-1.391605000
9	2.017486000	1.006146000	0.326905000
9	1.706758000	-0.092411000	-2.042466000
9	4.112753000	-0.499348000	0.876324000
9	1.866982000	-1.642077000	0.117471000
1	-5.632706000	1.439666000	-2.534304000
1	-4.856377000	-0.237933000	-2.403487000
6	-3.739230000	0.438879000	1.429373000
1	-3.687081000	1.463725000	1.800081000
1	-4.758513000	0.074339000	1.583703000
1	-3.060613000	-0.177712000	2.028074000
1	-4.500465000	2.183090000	-0.550360000

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6	0.844378000	3.985787000	1.673595000
6	0.637291000	2.604275000	1.586601000
6	1.467713000	1.818942000	0.801071000
6	2.528986000	2.449362000	0.110986000
6	2.769359000	3.814504000	0.236701000
6	1.905499000	4.590099000	1.012517000
1	0.176740000	4.586783000	2.281907000
1	-0.179656000	2.131939000	2.121261000
1	3.588906000	4.281313000	-0.302411000
1	2.069624000	5.658475000	1.098622000
6	1.385725000	0.342878000	0.701956000
6	2.087744000	-0.242407000	-0.267364000
6	3.318944000	1.593299000	-0.763590000
6	2.600804000	0.698386000	-1.590688000
6	3.333694000	-0.065052000	-2.671821000

1	2.677759000	-0.820859000	-3.104825000
1	3.628636000	0.628616000	-3.465752000
1	4.226447000	-0.571126000	-2.296915000
79	-0.103665000	-0.732062000	1.644679000
15	-2.111915000	-1.758608000	2.225562000
1	-2.416792000	-2.964876000	1.582721000
1	-2.458327000	-2.102305000	3.545049000
1	-3.222709000	-0.984220000	1.861586000
6	2.176056000	-1.679800000	-0.605129000
6	3.335008000	-2.417704000	-0.351684000
6	1.063541000	-2.303289000	-1.185418000
6	3.383644000	-3.772782000	-0.664634000
1	4.187734000	-1.931287000	0.114855000
6	1.117499000	-3.660118000	-1.490715000
1	0.167859000	-1.716225000	-1.371408000
6	2.275131000	-4.393631000	-1.235984000
1	4.281470000	-4.344715000	-0.453529000
1	0.251198000	-4.142875000	-1.931216000
1	2.312264000	-5.450823000	-1.478881000
1	1.610680000	1.054918000	-1.893321000
6	4.804453000	1.631536000	-0.731106000
1	5.166122000	0.675616000	-0.332113000
1	5.213666000	1.722978000	-1.742245000
1	5.171802000	2.430603000	-0.087917000
51	-2.331266000	0.548922000	-1.206943000
9	-2.497143000	2.329780000	-1.805811000
9	-1.859646000	1.186303000	0.537962000
9	-2.760444000	-0.138482000	-2.910233000
9	-0.466302000	0.550176000	-1.669409000
9	-4.126337000	0.445748000	-0.622430000
9	-2.057168000	-1.250266000	-0.562995000
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6	-1.235268000	4.479973000	-0.150402000
6	-1.668755000	3.179530000	-0.029249000
6	-0.859934000	2.179735000	0.557362000
6	0.428050000	2.589797000	1.044309000
6	0.865019000	3.935215000	0.870032000
6	0.049370000	4.868801000	0.290995000
1	-1.887732000	5.219371000	-0.605333000
1	-2.649933000	2.892806000	-0.394610000
1	1.856243000	4.217247000	1.206327000
1	0.381613000	5.893145000	0.167423000
6	1.255654000	1.634473000	1.652560000
6	0.703361000	0.317885000	1.994420000
6	-1.312651000	0.802153000	0.597338000

6	-0.542189000	-0.090205000	1.282034000
6	-0.895927000	-1.521398000	1.427069000
6	-2.163309000	-1.905045000	1.889519000
6	0.047128000	-2.508710000	1.111810000
6	-2.486762000	-3.250924000	2.024151000
1	-2.879585000	-1.136071000	2.167074000
6	-0.289406000	-3.853669000	1.234004000
1	1.022654000	-2.230909000	0.723483000
6	-1.550477000	-4.228058000	1.690933000
1	-3.464444000	-3.537460000	2.399124000
1	0.440488000	-4.609546000	0.963366000
1	-1.802368000	-5.279036000	1.792135000
6	0.399244000	0.361307000	3.531899000
1	1.298017000	0.600518000	4.103173000
1	-0.376937000	1.100325000	3.745237000
1	0.042056000	-0.626474000	3.829201000
6	2.665657000	1.896892000	2.035890000
1	3.253836000	1.923082000	1.106844000
1	2.792111000	2.849071000	2.555529000
1	3.069936000	1.079801000	2.633197000
79	-2.880828000	0.121128000	-0.551485000
15	-4.518260000	-0.757239000	-1.969226000
1	-4.131915000	-1.820379000	-2.800590000
1	-5.686937000	-1.313716000	-1.423611000
1	-5.102748000	0.079344000	-2.933812000
51	3.325560000	-0.548790000	-0.848921000
9	4.876413000	-1.599572000	-1.048697000
9	4.354589000	0.998727000	-0.420502000
9	3.269559000	-0.953349000	1.031885000
9	1.756419000	0.517900000	-0.531135000
9	2.194892000	-2.047195000	-1.137729000
9	3.285035000	-0.074715000	-2.673179000
1	1.496341000	-0.426009000	1.852701000

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6	-0.330542000	4.281771000	0.173342000
6	-1.052625000	3.114673000	0.179618000
6	-0.532402000	1.923382000	0.745722000
6	0.763299000	1.980844000	1.343644000
6	1.504497000	3.192093000	1.287645000
6	0.971524000	4.317442000	0.715454000
1	-0.753701000	5.178277000	-0.268872000
1	-2.042612000	3.076588000	-0.265157000
1	2.520553000	3.215987000	1.657762000
1	1.554608000	5.230581000	0.666998000

6	1.273342000	0.822489000	2.002174000
6	0.596480000	-0.418779000	1.852192000
6	-1.278811000	0.693398000	0.664407000
6	-0.717682000	-0.440279000	1.196014000
6	-1.366408000	-1.766385000	0.991412000
6	-2.582142000	-2.066996000	1.611870000
6	-0.771582000	-2.713469000	0.150355000
6	-3.200207000	-3.295729000	1.391019000
1	-3.033154000	-1.333746000	2.275021000
6	-1.393795000	-3.938747000	-0.070377000
1	0.171269000	-2.474242000	-0.335752000
6	-2.607424000	-4.232770000	0.548690000
1	-4.138993000	-3.523702000	1.886334000
1	-0.929075000	-4.664793000	-0.729661000
1	-3.085832000	-5.192077000	0.379249000
79	-3.042318000	0.517467000	-0.389836000
15	-4.982578000	0.212627000	-1.659366000
1	-4.828473000	-0.067423000	-3.026426000
1	-5.846972000	-0.838468000	-1.313305000
1	-5.923153000	1.251539000	-1.751786000
51	3.585228000	-0.423535000	-0.828642000
9	3.555954000	-1.374543000	0.830893000
9	5.462960000	-0.414895000	-0.895236000
9	3.517485000	1.173632000	0.204138000
9	3.353476000	0.582420000	-2.399450000
9	3.417614000	-2.044473000	-1.770241000
1	1.227853000	-0.409051000	0.747291000
6	1.048833000	-1.599075000	2.698995000
1	0.908268000	-1.369478000	3.760053000
1	0.469330000	-2.490319000	2.467030000
1	2.101994000	-1.821635000	2.524862000
6	2.522992000	0.836166000	2.828634000
1	3.016605000	1.802330000	2.842104000
1	2.266621000	0.558709000	3.856910000
1	3.226607000	0.095409000	2.443442000
9	1.611326000	-0.459212000	-0.607065000

A-2b

6	0.130191000	4.391269000	-0.218876000
6	-0.555975000	3.204150000	-0.174168000
6	-0.136142000	2.137936000	0.661612000
6	1.027669000	2.311858000	1.457243000
6	1.727765000	3.544551000	1.378701000
6	1.288011000	4.561318000	0.568751000
1	-0.211179000	5.196440000	-0.861368000
1	-1.446370000	3.058954000	-0.781034000

1	2.623018000	3.689175000	1.972292000
1	1.835769000	5.497381000	0.529158000
6	1.479190000	1.247434000	2.305649000
6	0.743378000	0.085593000	2.416635000
6	-0.847424000	0.885668000	0.687224000
6	-0.399089000	-0.101938000	1.566014000
6	-1.115531000	-1.417225000	1.584603000
6	-2.433889000	-1.496870000	2.046066000
6	-0.491314000	-2.573529000	1.104564000
6	-3.119429000	-2.709045000	2.023499000
1	-2.911882000	-0.600029000	2.431406000
6	-1.182733000	-3.781083000	1.071634000
1	0.534862000	-2.522270000	0.751967000
6	-2.496188000	-3.852821000	1.530381000
1	-4.137939000	-2.760611000	2.396073000
1	-0.691631000	-4.668609000	0.685644000
1	-3.029954000	-4.797682000	1.509129000
6	1.139074000	-1.005854000	3.383472000
1	1.930745000	-1.630913000	2.957772000
1	1.501409000	-0.585885000	4.323656000
1	0.291587000	-1.651833000	3.613637000
6	2.796167000	1.413743000	3.017917000
1	3.568669000	1.664312000	2.284328000
1	2.762849000	2.220237000	3.758311000
1	3.108052000	0.500720000	3.520597000
79	-2.488904000	0.511844000	-0.521547000
15	-4.304285000	0.013816000	-1.903281000
1	-4.982669000	1.056627000	-2.557245000
1	-4.075364000	-0.826243000	-3.004095000
1	-5.407623000	-0.651085000	-1.344100000
51	2.806124000	-0.809320000	-1.062205000
9	2.532203000	-1.405759000	0.711904000
9	4.653117000	-1.105940000	-1.065131000
9	2.851176000	0.954630000	-0.411065000
9	2.684919000	-0.168624000	-2.820369000
9	0.697779000	-0.490510000	-1.045915000
9	2.280362000	-2.517143000	-1.640669000
1	0.194631000	-0.027059000	-0.286553000
A-TSb3			
6	0.745914000	4.171215000	-0.795914000
6	0.015257000	3.014149000	-0.696170000
6	0.197790000	2.121002000	0.387795000
6	1.179631000	2.423281000	1.366994000
6	1.915476000	3.630864000	1.243578000
6	1.701543000	4.486888000	0.192773000

1	0.593182000	4.842873000	-1.634545000
1	-0.722068000	2.760643000	-1.454665000
1	2.664287000	3.880329000	1.986422000
1	2.276173000	5.404081000	0.114687000
6	1.442405000	1.486990000	2.419689000
6	0.693417000	0.328080000	2.543354000
6	-0.560016000	0.900546000	0.488834000
6	-0.320950000	0.058766000	1.580363000
6	-1.167189000	-1.171928000	1.701420000
6	-2.442745000	-1.061121000	2.268013000
6	-0.735157000	-2.415424000	1.229638000
6	-3.275185000	-2.173375000	2.362616000
1	-2.774096000	-0.094718000	2.639308000
6	-1.576471000	-3.522369000	1.315998000
1	0.253869000	-2.512807000	0.796716000
6	-2.843529000	-3.407674000	1.882316000
1	-4.257782000	-2.074810000	2.813938000
1	-1.233353000	-4.481084000	0.940459000
1	-3.489863000	-4.276831000	1.952696000
6	0.979327000	-0.680453000	3.630443000
1	1.892782000	-1.235282000	3.391430000
1	1.109512000	-0.203214000	4.604222000
1	0.170205000	-1.404329000	3.720579000
6	2.585518000	1.779923000	3.356342000
1	3.505543000	1.927310000	2.782708000
1	2.403921000	2.696710000	3.927485000
1	2.761592000	0.970937000	4.061229000
79	-2.308235000	0.566333000	-0.634398000
15	-4.248579000	0.117663000	-1.815009000
1	-4.917801000	1.163457000	-2.472320000
1	-4.174236000	-0.804856000	-2.869887000
1	-5.327038000	-0.432639000	-1.105390000
51	2.595277000	-1.082807000	-1.005463000
9	2.182265000	-1.532932000	0.792031000
9	4.425767000	-1.443814000	-0.826206000
9	2.683502000	0.720243000	-0.467905000
9	2.686807000	-0.569804000	-2.810095000
9	0.567389000	-0.703974000	-1.187843000
9	2.092061000	-2.827769000	-1.496387000
1	0.034949000	-0.001580000	-0.474743000
A-3b			
6	3.875270000	-3.712539000	-0.043951000
6	4.049623000	-2.353912000	-0.100930000
6	3.128476000	-1.476202000	0.528968000
6	2.005853000	-2.006970000	1.223972000

6	1.864343000	-3.421627000	1.273151000
6	2.769771000	-4.248707000	0.655708000
1	4.584830000	-4.378100000	-0.524726000
1	4.903059000	-1.924758000	-0.621135000
1	1.032300000	-3.858384000	1.812555000
1	2.638514000	-5.324585000	0.707429000
6	1.081763000	-1.110465000	1.860444000
6	1.273641000	0.263085000	1.787264000
6	3.270438000	-0.071501000	0.434487000
6	2.357463000	0.787835000	1.004351000
6	2.484095000	2.238434000	0.699151000
6	3.718439000	2.888731000	0.801171000
6	1.380717000	2.951313000	0.207818000
6	3.850400000	4.221908000	0.423843000
1	4.572674000	2.346174000	1.196664000
6	1.517737000	4.282522000	-0.174213000
1	0.412820000	2.459417000	0.129077000
6	2.751523000	4.921237000	-0.067769000
1	4.812180000	4.715721000	0.520155000
1	0.655235000	4.821342000	-0.553438000
1	2.854148000	5.960795000	-0.361778000
6	0.386796000	1.189657000	2.588274000
1	-0.616452000	1.266147000	2.160253000
1	0.278505000	0.811122000	3.607948000
1	0.811255000	2.191613000	2.645860000
6	-0.079260000	-1.673568000	2.643423000
1	-0.511689000	-2.540195000	2.141057000
1	0.242059000	-1.988819000	3.643334000
1	-0.883641000	-0.946873000	2.749718000
79	0.015784000	-0.569471000	-1.121600000
15	1.714158000	0.020796000	-2.413382000
1	2.280801000	1.264876000	-2.100595000
1	2.829035000	-0.828759000	-2.412031000
1	1.466794000	0.158731000	-3.785974000
51	-3.049218000	0.196750000	0.195317000
9	-1.539472000	1.377256000	0.034782000
9	-2.972000000	0.048773000	-1.693307000
9	-4.275451000	1.614023000	0.179438000
9	-4.333195000	-1.164254000	0.326846000
9	-2.801837000	0.239310000	2.068514000
9	-1.637419000	-1.216542000	0.146347000
1	4.100187000	0.334076000	-0.142960000
A-TSc1			
6	-2.131760000	2.467788000	-0.462273000
6	-1.350379000	1.716358000	-1.369245000

6	-0.701606000	2.353569000	-2.431323000
6	-0.870451000	3.738188000	-2.591567000
6	-1.661720000	4.476435000	-1.692543000
6	-2.290564000	3.844213000	-0.602290000
6	-2.600294000	1.538581000	0.640219000
6	-2.234537000	0.132030000	0.066228000
6	-1.367019000	0.281991000	-0.997565000
6	-2.681591000	-1.102247000	0.751369000
6	-1.765628000	-2.022735000	1.301072000
6	-4.063175000	-1.379865000	0.846403000
6	-2.225232000	-3.189634000	1.931646000
6	-4.519680000	-2.545765000	1.473939000
6	-3.599439000	-3.454787000	2.022588000
6	-1.432117000	1.402789000	1.601078000
1	-0.079401000	1.778853000	-3.110923000
1	-0.381641000	4.249762000	-3.414189000
1	-1.783060000	5.544915000	-1.838909000
1	-2.888171000	4.423527000	0.096492000
1	-0.701691000	-1.814590000	1.236689000
1	-4.775887000	-0.696793000	0.392933000
1	-1.507460000	-3.888131000	2.349841000
1	-5.584113000	-2.751502000	1.524345000
1	-3.951020000	-4.359857000	2.507551000
79	0.016249000	-1.043683000	-1.663868000
15	2.015720000	-2.413049000	-2.145664000
1	2.580083000	-3.049451000	-1.010017000
1	1.973210000	-3.496220000	-3.069702000
1	3.133348000	-1.683751000	-2.626334000
6	-1.484524000	0.910873000	2.926606000
1	-1.461762000	2.205604000	2.641252000
51	2.375808000	0.457909000	1.217724000
9	0.996480000	-0.874483000	1.368204000
9	1.445212000	1.355683000	2.653374000
9	3.442786000	-0.536036000	2.432863000
9	3.063272000	-0.514274000	-0.286894000
9	1.223424000	1.454736000	0.044775000
9	3.695393000	1.811602000	1.085974000
6	-3.965869000	1.817198000	1.250762000
1	-3.982924000	2.809242000	1.720612000
1	-4.726079000	1.807167000	0.464820000
1	-4.246270000	1.070956000	2.001085000
1	-2.434378000	0.664117000	3.391157000
1	-0.543960000	0.687467000	3.423975000
1	-0.450057000	1.607113000	1.170675000

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6	3.066041000	3.616222000	1.162466000
6	2.319883000	2.484186000	1.474022000
6	2.351536000	1.397199000	0.598880000
6	3.109649000	1.462193000	-0.582461000
6	3.836883000	2.598698000	-0.906133000
6	3.819619000	3.672075000	-0.014567000
1	3.063250000	4.467959000	1.834426000
1	1.724806000	2.432273000	2.381149000
1	4.410112000	2.656206000	-1.827348000
1	4.395674000	4.564171000	-0.238823000
6	1.663647000	0.105300000	0.705023000
6	2.039345000	-0.642864000	-0.398096000
6	2.867542000	0.223865000	-1.398306000
6	1.658889000	0.461240000	-2.323452000
6	0.916949000	1.602102000	-2.381906000
1	1.205432000	2.499222000	-1.842998000
1	0.919330000	0.227722000	-1.190096000
1	-0.041127000	1.598015000	-2.891674000
79	0.063919000	-0.285899000	1.916144000
15	-2.063984000	-0.509502000	2.863312000
1	-2.724416000	-1.731882000	2.685080000
1	-2.310397000	-0.298777000	4.231073000
1	-2.987509000	0.375633000	2.286888000
6	1.754987000	-2.079052000	-0.643964000
6	2.820140000	-2.987377000	-0.692212000
6	0.447114000	-2.555653000	-0.784571000
6	2.583389000	-4.344879000	-0.879934000
1	3.836379000	-2.631072000	-0.553608000
6	0.215525000	-3.915520000	-0.973727000
1	-0.388019000	-1.864207000	-0.759341000
6	1.279078000	-4.811704000	-1.024596000
1	3.417885000	-5.038215000	-0.905833000
1	-0.803812000	-4.269565000	-1.087784000
1	1.093578000	-5.870460000	-1.174475000
51	-2.398063000	0.574417000	-1.139366000
9	-0.819546000	1.314875000	-0.322086000
9	-2.280255000	-0.919924000	0.062749000
9	-2.355011000	2.042661000	-2.333040000
9	-1.196331000	-0.367682000	-2.293195000
9	-3.441614000	1.467698000	0.164407000
9	-3.905567000	-0.172733000	-1.978819000
6	4.069143000	-0.372837000	-2.112669000
1	4.468517000	0.343248000	-2.836795000
1	4.859628000	-0.611826000	-1.397208000
1	3.792240000	-1.283600000	-2.649168000

1	1.348549000	-0.394787000	-2.923806000
A-TS11			
6	-0.965661000	-3.946073000	-0.089755000
6	-0.813044000	-2.572460000	-0.044578000
6	-1.972653000	-1.780237000	-0.129552000
6	-3.233857000	-2.363442000	-0.386455000
6	-3.363577000	-3.761036000	-0.418388000
6	-2.230971000	-4.538132000	-0.268107000
1	-0.090165000	-4.579022000	0.009711000
1	0.164107000	-2.114344000	0.069332000
1	-4.329066000	-4.220857000	-0.604012000
1	-2.310823000	-5.619345000	-0.312614000
6	-4.254294000	-1.367802000	-0.593081000
6	-3.782505000	-0.137105000	-1.011634000
6	-4.606117000	1.117102000	-0.922145000
1	-4.867146000	1.344498000	0.116000000
1	-4.073492000	1.973094000	-1.337227000
1	-5.541715000	0.993591000	-1.481137000
6	-2.001697000	-0.357100000	-0.008131000
6	-1.428465000	0.747079000	0.340697000
6	-1.602895000	2.083495000	-0.249265000
6	-2.093060000	3.156885000	0.500511000
6	-1.284149000	2.261163000	-1.601927000
6	-2.322831000	4.382656000	-0.114937000
1	-2.310759000	3.015471000	1.555013000
6	-1.500404000	3.497362000	-2.203457000
1	-0.831944000	1.437115000	-2.146334000
6	-2.033332000	4.553671000	-1.467681000
1	-2.721525000	5.209442000	0.464269000
1	-1.244970000	3.636244000	-3.248971000
1	-2.204319000	5.514593000	-1.941860000
79	0.177504000	0.427528000	1.655581000
15	2.139907000	0.043104000	2.831435000
1	2.438227000	-1.287302000	3.149965000
1	3.283772000	0.429711000	2.124906000
1	2.369038000	0.646360000	4.080350000
51	2.575762000	-0.303295000	-1.162808000
9	2.193508000	-1.379885000	0.406523000
9	2.357768000	1.230509000	-0.035577000
9	0.680108000	-0.270073000	-1.450650000
9	2.711958000	-1.884064000	-2.182185000
9	2.867482000	0.796063000	-2.664337000
9	4.400383000	-0.346268000	-0.679053000
1	-2.984348000	-0.132005000	-1.762513000
6	-5.676605000	-1.582670000	-0.178801000

1	-5.886887000	-2.637219000	0.004166000
1	-5.870983000	-1.041272000	0.755394000
1	-6.376441000	-1.198712000	-0.926032000

B-re

6	2.993545000	-2.933987000	0.088589000
6	1.644991000	-2.605394000	0.104455000
6	1.233526000	-1.278049000	-0.071987000
6	2.191518000	-0.255448000	-0.262938000
6	3.542384000	-0.616715000	-0.293848000
6	3.944038000	-1.935936000	-0.114273000
1	3.301781000	-3.965215000	0.225141000
1	0.890540000	-3.370266000	0.254674000
1	4.283509000	0.152079000	-0.488256000
1	4.999565000	-2.186625000	-0.145534000
6	1.744841000	1.131866000	-0.485351000
1	0.856249000	1.231494000	-1.107224000
6	2.289050000	2.251907000	0.011595000
6	3.447549000	2.294150000	0.972356000
1	3.245369000	3.024848000	1.762993000
6	1.724543000	3.598804000	-0.351548000
1	0.905533000	3.515875000	-1.069081000
1	1.356191000	4.117512000	0.541173000
1	2.501429000	4.237725000	-0.787994000
6	-0.161907000	-0.961847000	-0.046834000
6	-1.341822000	-0.685917000	-0.024426000
6	-2.728911000	-0.335686000	0.007299000
6	-3.714645000	-1.326055000	0.124284000
6	-3.114208000	1.010264000	-0.076042000
6	-5.057777000	-0.973163000	0.158433000
1	-3.412909000	-2.366073000	0.188046000
6	-4.459175000	1.354695000	-0.041900000
1	-2.347260000	1.772708000	-0.165661000
6	-5.433781000	0.365641000	0.075220000
1	-5.814313000	-1.745656000	0.251114000
1	-4.749022000	2.398533000	-0.106198000
1	-6.483934000	0.637899000	0.101849000
1	3.639998000	1.326548000	1.437541000
1	4.364728000	2.623840000	0.468901000

B-1

6	-1.685169000	-3.541798000	-1.183185000
6	-1.255116000	-2.230788000	-1.034679000
6	-2.162122000	-1.251352000	-0.602040000
6	-3.508077000	-1.567004000	-0.314944000
6	-3.902411000	-2.900587000	-0.462516000
6	-3.007933000	-3.874289000	-0.895306000

1	-0.986133000	-4.300569000	-1.517013000
1	-0.229142000	-1.946973000	-1.250302000
1	-4.920083000	-3.175331000	-0.204733000
1	-3.343292000	-4.901673000	-0.994988000
6	-4.423989000	-0.521179000	0.174837000
1	-3.990627000	0.175799000	0.892091000
6	-5.702836000	-0.330557000	-0.182351000
6	-6.433425000	-1.131012000	-1.226791000
1	-7.011102000	-0.458485000	-1.869493000
6	-6.513972000	0.768010000	0.449170000
1	-5.948539000	1.306746000	1.212302000
1	-6.850405000	1.484452000	-0.308882000
1	-7.417351000	0.357598000	0.915208000
6	-1.698933000	0.106544000	-0.477878000
6	-1.301610000	1.269628000	-0.509570000
6	-0.891862000	2.632526000	-0.733004000
6	0.470274000	2.931454000	-0.889367000
6	-1.856958000	3.644446000	-0.811635000
6	0.852342000	4.246205000	-1.124709000
1	1.206257000	2.135089000	-0.826369000
6	-1.458179000	4.953024000	-1.051830000
1	-2.905679000	3.393927000	-0.690149000
6	-0.106302000	5.254444000	-1.207388000
1	1.904190000	4.479771000	-1.248768000
1	-2.203122000	5.738779000	-1.119836000
1	0.200136000	6.278396000	-1.395252000
79	-0.103162000	0.271189000	1.241708000
15	1.321535000	-0.186468000	2.956498000
1	1.412237000	-1.531130000	3.324207000
1	2.645226000	0.163713000	2.684008000
1	1.094763000	0.419504000	4.202190000
51	2.949844000	-0.729869000	-0.681348000
9	2.122560000	-1.661931000	0.793356000
9	2.901576000	0.822424000	0.450755000
9	1.176815000	-0.203622000	-1.221782000
9	2.767661000	-2.280496000	-1.736931000
9	3.681272000	0.289040000	-2.085732000
9	4.645652000	-1.214136000	-0.019955000
1	-5.760809000	-1.716500000	-1.854605000
1	-7.153912000	-1.814504000	-0.761537000
B-TS1			
6	2.864061000	-3.861576000	1.067549000
6	3.933110000	-3.327002000	1.782873000
6	4.202895000	-1.959225000	1.732356000
6	3.403811000	-1.134351000	0.949743000

6	2.323102000	-1.673531000	0.228035000
6	2.054797000	-3.038395000	0.288616000
1	2.659923000	-4.925914000	1.116941000
1	4.559699000	-3.975530000	2.386229000
1	5.029862000	-1.541299000	2.298134000
1	1.217916000	-3.445272000	-0.270531000
6	3.563765000	0.332567000	0.831385000
6	1.580865000	-0.681083000	-0.551771000
6	1.906535000	0.575839000	-0.477265000
6	1.726573000	1.928295000	-0.955567000
6	2.641122000	2.462863000	-1.876434000
6	0.658685000	2.709929000	-0.491490000
6	2.486703000	3.764711000	-2.332449000
1	3.461627000	1.844422000	-2.228133000
6	0.506502000	4.009600000	-0.965737000
1	-0.047501000	2.295873000	0.219464000
6	1.417440000	4.537241000	-1.877691000
1	3.192174000	4.175968000	-3.046723000
1	-0.328395000	4.608226000	-0.617576000
1	1.294292000	5.553137000	-2.239503000
79	-0.230725000	-1.077117000	-1.524615000
15	-2.354866000	-1.484068000	-2.344171000
1	-3.075315000	-2.540911000	-1.779436000
1	-3.247229000	-0.419680000	-2.188151000
1	-2.516062000	-1.773995000	-3.709728000
6	2.882093000	1.205071000	1.644366000
6	1.821507000	0.776877000	2.606201000
1	1.623561000	-0.293423000	2.574124000
1	2.127481000	1.062764000	3.619470000
1	0.883529000	1.303998000	2.394477000
6	3.195008000	2.666973000	1.615190000
1	2.276071000	3.257421000	1.550870000
1	3.684967000	2.931925000	2.559758000
1	3.854423000	2.936491000	0.788119000
1	4.368921000	0.724036000	0.209004000
51	-2.271827000	0.379867000	1.287184000
9	-1.804038000	1.050268000	-0.452686000
9	-3.094533000	-1.080804000	0.363848000
9	-2.723556000	-0.301924000	2.983666000
9	-1.276098000	1.834779000	2.025626000
9	-3.855877000	1.400652000	1.219954000
9	-0.647891000	-0.632638000	1.305868000
B-2			
6	2.315652000	2.676675000	0.362565000
6	1.374401000	1.921226000	1.101075000

6	0.590320000	2.517641000	2.098867000
6	0.774817000	3.866526000	2.360069000
6	1.709725000	4.606697000	1.623211000
6	2.473701000	4.031466000	0.605622000
6	2.886718000	1.815403000	-0.702532000
6	2.225284000	0.459524000	-0.502797000
6	1.319106000	0.569626000	0.620459000
6	2.828398000	-0.865330000	-0.845487000
6	2.019173000	-1.873591000	-1.380051000
6	4.181581000	-1.113872000	-0.620193000
6	2.566901000	-3.116615000	-1.680454000
6	4.727189000	-2.359161000	-0.925788000
6	3.920795000	-3.361877000	-1.455266000
6	1.881660000	1.436109000	-1.749436000
6	2.426983000	0.931094000	-3.064207000
1	-0.148760000	1.926135000	2.629896000
1	0.190328000	4.359602000	3.128604000
1	1.837866000	5.661772000	1.846169000
1	3.173151000	4.631065000	0.032729000
1	0.967042000	-1.665202000	-1.563411000
1	4.808310000	-0.332589000	-0.198477000
1	1.935688000	-3.893144000	-2.100781000
1	5.781077000	-2.545361000	-0.745254000
1	4.345726000	-4.331624000	-1.693876000
1	1.772451000	0.151078000	-3.464514000
79	0.155909000	-0.924328000	1.340687000
15	-1.220602000	-2.641938000	2.160918000
1	-0.715415000	-3.540757000	3.117314000
1	-2.403613000	-2.245293000	2.792861000
1	-1.719853000	-3.541508000	1.211858000
6	0.541669000	2.115612000	-1.904232000
1	0.704189000	3.074589000	-2.409163000
1	-0.108353000	1.504808000	-2.528775000
1	0.010392000	2.302147000	-0.971965000
1	3.931409000	1.876697000	-0.993166000
51	-2.585093000	0.213612000	-0.903326000
9	-2.386683000	1.650673000	-2.120278000
9	-1.643086000	1.228414000	0.427283000
9	-4.235378000	0.865889000	-0.268710000
9	-3.408273000	-0.871362000	-2.208024000
9	-0.863474000	-0.466659000	-1.435601000
9	-2.683603000	-1.236841000	0.356046000
1	3.437130000	0.527356000	-2.977520000
1	2.433240000	1.763048000	-3.775918000

B-TSa1

6	2.002807000	-2.218007000	-3.667779000
6	1.412999000	-1.107429000	-3.066547000
6	1.817450000	-0.741276000	-1.785227000
6	2.799633000	-1.493561000	-1.125635000
6	3.382789000	-2.604599000	-1.713344000
6	2.981242000	-2.959256000	-3.003100000
1	1.697298000	-2.513913000	-4.666398000
1	0.645248000	-0.534568000	-3.578635000
1	4.134054000	-3.189763000	-1.189167000
1	3.431722000	-3.817529000	-3.490841000
6	1.375721000	0.381165000	-0.935005000
6	2.074148000	0.328338000	0.226665000
6	2.973742000	-0.938206000	0.261699000
1	4.014377000	-0.706340000	0.519244000
6	2.401778000	-1.843772000	1.324335000
6	1.344024000	-2.691249000	1.072613000
6	2.929502000	-1.684838000	2.710664000
1	2.892111000	-0.631086000	3.006898000
1	2.388636000	-2.296780000	3.433041000
1	3.985969000	-1.976613000	2.708620000
79	-0.231330000	1.561227000	-1.350393000
15	-2.291707000	2.644470000	-1.586460000
1	-3.378475000	1.812413000	-1.894166000
1	-2.797125000	3.259592000	-0.432070000
1	-2.525128000	3.675965000	-2.513297000
6	2.051741000	1.281055000	1.353684000
6	3.255319000	1.699644000	1.941885000
6	0.851085000	1.808082000	1.853276000
6	3.264593000	2.619864000	2.984844000
1	4.198116000	1.316479000	1.559498000
6	0.863442000	2.732420000	2.893126000
1	-0.093129000	1.463323000	1.443952000
6	2.065801000	3.142091000	3.463842000
1	4.209162000	2.936427000	3.416240000
1	-0.076830000	3.121605000	3.270938000
1	2.069098000	3.858492000	4.279004000
1	0.602965000	-1.664572000	1.419294000
51	-2.094050000	-1.301856000	0.862893000
9	-1.596319000	-3.095515000	1.199382000
9	-2.894778000	-1.180533000	2.558037000
9	-2.304745000	0.580181000	0.640612000
9	-0.350476000	-0.860317000	1.759755000
9	-3.691327000	-1.702156000	-0.038327000
9	-1.061128000	-1.375378000	-0.725272000
1	1.027972000	-3.395458000	1.837468000

1	1.023234000	-2.886340000	0.053105000
B-1a			
6	-4.430947000	-2.062560000	-1.677731000
6	-3.210619000	-2.055065000	-1.006023000
6	-2.821300000	-0.893941000	-0.344975000
6	-3.640283000	0.242912000	-0.354078000
6	-4.847534000	0.242447000	-1.036592000
6	-5.239363000	-0.923699000	-1.695827000
1	-4.755022000	-2.957586000	-2.199049000
1	-2.569912000	-2.932580000	-0.993599000
1	-5.469287000	1.132625000	-1.065520000
1	-6.182512000	-0.945708000	-2.232499000
6	-1.590421000	-0.620429000	0.430150000
6	-1.669140000	0.676528000	0.874076000
6	-2.986369000	1.339980000	0.449789000
1	-3.560494000	1.504485000	1.374904000
6	-2.836281000	2.681892000	-0.257469000
6	-2.541633000	2.746206000	-1.555586000
6	-3.027526000	3.902279000	0.599347000
1	-2.370578000	3.871762000	1.475476000
1	-2.821378000	4.818224000	0.041503000
1	-4.057393000	3.947173000	0.972633000
79	0.006081000	-1.890960000	0.650189000
15	2.008287000	-3.100964000	0.643965000
1	3.146086000	-2.304005000	0.825283000
1	2.285119000	-4.132631000	1.556708000
1	2.348664000	-3.748779000	-0.551260000
6	-0.674371000	1.335766000	1.755050000
6	-0.321651000	0.728311000	2.965907000
6	-0.030608000	2.517214000	1.371837000
6	0.652788000	1.294633000	3.780175000
1	-0.824841000	-0.188482000	3.259678000
6	0.957998000	3.070378000	2.179260000
1	-0.263639000	2.972477000	0.413989000
6	1.296765000	2.465091000	3.385848000
1	0.913357000	0.819046000	4.720458000
1	1.476870000	3.964451000	1.849776000
1	2.067606000	2.899571000	4.014366000
1	-0.615456000	0.436813000	-0.485853000
51	2.147210000	0.783551000	-1.232255000
9	1.922154000	1.164266000	-3.052443000
9	1.979097000	2.603892000	-0.798307000
9	2.000952000	0.324478000	0.595304000
9	0.048117000	0.784366000	-1.241861000
9	4.020495000	0.763801000	-1.243579000

9	1.999972000	-1.073759000	-1.606185000
1	-2.408867000	3.701558000	-2.053443000
1	-2.424797000	1.849764000	-2.158243000
B-TSa2			
6	-4.327027000	-2.228960000	-1.634306000
6	-3.113684000	-2.177659000	-0.952588000
6	-2.763072000	-0.993843000	-0.310043000
6	-3.608749000	0.121906000	-0.348578000
6	-4.808999000	0.077904000	-1.042601000
6	-5.163571000	-1.110953000	-1.680863000
1	-4.623408000	-3.140717000	-2.142545000
1	-2.448776000	-3.036230000	-0.919196000
1	-5.452106000	0.951451000	-1.095739000
1	-6.100817000	-1.167589000	-2.225356000
6	-1.544779000	-0.677139000	0.468088000
6	-1.653150000	0.638604000	0.872690000
6	-2.992030000	1.251799000	0.437377000
1	-3.564117000	1.398497000	1.366927000
6	-2.899872000	2.593776000	-0.277973000
6	-2.607844000	2.661481000	-1.576241000
6	-3.144772000	3.809282000	0.572057000
1	-2.479332000	3.817317000	1.442303000
1	-2.987913000	4.729964000	0.006241000
1	-4.172440000	3.807038000	0.954071000
79	0.102968000	-1.883045000	0.693953000
15	2.168326000	-2.976388000	0.650583000
1	3.250115000	-2.092120000	0.748475000
1	2.547809000	-3.945799000	1.593572000
1	2.496728000	-3.652259000	-0.532094000
6	-0.689836000	1.348561000	1.750307000
6	-0.331054000	0.791402000	2.982166000
6	-0.090215000	2.541400000	1.334454000
6	0.607363000	1.424903000	3.789807000
1	-0.797522000	-0.137468000	3.298491000
6	0.863132000	3.160372000	2.135143000
1	-0.328982000	2.953092000	0.358817000
6	1.207664000	2.608142000	3.365298000
1	0.875654000	0.990949000	4.747830000
1	1.350325000	4.063128000	1.782313000
1	1.951531000	3.093345000	3.989169000
1	-0.740483000	0.401098000	-0.361429000
51	2.039613000	0.815270000	-1.272823000
9	1.819608000	1.161182000	-3.102964000
9	1.879347000	2.644606000	-0.859989000
9	1.974961000	0.380869000	0.571899000

9	-0.002852000	0.760117000	-1.217980000
9	3.916416000	0.819646000	-1.307260000
9	1.953460000	-1.059669000	-1.609438000
1	-2.517627000	3.618744000	-2.079929000
1	-2.443698000	1.768563000	-2.172568000

B-2a

6	-2.406606000	1.553143000	-3.839049000
6	-1.641988000	0.614501000	-3.177373000
6	-1.907177000	0.376196000	-1.813565000
6	-2.934625000	1.068558000	-1.132509000
6	-3.683683000	2.029160000	-1.800885000
6	-3.413812000	2.253081000	-3.147742000
1	-2.226571000	1.772158000	-4.885442000
1	-0.837724000	0.076435000	-3.670259000
1	-4.449082000	2.598791000	-1.283742000
1	-3.992813000	2.998520000	-3.685258000
6	-1.179951000	-0.452480000	-0.919596000
6	-1.714026000	-0.217627000	0.451812000
6	-3.019251000	0.618331000	0.299581000
1	-3.868406000	-0.074480000	0.387199000
6	-3.181134000	1.735413000	1.319524000
6	-2.234013000	2.662347000	1.454809000
6	-4.433652000	1.697265000	2.148988000
1	-4.485029000	0.760684000	2.716895000
1	-4.472534000	2.531252000	2.852073000
1	-5.329145000	1.734432000	1.516762000
79	0.579271000	-1.392999000	-1.209597000
15	2.815430000	-2.132762000	-1.282435000
1	3.471148000	-2.026293000	-0.051357000
1	3.134269000	-3.455566000	-1.635450000
1	3.687639000	-1.430834000	-2.120470000
6	-1.788537000	-1.392781000	1.389763000
6	-2.463572000	-2.558554000	1.018018000
6	-1.219426000	-1.301825000	2.660398000
6	-2.569816000	-3.623089000	1.907359000
1	-2.908410000	-2.629790000	0.026687000
6	-1.331139000	-2.365634000	3.551131000
1	-0.671411000	-0.403740000	2.930494000
6	-2.005373000	-3.525505000	3.177639000
1	-3.092992000	-4.526744000	1.610987000
1	-0.884018000	-2.288949000	4.536952000
1	-2.088013000	-4.353882000	3.873909000
1	-0.941616000	0.466435000	0.841832000
51	1.967099000	1.445771000	0.839043000
9	2.619948000	3.132351000	0.316686000

9	0.847708000	2.166149000	2.188108000
9	1.261277000	-0.285588000	1.289417000
9	0.492440000	1.642601000	-0.382678000
9	3.410445000	1.159593000	2.017271000
9	2.929927000	0.566174000	-0.573278000
1	-2.328898000	3.456481000	2.188545000
1	-1.321284000	2.644609000	0.863564000
B-TSa3			
6	4.700660000	1.902604000	-1.613437000
6	3.455133000	1.945383000	-0.990957000
6	3.001113000	0.801945000	-0.345759000
6	3.771465000	-0.365934000	-0.317869000
6	5.002364000	-0.416780000	-0.955384000
6	5.463072000	0.732388000	-1.598555000
1	5.080379000	2.782705000	-2.121792000
1	2.847208000	2.845284000	-1.005060000
1	5.590243000	-1.329739000	-0.961500000
1	6.426629000	0.716148000	-2.097659000
6	1.720004000	0.582437000	0.377273000
6	1.764316000	-0.728665000	0.871758000
6	3.039515000	-1.443527000	0.447468000
1	3.575097000	-1.688023000	1.377514000
6	2.767008000	-2.741193000	-0.313941000
6	2.375786000	-2.701619000	-1.586149000
6	2.931194000	-4.012659000	0.468731000
1	2.300238000	-4.000680000	1.364737000
1	2.661866000	-4.883809000	-0.131447000
1	3.967901000	-4.128224000	0.805828000
79	0.071948000	1.863584000	0.581488000
15	-1.947008000	3.002963000	0.587403000
1	-3.033666000	2.150065000	0.803731000
1	-2.207272000	4.021624000	1.519948000
1	-2.321653000	3.649511000	-0.594866000
6	0.699499000	-1.321990000	1.697910000
6	0.375780000	-0.674647000	2.897586000
6	-0.026209000	-2.446645000	1.291586000
6	-0.642076000	-1.170604000	3.702097000
1	0.936772000	0.207004000	3.193360000
6	-1.071270000	-2.909394000	2.082293000
1	0.164985000	-2.896467000	0.323643000
6	-1.369397000	-2.284477000	3.289965000
1	-0.879818000	-0.676504000	4.638284000
1	-1.674236000	-3.737943000	1.729005000
1	-2.185561000	-2.653780000	3.902565000
1	0.999846000	-0.137096000	-0.294689000

51	-2.224820000	-0.717500000	-1.148503000
9	-2.280332000	-1.145540000	-2.980818000
9	-2.235617000	-2.542274000	-0.644962000
9	-2.056062000	-0.198674000	0.685490000
9	-0.289245000	-0.807349000	-1.236555000
9	-4.100265000	-0.574223000	-1.026922000
9	-2.084308000	1.154881000	-1.552255000
1	2.150083000	-3.613009000	-2.130345000
1	2.252700000	-1.763300000	-2.119699000
B-3a			
6	-5.277997000	-1.536278000	0.276622000
6	-4.847684000	-0.562057000	-0.628024000
6	-3.708920000	0.180588000	-0.317799000
6	-3.018029000	-0.044177000	0.888236000
6	-3.450652000	-1.007912000	1.786173000
6	-4.586871000	-1.762928000	1.468514000
1	-6.164607000	-2.121083000	0.052258000
1	-5.390262000	-0.388000000	-1.552543000
1	-2.921679000	-1.161602000	2.723497000
1	-4.943559000	-2.518644000	2.160932000
6	-2.998970000	1.216814000	-1.061701000
6	-1.926567000	1.643104000	-0.353596000
6	-1.838374000	0.898429000	0.973114000
6	-1.890108000	1.808236000	2.188598000
6	-0.955983000	1.713618000	3.133859000
1	-0.126021000	1.019277000	3.039096000
1	-0.985083000	2.348303000	4.014603000
79	-0.041417000	-1.359491000	-0.876999000
15	-1.742136000	-2.771362000	-0.704102000
1	-1.885862000	-3.369327000	0.553155000
1	-3.035766000	-2.297451000	-0.960993000
1	-1.663444000	-3.897838000	-1.535023000
6	-0.970707000	2.688302000	-0.737723000
6	0.325254000	2.693355000	-0.207430000
6	-1.334805000	3.690007000	-1.649347000
6	1.245568000	3.657806000	-0.605409000
1	0.625295000	1.934370000	0.507478000
6	-0.418376000	4.657732000	-2.036875000
1	-2.348867000	3.716821000	-2.037722000
6	0.876373000	4.640579000	-1.518892000
1	2.250927000	3.619972000	-0.202193000
1	-0.714692000	5.430620000	-2.739087000
1	1.593752000	5.394649000	-1.826934000
51	2.879235000	-0.319909000	0.499115000
9	2.425117000	-2.150857000	0.224295000

9	4.329757000	-0.450863000	-0.682267000
9	1.221955000	-0.203270000	1.468212000
9	3.882148000	-0.664351000	2.044330000
9	1.678839000	-0.043288000	-1.071066000
9	3.046235000	1.552411000	0.626113000
1	-0.898617000	0.332803000	1.036658000
6	-3.027981000	2.788939000	2.235471000
1	-3.054557000	3.315113000	3.191526000
1	-2.922544000	3.531193000	1.435934000
1	-3.989290000	2.285048000	2.085014000
1	-3.289609000	1.568370000	-2.045364000

B-TSb1

6	-3.271318000	3.632253000	0.507994000
6	-2.413543000	2.663448000	-0.007330000
6	-2.636651000	1.307866000	0.229778000
6	-3.775098000	0.948516000	1.004593000
6	-4.673943000	1.927145000	1.454649000
6	-4.406106000	3.270029000	1.234797000
1	-3.066638000	4.680525000	0.316226000
1	-1.557734000	2.952596000	-0.608396000
1	-5.550006000	1.627914000	2.022531000
1	-5.080408000	4.029132000	1.615009000
6	-1.833580000	0.242329000	-0.389330000
6	-2.033399000	-1.023830000	-0.079316000
6	-4.015205000	-0.445325000	1.219534000
6	-2.992386000	-1.369404000	1.455299000
6	-3.435793000	-2.813098000	1.612690000
1	-2.580620000	-3.489946000	1.581985000
79	-0.167119000	0.686686000	-1.569232000
15	1.801198000	1.198425000	-2.678542000
1	2.545564000	0.122301000	-3.172689000
1	1.772880000	2.018392000	-3.821222000
1	2.741456000	1.862133000	-1.884913000
6	-1.361040000	-2.279932000	-0.424426000
6	-2.023308000	-3.264856000	-1.170728000
6	-0.038106000	-2.490922000	-0.013911000
6	-1.363094000	-4.439701000	-1.507954000
1	-3.046977000	-3.094159000	-1.492554000
6	0.616017000	-3.670320000	-0.350826000
1	0.470829000	-1.723598000	0.553712000
6	-0.045457000	-4.644821000	-1.094160000
1	-1.873059000	-5.196918000	-2.094475000
1	1.642503000	-3.806155000	-0.027007000
1	0.464073000	-5.566718000	-1.356323000
1	-5.040861000	-0.809668000	1.116813000

6	-1.882580000	-0.990361000	2.453888000
1	-2.265576000	-1.209574000	3.456502000
1	-0.993823000	-1.599216000	2.281513000
1	-1.593035000	0.056760000	2.388123000
51	2.563248000	0.231788000	1.195390000
9	2.436213000	-1.568373000	1.792066000
9	2.450135000	-0.459758000	-0.600877000
9	0.641177000	0.293608000	1.243157000
9	4.444866000	0.163541000	1.098714000
9	2.533293000	1.969123000	0.410765000
9	2.609888000	0.911483000	2.953403000
1	-4.140718000	-3.113818000	0.833862000
1	-3.921647000	-2.926446000	2.587371000
B-1b			
6	-0.207909000	3.974739000	0.243779000
6	-1.102577000	2.924051000	0.148602000
6	-0.677067000	1.596633000	0.325684000
6	0.714258000	1.399298000	0.620264000
6	1.623200000	2.495964000	0.711713000
6	1.160538000	3.772454000	0.522913000
1	-0.570848000	4.988148000	0.096451000
1	-2.148914000	3.114194000	-0.069829000
1	2.668292000	2.275811000	0.910988000
1	1.834555000	4.619467000	0.576304000
6	1.180775000	0.112088000	0.820646000
6	0.361986000	-1.073351000	0.590470000
6	-1.598134000	0.475610000	0.229566000
6	-1.101760000	-0.785900000	0.382329000
6	-2.008190000	-1.960032000	0.213384000
6	-2.441293000	-2.708031000	1.312990000
6	-2.479854000	-2.296356000	-1.061434000
6	-3.330106000	-3.765677000	1.141757000
1	-2.092860000	-2.446515000	2.307707000
6	-3.359919000	-3.361481000	-1.233333000
1	-2.147998000	-1.713481000	-1.916796000
6	-3.788099000	-4.097258000	-0.131159000
1	-3.663537000	-4.332413000	2.005189000
1	-3.708457000	-3.617184000	-2.228895000
1	-4.475128000	-4.926768000	-0.263372000
6	0.697162000	-2.174044000	1.617175000
1	1.781353000	-2.305982000	1.639920000
1	0.345243000	-1.902462000	2.615816000
1	0.230788000	-3.115962000	1.323340000
79	-3.617669000	0.729344000	-0.104519000
15	-5.923238000	0.938780000	-0.453742000

1	-6.664294000	-0.237150000	-0.648788000
1	-6.705253000	1.531343000	0.550497000
1	-6.381258000	1.677416000	-1.556883000
51	4.740295000	-0.171110000	-0.225333000
9	6.256518000	-0.777460000	0.714625000
9	4.200955000	0.906126000	1.275627000
9	3.675330000	-1.563290000	0.578100000
9	3.107623000	0.419787000	-1.044852000
9	5.082508000	-1.287944000	-1.705997000
9	5.672271000	1.288373000	-0.969453000
6	0.912747000	-1.579409000	-0.818723000
1	0.334858000	-2.473057000	-1.067206000
1	0.780293000	-0.814641000	-1.585099000
1	1.970424000	-1.816370000	-0.717422000
1	2.210730000	-0.043815000	1.131020000

B-TSb2

6	0.408748000	-4.428259000	-0.162633000
6	1.058543000	-3.239239000	-0.056712000
6	0.501890000	-2.145245000	0.691941000
6	-0.773887000	-2.362265000	1.338459000
6	-1.434027000	-3.628529000	1.190222000
6	-0.863888000	-4.624488000	0.463926000
1	0.847471000	-5.239101000	-0.734901000
1	2.020152000	-3.085816000	-0.537929000
1	-2.404958000	-3.759008000	1.657492000
1	-1.372793000	-5.575295000	0.345481000
6	-1.367525000	-1.337151000	2.049184000
6	-0.744241000	-0.073488000	2.191222000
6	1.132951000	-0.899230000	0.739620000
6	0.531366000	0.138882000	1.533201000
6	1.056221000	1.535435000	1.358411000
6	2.358369000	1.882816000	1.737635000
6	0.263532000	2.468938000	0.686151000
6	2.854721000	3.154752000	1.471925000
1	2.999384000	1.151192000	2.225755000
6	0.768495000	3.739165000	0.417220000
1	-0.732225000	2.197362000	0.352109000
6	2.057129000	4.087435000	0.811116000
1	3.861782000	3.416467000	1.781061000
1	0.143001000	4.453839000	-0.107314000
1	2.442015000	5.081044000	0.604092000
6	0.732553000	-0.396347000	3.362297000
1	0.064367000	-0.166177000	4.190414000
1	0.970264000	-1.453037000	3.296977000
1	1.611663000	0.237222000	3.448071000

79	2.659705000	-0.370567000	-0.537428000
15	4.225896000	0.354600000	-2.107332000
1	4.108629000	-0.109917000	-3.426543000
1	4.270072000	1.736144000	-2.350859000
1	5.594948000	0.114112000	-1.903963000
51	-3.185682000	0.497281000	-0.800713000
9	-4.994093000	0.971692000	-1.050852000
9	-3.450607000	-1.267877000	-1.420571000
9	-3.573437000	-0.087675000	0.981785000
9	-1.333988000	0.095333000	-0.464543000
9	-2.802328000	2.220905000	-0.047151000
9	-2.712773000	1.115221000	-2.521934000
6	-1.543081000	1.062284000	2.775037000
1	-0.903325000	1.856685000	3.162481000
1	-2.183538000	1.472977000	1.989665000
1	-2.191312000	0.688256000	3.571583000
1	-2.363113000	-1.463698000	2.459521000

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6	0.671192000	-4.201949000	-0.501680000
6	1.392601000	-3.071206000	-0.253233000
6	0.798120000	-1.950498000	0.416789000
6	-0.580756000	-2.033442000	0.825809000
6	-1.307537000	-3.206276000	0.527447000
6	-0.694129000	-4.256407000	-0.113469000
1	1.123692000	-5.050499000	-1.002122000
1	2.436086000	-2.994012000	-0.546474000
1	-2.363069000	-3.234559000	0.770021000
1	-1.270543000	-5.147847000	-0.341810000
6	-1.222241000	-0.938123000	1.478678000
6	-0.567644000	0.220520000	1.724235000
6	1.516523000	-0.775385000	0.619583000
6	0.903293000	0.341720000	1.414119000
6	1.218636000	1.667710000	0.711314000
6	2.207067000	2.548257000	1.152853000
6	0.520758000	1.954704000	-0.468070000
6	2.505755000	3.695728000	0.417309000
1	2.749648000	2.357601000	2.073031000
6	0.821109000	3.100897000	-1.196766000
1	-0.285109000	1.298953000	-0.791163000
6	1.819183000	3.971086000	-0.760829000
1	3.266910000	4.380509000	0.778315000
1	0.262333000	3.317912000	-2.101137000
1	2.047202000	4.868028000	-1.327624000
6	1.625012000	0.214226000	2.800651000
1	1.299569000	1.034452000	3.444854000

1	1.357978000	-0.735001000	3.269275000
1	2.709493000	0.258998000	2.682811000
79	3.355645000	-0.376463000	-0.212469000
15	5.356735000	0.260317000	-1.262356000
1	5.268786000	1.357756000	-2.131635000
1	6.429733000	0.677990000	-0.459978000
1	6.026109000	-0.650175000	-2.093246000
51	-4.136633000	0.269693000	-0.411836000
9	-5.901731000	-0.390317000	-0.293645000
9	-3.443706000	-1.514065000	-0.327288000
9	-3.987790000	0.301504000	1.499839000
9	-2.325677000	0.907623000	-0.490622000
9	-4.732417000	2.062975000	-0.402975000
9	-4.159796000	0.191700000	-2.299782000
6	-1.276109000	1.410958000	2.282600000
1	-0.641259000	1.997341000	2.953791000
1	-1.558396000	2.051975000	1.438977000
1	-2.200608000	1.116986000	2.778169000
1	-2.282181000	-1.014857000	1.696167000

B-TSb3

6	0.384554000	4.407042000	0.404718000
6	-0.447798000	3.301843000	0.413453000
6	-0.078210000	2.134168000	1.097141000
6	1.148915000	2.097498000	1.785240000
6	1.997743000	3.214697000	1.745636000
6	1.619084000	4.356789000	1.065669000
1	0.090371000	5.304926000	-0.128236000
1	-1.395667000	3.322192000	-0.119030000
1	2.958291000	3.162801000	2.248956000
1	2.281699000	5.215500000	1.037824000
6	1.511040000	0.915157000	2.527715000
6	0.723324000	-0.177274000	2.608326000
6	-0.916785000	0.931022000	1.041929000
6	-0.527693000	-0.192668000	1.822909000
6	-1.126198000	-1.547823000	1.543797000
6	-1.836957000	-2.267276000	2.507958000
6	-0.871300000	-2.136549000	0.300109000
6	-2.312469000	-3.543961000	2.227100000
1	-2.027218000	-1.834607000	3.486428000
6	-1.339136000	-3.419450000	0.028377000
1	-0.279508000	-1.609628000	-0.438631000
6	-2.063594000	-4.123643000	0.985377000
1	-2.870010000	-4.087559000	2.982818000
1	-1.109762000	-3.868228000	-0.932726000
1	-2.423435000	-5.124975000	0.771424000

6	-1.893204000	0.755371000	2.646942000
1	-2.825933000	0.283843000	2.358975000
1	-1.546525000	0.398973000	3.618107000
1	-1.968534000	1.838096000	2.697963000
79	-2.093687000	0.640792000	-0.662170000
15	-3.130307000	0.223476000	-2.686737000
1	-3.012160000	1.183843000	-3.703113000
1	-2.677711000	-0.911232000	-3.374940000
1	-4.514598000	-0.002058000	-2.736267000
51	2.479169000	-0.697647000	-0.942707000
9	4.081625000	-1.683760000	-1.063579000
9	3.261052000	0.619761000	0.181597000
9	1.962660000	-1.670129000	0.620167000
9	0.803268000	0.259507000	-0.817564000
9	1.507457000	-1.980015000	-1.963869000
9	2.890336000	0.301855000	-2.491818000
6	1.118001000	-1.389272000	3.399568000
1	0.383126000	-1.623085000	4.178491000
1	1.203067000	-2.254099000	2.737953000
1	2.084528000	-1.222531000	3.877967000
1	2.474714000	0.914129000	3.030381000

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6	0.156363000	-4.221131000	1.303858000
6	1.101934000	-3.444467000	0.681405000
6	1.222127000	-2.044637000	0.985690000
6	0.347357000	-1.493495000	1.979601000
6	-0.641740000	-2.325199000	2.570660000
6	-0.731373000	-3.654168000	2.249881000
1	0.089285000	-5.277948000	1.067879000
1	1.786861000	-3.892692000	-0.029980000
1	-1.323249000	-1.877103000	3.286783000
1	-1.485668000	-4.277482000	2.718279000
6	0.487263000	-0.135577000	2.346105000
6	1.442449000	0.668941000	1.778016000
6	2.230166000	-1.197084000	0.385257000
6	2.318315000	0.129086000	0.779498000
6	3.312546000	1.039763000	0.137529000
6	4.675554000	0.941479000	0.426860000
6	2.871370000	2.006553000	-0.771859000
6	5.589073000	1.792466000	-0.189693000
1	5.017273000	0.192674000	1.136660000
6	3.787649000	2.852941000	-1.389314000
1	1.807480000	2.084539000	-0.980597000
6	5.146379000	2.747955000	-1.100553000
1	6.646212000	1.708613000	0.041731000

1	3.437481000	3.598310000	-2.096334000
1	5.858334000	3.411059000	-1.581516000
6	3.175824000	-1.798490000	-0.628820000
1	3.733312000	-1.024212000	-1.153505000
1	3.896065000	-2.463290000	-0.138172000
1	2.641247000	-2.393534000	-1.375229000
79	-0.250956000	-1.404355000	-0.844613000
15	-1.534925000	-1.163387000	-2.694598000
1	-1.382322000	0.021188000	-3.416063000
1	-1.343992000	-2.128815000	-3.696233000
1	-2.915348000	-1.229029000	-2.501121000
51	-2.077300000	1.649233000	0.241310000
9	-3.866283000	1.790680000	0.810068000
9	-2.048009000	-0.188546000	0.804730000
9	-1.393358000	2.156472000	1.933681000
9	-0.275905000	1.384248000	-0.402165000
9	-2.036729000	3.422791000	-0.390862000
9	-2.637748000	1.008902000	-1.478307000
6	1.540622000	2.118574000	2.163473000
1	2.580247000	2.415060000	2.325946000
1	1.133442000	2.742660000	1.362860000
1	0.957698000	2.317519000	3.062563000
1	-0.211674000	0.284479000	3.062800000
B-TSa11			
6	-0.650941000	3.516128000	-2.879933000
6	-0.490650000	2.177657000	-2.533072000
6	-1.276570000	1.655957000	-1.508400000
6	-2.194300000	2.472559000	-0.829273000
6	-2.340186000	3.810939000	-1.157264000
6	-1.566494000	4.323076000	-2.200924000
1	-0.051535000	3.943058000	-3.677086000
1	0.234134000	1.544752000	-3.035924000
1	-3.035384000	4.450214000	-0.620991000
1	-1.671753000	5.365828000	-2.482845000
6	-1.297731000	0.287322000	-0.966221000
6	-2.246805000	0.257049000	0.035535000
6	-2.822250000	1.682945000	0.287354000
6	-2.186456000	1.950813000	1.654282000
6	-0.833633000	2.092285000	1.716130000
1	-0.227976000	2.362107000	0.849484000
1	-1.147673000	0.791176000	1.017209000
1	-0.304817000	2.029351000	2.659563000
79	0.043330000	-1.172086000	-1.440594000
15	1.707838000	-2.753454000	-1.897245000
1	2.179820000	-3.487295000	-0.803208000

1	1.476835000	-3.797433000	-2.809977000
1	2.913511000	-2.251454000	-2.403569000
6	-2.816743000	-0.928424000	0.723896000
6	-4.203716000	-1.125687000	0.725671000
6	-1.996273000	-1.859909000	1.370885000
6	-4.758629000	-2.239012000	1.347663000
1	-4.849432000	-0.415303000	0.216464000
6	-2.557534000	-2.972380000	1.992107000
1	-0.924727000	-1.687647000	1.409492000
6	-3.935909000	-3.166681000	1.982536000
1	-5.833965000	-2.384783000	1.331404000
1	-1.911432000	-3.683062000	2.497534000
1	-4.369142000	-4.033883000	2.470154000
51	2.404245000	0.451054000	1.153742000
9	1.493330000	1.379693000	-0.252569000
9	2.729614000	-1.008802000	-0.046457000
9	1.974795000	1.883878000	2.324906000
9	0.685338000	-0.322769000	1.558582000
9	4.045794000	1.234421000	0.667617000
9	3.165682000	-0.546354000	2.559964000
1	-3.912953000	1.736160000	0.338964000
6	-3.035214000	1.708504000	2.857415000
1	-2.449999000	1.716780000	3.777012000
1	-3.793631000	2.498491000	2.908486000
1	-3.567813000	0.756343000	2.763858000
B-TSc1			
6	3.465520000	-1.212270000	0.825315000
6	2.317646000	-1.761899000	0.231530000
6	1.973869000	-3.087198000	0.485078000
6	2.783990000	-3.840284000	1.333860000
6	3.922343000	-3.284848000	1.919613000
6	4.273791000	-1.955471000	1.668844000
6	3.573504000	0.224470000	0.396638000
6	2.333247000	0.407493000	-0.497576000
6	1.614318000	-0.750471000	-0.579903000
6	1.966850000	1.759377000	-0.918853000
6	0.634690000	2.207459000	-0.830016000
6	2.955963000	2.696903000	-1.290023000
6	0.310780000	3.522893000	-1.124062000
6	2.620155000	4.026353000	-1.582480000
6	1.300432000	4.441163000	-1.494521000
6	3.331434000	1.252887000	1.486213000
1	1.079723000	-3.511011000	0.037577000
1	2.525636000	-4.872461000	1.547672000
1	4.538475000	-3.889762000	2.576764000

1	5.160279000	-1.525043000	2.128599000
1	-0.135594000	1.526165000	-0.488550000
1	3.967867000	2.347825000	-1.481952000
1	-0.725094000	3.835622000	-1.037740000
1	3.394480000	4.719409000	-1.897248000
1	1.036233000	5.469995000	-1.715931000
79	-0.176683000	-1.043808000	-1.510824000
15	-2.319318000	-1.245117000	-2.449311000
1	-2.836811000	-0.110276000	-3.085861000
1	-2.586788000	-2.201769000	-3.446143000
1	-3.337997000	-1.531540000	-1.535023000
6	3.797679000	2.554571000	1.196008000
1	4.323646000	1.450325000	2.138655000
51	-2.474361000	0.383263000	1.266327000
9	-2.350502000	0.904950000	-0.589052000
9	-0.554362000	0.309211000	1.289353000
9	-2.366563000	2.211718000	1.737497000
9	-4.356849000	0.437247000	1.148634000
9	-2.475154000	-1.426479000	0.658271000
9	-2.513183000	-0.164511000	3.070630000
1	4.673971000	2.690459000	0.571822000
1	3.430812000	3.414371000	1.755039000
1	4.518454000	0.437125000	-0.121508000
6	2.146160000	1.091689000	2.411244000
1	1.218061000	1.271190000	1.861871000
1	2.102289000	0.072502000	2.797624000
1	2.207780000	1.791924000	3.246939000

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6	0.797512000	4.058001000	0.380285000
6	0.697736000	2.680826000	0.285940000
6	1.875369000	1.961687000	0.023741000
6	3.075691000	2.639729000	-0.295508000
6	3.161583000	4.037729000	-0.167594000
6	2.018938000	4.732888000	0.171142000
1	-0.087984000	4.634601000	0.626844000
1	-0.252342000	2.173020000	0.418435000
1	4.092142000	4.553519000	-0.380757000
1	2.048495000	5.814225000	0.253751000
6	4.053231000	1.700095000	-0.729043000
6	3.561221000	0.501565000	-1.260333000
6	4.491088000	-0.692184000	-1.261848000
1	4.987307000	-0.822837000	-0.298033000
1	3.946300000	-1.608161000	-1.497696000
1	5.256242000	-0.550788000	-2.034361000
6	2.041509000	0.534122000	0.011904000

6	1.564797000	-0.597047000	0.423485000
6	1.742295000	-1.983259000	-0.047771000
6	2.634964000	-2.854645000	0.585065000
6	0.965449000	-2.440125000	-1.121652000
6	2.791952000	-4.153579000	0.111828000
1	3.211650000	-2.503473000	1.435863000
6	1.125105000	-3.743569000	-1.580056000
1	0.233637000	-1.774719000	-1.569037000
6	2.042208000	-4.599794000	-0.974344000
1	3.497404000	-4.820516000	0.597476000
1	0.521468000	-4.089858000	-2.412643000
1	2.162410000	-5.614776000	-1.338560000
79	-0.059813000	-0.358686000	1.748579000
15	-2.098126000	-0.136294000	2.823730000
1	-2.565088000	1.162128000	3.056857000
1	-3.151025000	-0.682517000	2.082007000
1	-2.326975000	-0.708807000	4.087047000
51	-2.356533000	0.173901000	-1.240730000
9	-2.265623000	1.246053000	0.371027000
9	-1.939262000	-1.336704000	-0.135556000
9	-0.472060000	0.471990000	-1.420019000
9	-2.708720000	1.719969000	-2.259046000
9	-2.315548000	-0.943170000	-2.761434000
9	-4.187903000	-0.121483000	-0.897434000
6	2.610166000	0.504205000	-2.469198000
1	3.244661000	0.464187000	-3.362123000
1	1.969832000	-0.377725000	-2.466843000
1	1.978406000	1.390290000	-2.511253000
1	5.110905000	1.824068000	-0.497539000

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6	1.685678000	-1.153982000	-3.961839000
6	1.411202000	-1.572634000	-2.666585000
6	2.317263000	-1.283623000	-1.633362000
6	3.503875000	-0.564967000	-1.885615000
6	3.756157000	-0.169521000	-3.201229000
6	2.863747000	-0.460294000	-4.229782000
1	0.979656000	-1.372756000	-4.755554000
1	0.502016000	-2.114941000	-2.429854000
1	4.663384000	0.390189000	-3.405958000
1	3.086535000	-0.135501000	-5.241748000
6	4.471875000	-0.209073000	-0.807979000
6	5.742523000	-0.615056000	-0.926617000
6	6.869995000	-0.357109000	0.026408000
1	6.567523000	0.236721000	0.889860000
1	7.276496000	-1.303492000	0.398229000

1	7.692132000	0.162747000	-0.476790000
6	1.983753000	-1.754196000	-0.311341000
6	1.631297000	-2.259023000	0.750994000
6	1.290000000	-2.978670000	1.950985000
6	-0.018489000	-3.454441000	2.122252000
6	2.263157000	-3.200697000	2.934082000
6	-0.337371000	-4.154388000	3.279390000
1	-0.757144000	-3.266423000	1.350150000
6	1.927773000	-3.902889000	4.084781000
1	3.270657000	-2.826832000	2.782505000
6	0.629542000	-4.379831000	4.257505000
1	-1.347333000	-4.526019000	3.414763000
1	2.679962000	-4.078754000	4.846587000
1	0.371054000	-4.928879000	5.157168000
79	0.469891000	-0.185475000	0.591709000
15	-0.468449000	1.897020000	0.509229000
51	-2.467415000	-1.715394000	-1.043122000
9	-1.350810000	-0.247818000	-1.606494000
9	-2.164916000	-1.177047000	0.776808000
9	-0.849298000	-2.732681000	-0.842678000
9	-2.574797000	-2.268188000	-2.844258000
9	-3.481111000	-3.183946000	-0.431888000
9	-3.980846000	-0.596707000	-1.165341000
1	5.993574000	-1.219082000	-1.797889000
6	3.954179000	0.647086000	0.326403000
1	3.168101000	1.318881000	-0.036190000
1	3.522489000	0.040361000	1.130585000
1	4.748057000	1.260655000	0.756491000
6	-0.120306000	2.907158000	1.988661000
6	-0.984759000	3.921463000	2.410988000
6	1.073274000	2.680275000	2.680550000
6	-0.650473000	4.702340000	3.514787000
1	-1.918967000	4.091483000	1.883315000
6	1.405079000	3.465625000	3.779268000
1	1.736532000	1.881002000	2.357169000
6	0.542237000	4.476088000	4.197216000
1	-1.325753000	5.485241000	3.844158000
1	2.331253000	3.282390000	4.313836000
1	0.796678000	5.083085000	5.060051000
6	-2.262008000	1.994574000	0.252214000
6	-2.801078000	2.510948000	-0.926269000
6	-3.104451000	1.512779000	1.259578000
6	-4.182503000	2.556889000	-1.089192000
1	-2.146595000	2.862512000	-1.717410000
6	-4.481351000	1.567942000	1.091344000

1	-2.683086000	1.081638000	2.163351000
6	-5.020170000	2.090498000	-0.082450000
1	-4.600891000	2.947491000	-2.010654000
1	-5.134328000	1.184677000	1.868015000
1	-6.096387000	2.116305000	-0.218363000
6	0.324184000	2.792422000	-0.874366000
6	0.625943000	4.153700000	-0.777610000
6	0.643421000	2.086659000	-2.042234000
6	1.245962000	4.804395000	-1.841022000
1	0.388175000	4.703239000	0.128334000
6	1.261476000	2.746014000	-3.100329000
1	0.388286000	1.033475000	-2.131414000
6	1.565842000	4.101840000	-2.999679000
1	1.483159000	5.860236000	-1.760157000
1	1.510385000	2.189089000	-3.997741000
1	2.055047000	4.611253000	-3.823855000

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6	-4.380594000	-0.079236000	-4.158689000
6	-3.940834000	-1.078358000	-2.012428000
6	-2.609104000	-0.624246000	-2.080276000
6	-2.178779000	0.107513000	-3.183566000
1	-5.068498000	0.132111000	-4.970823000
1	-1.155792000	0.467500000	-3.213457000
6	-4.336702000	-1.802142000	-0.775910000
6	-4.418475000	-1.051624000	0.365027000
6	-1.766506000	-1.009521000	-0.948225000
6	-2.258839000	-1.568555000	0.111637000
6	-1.989023000	-2.123796000	1.421221000
6	-1.487701000	-1.283177000	2.427208000
6	-2.199299000	-3.484612000	1.682315000
6	-1.190616000	-1.816207000	3.676674000
1	-1.330340000	-0.232631000	2.204964000
6	-1.916585000	-4.001128000	2.940506000
1	-2.569439000	-4.128618000	0.890336000
6	-1.411075000	-3.167193000	3.937298000
1	-0.796960000	-1.167616000	4.452498000
1	-2.078213000	-5.054953000	3.141809000
1	-1.185985000	-3.574185000	4.918065000
79	0.292897000	-0.621978000	-0.700203000
15	2.541190000	-0.298634000	-0.326173000
6	-4.914532000	-1.487723000	1.704204000
1	-4.297233000	-1.040949000	2.488355000
51	-1.399992000	2.661002000	0.741094000
9	-1.710666000	3.304134000	2.487008000
9	-2.811748000	3.679793000	0.017359000

9	-0.136325000	4.029368000	0.391286000
9	-1.012775000	1.932885000	-0.992791000
9	-2.607058000	1.207545000	1.060194000
9	-0.007639000	1.517401000	1.426099000
1	-4.925974000	-2.570417000	1.837165000
1	-5.933366000	-1.106516000	1.836130000
6	-4.718691000	-3.247761000	-0.908889000
1	-4.898500000	-3.728109000	0.053628000
1	-5.637346000	-3.320004000	-1.502739000
1	-3.942894000	-3.795008000	-1.451886000
1	-4.197290000	0.010384000	0.272777000
6	3.030038000	-1.021484000	1.281944000
6	4.111340000	-1.891397000	1.429226000
6	2.272386000	-0.646255000	2.399357000
6	4.434228000	-2.387767000	2.690915000
1	4.698890000	-2.185208000	0.564259000
6	2.607612000	-1.140706000	3.654454000
1	1.435883000	0.041118000	2.281171000
6	3.684369000	-2.013762000	3.801564000
1	5.273114000	-3.067198000	2.802839000
1	2.025919000	-0.843780000	4.521225000
1	3.938933000	-2.401243000	4.782999000
6	3.591322000	-1.141867000	-1.562312000
6	4.654009000	-0.513637000	-2.213785000
6	3.288716000	-2.476613000	-1.863143000
6	5.409439000	-1.216481000	-3.151207000
1	4.887185000	0.524233000	-1.999347000
1	2.449733000	-2.962727000	-1.370091000
6	5.114309000	-2.545410000	-3.435813000
1	6.229417000	-0.719712000	-3.659453000
1	5.704581000	-3.089316000	-4.166237000
6	3.107658000	1.423592000	-0.222646000
6	2.235242000	2.456030000	-0.567350000
6	4.390034000	1.715915000	0.262703000
6	2.651659000	3.781092000	-0.443417000
1	1.225330000	2.238754000	-0.904278000
6	4.804399000	3.036732000	0.365587000
1	5.052722000	0.909650000	0.569379000
6	3.932940000	4.068410000	0.010842000
1	1.948136000	4.573366000	-0.669434000
1	5.797794000	3.264381000	0.738700000
1	4.252614000	5.100922000	0.110902000
6	-4.821446000	-0.806702000	-3.052870000
1	-5.851321000	-1.147972000	-2.998929000
6	-3.068296000	0.380560000	-4.219539000

1	-2.735548000	0.954131000	-5.078072000
6	4.052382000	-3.176640000	-2.788924000
1	3.813362000	-4.210904000	-3.014152000
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6	-4.113498000	1.307264000	1.318830000
6	-2.916653000	0.767933000	1.847361000
6	-2.910461000	0.058415000	3.055173000
6	-4.103060000	-0.071651000	3.747699000
6	-5.283640000	0.474952000	3.223237000
6	-5.310637000	1.149363000	2.001768000
6	-3.837047000	1.900344000	-0.020131000
6	-2.337189000	1.748838000	-0.182409000
6	-1.818960000	1.004322000	0.957866000
6	-1.433527000	2.667109000	-0.945751000
6	-0.493683000	2.167965000	-1.856979000
6	-1.448270000	4.033720000	-0.659399000
6	0.412936000	3.030470000	-2.467251000
6	-0.539931000	4.895063000	-1.272204000
6	0.392890000	4.394350000	-2.176492000
6	-3.347993000	0.806202000	-0.947632000
1	-1.981821000	-0.369104000	3.421008000
1	-4.134193000	-0.602917000	4.692303000
1	-6.207273000	0.364379000	3.783887000
1	-6.242303000	1.544295000	1.609291000
1	-0.467172000	1.102947000	-2.068987000
1	-2.164393000	4.419614000	0.061006000
1	1.140963000	2.627310000	-3.164558000
1	-0.559510000	5.954823000	-1.037986000
1	1.102590000	5.064040000	-2.652368000
79	0.117050000	0.396249000	0.919074000
15	2.383844000	0.058857000	0.424421000
51	-1.441620000	-2.597652000	-0.866608000
9	-2.970014000	-2.429404000	-1.973569000
9	-2.423358000	-1.782697000	0.558502000
9	-1.927635000	-4.318036000	-0.272364000
9	-0.372922000	-3.314583000	-2.260985000
9	-0.948767000	-0.838022000	-1.472053000
9	0.101278000	-2.557074000	0.273862000
6	-4.643172000	3.064238000	-0.539303000
1	-4.671492000	3.873443000	0.195759000
1	-4.216063000	3.458754000	-1.463152000
1	-5.671991000	2.753208000	-0.746010000
1	-3.398770000	-0.203026000	-0.551675000
6	-3.432421000	0.885246000	-2.443675000
1	-2.712393000	0.181467000	-2.867093000

1	-4.431929000	0.569389000	-2.760088000
1	-3.235229000	1.885904000	-2.832195000
6	2.588249000	-0.203301000	-1.373633000
6	3.257664000	0.706239000	-2.196230000
6	1.977809000	-1.332572000	-1.931531000
6	3.309471000	0.484035000	-3.571517000
1	3.730208000	1.587189000	-1.772369000
6	2.021749000	-1.540287000	-3.304885000
1	1.463806000	-2.048025000	-1.299528000
6	2.686643000	-0.631452000	-4.125773000
1	3.835041000	1.188598000	-4.208856000
1	1.513547000	-2.405417000	-3.716502000
1	2.718124000	-0.790971000	-5.199060000
6	3.334840000	1.579310000	0.774831000
6	4.641095000	1.560425000	1.265829000
6	2.716875000	2.804594000	0.489617000
6	5.324692000	2.757483000	1.469828000
1	5.122948000	0.614570000	1.494972000
6	3.410201000	3.994682000	0.679733000
1	1.696041000	2.826712000	0.110096000
6	4.713173000	3.972248000	1.174108000
1	6.337468000	2.738097000	1.859079000
1	2.925571000	4.938136000	0.449271000
1	5.249465000	4.902466000	1.332514000
6	3.264606000	-1.319094000	1.217855000
6	4.424986000	-1.861512000	0.655401000
6	2.754165000	-1.844999000	2.406486000
6	5.078760000	-2.910271000	1.293355000
1	4.802915000	-1.470695000	-0.285963000
6	3.411584000	-2.894755000	3.041243000
1	1.833420000	-1.442266000	2.819878000
6	4.572541000	-3.424991000	2.486016000
1	5.976562000	-3.333608000	0.855150000
1	3.008687000	-3.307026000	3.960181000
1	5.079229000	-4.249791000	2.976659000

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6	-3.064254000	-0.058824000	4.159165000
6	-2.105489000	0.215059000	3.186488000
6	-2.501635000	0.855355000	2.013956000
6	-3.845212000	1.204292000	1.831613000
6	-4.806641000	0.928307000	2.791049000
6	-4.401587000	0.295055000	3.968546000
1	-2.770987000	-0.555891000	5.078386000
1	-1.065659000	-0.066001000	3.326029000
1	-5.850775000	1.192084000	2.639990000

1	-5.131986000	0.077163000	4.741082000
6	-1.698280000	1.265938000	0.848956000
6	-2.524803000	1.871022000	-0.047537000
6	-4.007781000	1.811179000	0.462584000
6	-4.560639000	0.839049000	-0.510013000
6	-4.754159000	-0.521845000	-0.326097000
79	0.290127000	0.817059000	0.617921000
15	2.531637000	0.245587000	0.321967000
6	-2.130537000	2.416036000	-1.368766000
6	-2.519030000	3.695472000	-1.792172000
6	-1.297295000	1.665086000	-2.215096000
6	-2.101678000	4.202540000	-3.019699000
1	-3.111683000	4.324274000	-1.137317000
6	-0.871718000	2.179612000	-3.434637000
1	-0.996908000	0.667198000	-1.914154000
6	-1.277160000	3.446319000	-3.847197000
1	-2.407684000	5.199943000	-3.319698000
1	-0.222041000	1.581627000	-4.066277000
1	-0.946274000	3.843844000	-4.801316000
1	-3.583899000	-0.663182000	-0.749961000
51	-1.409711000	-2.601311000	-0.785528000
9	-3.129829000	-3.235500000	-0.316775000
9	-1.598946000	-3.258879000	-2.538282000
9	0.153125000	-1.649406000	-1.316636000
9	-2.387040000	-0.975762000	-1.360800000
9	-0.472792000	-4.124103000	-0.193503000
9	-1.278419000	-1.815637000	0.939867000
1	-5.284426000	-1.076577000	-1.095719000
1	-4.754621000	-0.933818000	0.679183000
1	-4.695163000	1.237448000	-1.519639000
6	-4.814697000	3.117034000	0.448924000
1	-4.265506000	3.881743000	1.002503000
1	-4.995349000	3.472395000	-0.567823000
1	-5.782614000	2.964968000	0.935009000
6	3.634947000	1.082022000	1.518616000
6	3.405597000	2.443645000	1.755403000
6	4.676177000	0.434071000	2.186301000
6	4.219280000	3.149359000	2.633829000
1	2.582998000	2.946351000	1.251557000
6	5.481899000	1.142971000	3.075489000
1	4.853774000	-0.623849000	2.021835000
6	5.258766000	2.498283000	3.296407000
1	4.035644000	4.204236000	2.809726000
1	6.285007000	0.631401000	3.596072000
1	5.888485000	3.047495000	3.989051000

6	3.178858000	0.744494000	-1.317060000
6	4.353729000	1.480773000	-1.478385000
6	2.448496000	0.339771000	-2.442106000
6	4.795841000	1.812751000	-2.757949000
1	4.923687000	1.796950000	-0.609541000
6	2.901524000	0.667657000	-3.714915000
1	1.540091000	-0.245475000	-2.315303000
6	4.072127000	1.407457000	-3.874649000
1	5.709053000	2.386787000	-2.878741000
1	2.339191000	0.343807000	-4.585212000
1	4.419367000	1.666506000	-4.869809000
6	2.922866000	-1.530597000	0.415824000
6	1.976680000	-2.414186000	0.939497000
6	4.146933000	-2.017710000	-0.059472000
6	2.262146000	-3.776369000	1.005216000
1	1.007578000	-2.046355000	1.268078000
6	4.431879000	-3.375347000	0.021064000
1	4.867649000	-1.333040000	-0.500612000
6	3.488679000	-4.253387000	0.555182000
1	1.508763000	-4.459842000	1.379028000
1	5.381055000	-3.751491000	-0.346801000
1	3.706082000	-5.315772000	0.602078000

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6	2.688494000	4.258948000	-2.220746000
6	1.856857000	3.353549000	-1.564706000
6	2.413948000	2.501571000	-0.615781000
6	3.783281000	2.552996000	-0.327883000
6	4.614544000	3.448264000	-0.984650000
6	4.054553000	4.304124000	-1.935219000
1	2.274581000	4.933596000	-2.963306000
1	0.792635000	3.307546000	-1.780599000
1	5.679872000	3.475882000	-0.771474000
1	4.688189000	5.011960000	-2.460322000
6	1.756126000	1.465693000	0.217686000
6	2.741400000	0.895489000	0.986365000
6	4.114677000	1.558273000	0.760305000
6	5.192454000	0.558877000	0.390159000
6	5.608560000	0.285897000	-0.843159000
79	-0.256499000	0.998434000	0.176652000
15	-2.531514000	0.485668000	0.078706000
6	2.531465000	-0.142965000	2.023373000
6	1.634884000	0.097701000	3.070212000
6	3.176188000	-1.382026000	1.947091000
6	1.391594000	-0.882361000	4.026593000
1	1.133320000	1.060360000	3.122657000

6	2.915891000	-2.366804000	2.893404000
1	3.830684000	-1.599876000	1.109362000
6	2.030478000	-2.116817000	3.937985000
1	0.696213000	-0.685710000	4.836411000
1	3.391589000	-3.337275000	2.798167000
1	1.829708000	-2.886669000	4.676197000
1	2.289482000	0.037326000	-0.363207000
51	1.136719000	-2.448887000	-1.113888000
9	1.921004000	-2.771264000	-2.786507000
9	2.522731000	-3.389338000	-0.256948000
9	0.521941000	-1.842003000	0.566518000
9	2.408884000	-0.817877000	-1.049923000
9	-0.058995000	-3.900911000	-1.185945000
9	-0.096488000	-1.257045000	-1.930899000
1	6.372954000	-0.463523000	-1.018600000
1	5.198070000	0.792474000	-1.711674000
6	4.513057000	2.285101000	2.060494000
1	4.641711000	1.561853000	2.871510000
1	5.454533000	2.821931000	1.914460000
1	3.739992000	3.002463000	2.349029000
1	5.628379000	0.024584000	1.233903000
6	-3.579937000	1.645190000	1.025410000
6	-4.930912000	1.840269000	0.722615000
6	-3.013447000	2.310496000	2.116811000
6	-5.704118000	2.690591000	1.506665000
1	-5.375327000	1.335299000	-0.130220000
6	-3.792188000	3.154931000	2.903724000
1	-1.959708000	2.167101000	2.344187000
6	-5.136793000	3.345229000	2.598217000
1	-6.750710000	2.844122000	1.264550000
1	-3.345533000	3.667887000	3.749083000
1	-5.743273000	4.007751000	3.207387000
6	-3.204021000	0.486954000	-1.617126000
6	-4.293717000	-0.311946000	-1.979212000
6	-2.616722000	1.327793000	-2.566349000
6	-4.799827000	-0.252371000	-3.274006000
1	-4.733422000	-0.990231000	-1.252960000
6	-3.127313000	1.386110000	-3.859225000
1	-1.750212000	1.924061000	-2.291776000
6	-4.219265000	0.597783000	-4.212450000
1	-5.643176000	-0.875887000	-3.552157000
1	-2.664794000	2.037333000	-4.593417000
1	-4.611976000	0.637729000	-5.223372000
6	-2.954857000	-1.163806000	0.735124000
6	-3.727524000	-1.338854000	1.884154000

6	-2.424046000	-2.277412000	0.074237000
6	-3.965877000	-2.624491000	2.366581000
1	-4.141785000	-0.480083000	2.403955000
6	-2.660907000	-3.555880000	0.562547000
1	-1.833401000	-2.142818000	-0.826642000
6	-3.432562000	-3.729486000	1.710444000
1	-4.567399000	-2.758692000	3.260057000
1	-2.222174000	-4.404665000	0.049748000
1	-3.613724000	-4.727652000	2.096460000

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6	-3.146637000	0.033205000	4.092867000
6	-2.268580000	0.166386000	3.011381000
6	-2.655980000	0.861746000	1.875700000
6	-3.944473000	1.443351000	1.853488000
6	-4.801034000	1.355696000	2.947332000
6	-4.402510000	0.625909000	4.068689000
1	-2.832106000	-0.525433000	4.968259000
1	-1.278011000	-0.274958000	3.041141000
1	-5.787211000	1.810280000	2.910710000
1	-5.071316000	0.532272000	4.917089000
6	-1.776393000	1.133033000	0.715442000
6	-2.351054000	1.590606000	-0.394477000
6	-4.317438000	2.118598000	0.617621000
6	-4.036088000	1.441407000	-0.591257000
6	-4.576488000	2.005554000	-1.888098000
1	-4.206556000	1.425476000	-2.733491000
1	-5.669587000	1.944445000	-1.884589000
1	-4.281095000	3.046652000	-2.042914000
79	0.243244000	0.659194000	0.646309000
15	2.501615000	0.225411000	0.385804000
6	-1.716104000	1.972017000	-1.676445000
6	-1.274291000	3.280751000	-1.889704000
6	-1.542201000	1.006389000	-2.676777000
6	-0.655034000	3.624088000	-3.088405000
1	-1.397540000	4.017876000	-1.101004000
6	-0.927385000	1.357502000	-3.873931000
1	-1.870520000	-0.010433000	-2.487203000
6	-0.486245000	2.663790000	-4.082644000
1	-0.299819000	4.637755000	-3.243434000
1	-0.786190000	0.603511000	-4.642481000
1	-0.002298000	2.931718000	-5.016915000
1	-4.088193000	0.350639000	-0.520862000
6	-4.889406000	3.489321000	0.643542000
1	-5.108612000	3.817055000	1.659319000
1	-4.145513000	4.172839000	0.213099000

1	-5.778035000	3.555863000	0.008056000
51	-1.588207000	-2.662066000	-0.591922000
9	-2.976969000	-3.686259000	0.173163000
9	-1.167801000	-1.925294000	1.128226000
9	-1.963306000	-3.298900000	-2.329134000
9	-2.833939000	-1.229066000	-0.885717000
9	-0.326429000	-4.041047000	-0.273557000
9	-0.214443000	-1.536174000	-1.319993000
6	3.567661000	1.056450000	1.618896000
6	3.363364000	2.427146000	1.825598000
6	4.545798000	0.388947000	2.357232000
6	4.141182000	3.121598000	2.743540000
1	2.589002000	2.945275000	1.264212000
6	5.316932000	1.087754000	3.285245000
1	4.703815000	-0.675112000	2.214153000
6	5.120124000	2.450963000	3.476040000
1	3.978560000	4.183840000	2.894828000
1	6.073392000	0.561121000	3.858054000
1	5.723119000	2.991972000	4.198261000
6	3.068514000	0.885561000	-1.223630000
6	2.242509000	0.656218000	-2.330285000
6	4.280630000	1.561055000	-1.383140000
6	2.640539000	1.094819000	-3.589004000
1	1.298820000	0.126337000	-2.204252000
6	4.667607000	2.002334000	-2.646251000
1	4.918328000	1.748191000	-0.523477000
6	3.849700000	1.768554000	-3.748073000
1	1.997835000	0.912787000	-4.444437000
1	5.609466000	2.527836000	-2.768067000
1	4.154825000	2.112505000	-4.731385000
6	3.010034000	-1.520409000	0.345664000
6	2.082112000	-2.509679000	0.671161000
6	4.300504000	-1.875402000	-0.071475000
6	2.449595000	-3.853014000	0.594505000
1	1.069580000	-2.243739000	0.961753000
6	4.665214000	-3.213391000	-0.128669000
1	5.010647000	-1.103813000	-0.360673000
6	3.737142000	-4.201580000	0.205521000
1	1.704936000	-4.611007000	0.805614000
1	5.664912000	-3.488703000	-0.449138000
1	4.018486000	-5.248168000	0.142288000
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6	-1.669907000	4.762482000	1.296576000
6	-0.944269000	3.850016000	0.568906000
6	-1.577602000	2.849979000	-0.206919000

6	-3.017446000	2.843048000	-0.216618000
6	-3.741245000	3.781465000	0.581487000
6	-3.085355000	4.728127000	1.316473000
1	-1.149732000	5.517444000	1.878664000
1	0.141022000	3.868079000	0.581942000
1	-4.824266000	3.741864000	0.596413000
1	-3.638047000	5.444841000	1.913170000
6	-3.675753000	1.865977000	-0.968063000
6	-2.910526000	1.047906000	-1.921213000
6	-0.780494000	1.848273000	-0.876625000
6	-1.437825000	0.980347000	-1.703368000
6	-0.736404000	-0.105400000	-2.426710000
6	0.433570000	0.154270000	-3.159002000
6	-1.208369000	-1.422164000	-2.343164000
6	1.128638000	-0.882761000	-3.770723000
1	0.782214000	1.180035000	-3.246688000
6	-0.496689000	-2.457601000	-2.943827000
1	-2.092954000	-1.652885000	-1.758585000
6	0.671591000	-2.195002000	-3.651941000
1	2.026046000	-0.668093000	-4.343693000
1	-0.853252000	-3.477110000	-2.837758000
1	1.224180000	-3.007377000	-4.113065000
6	-3.175815000	1.653216000	-3.341554000
1	-4.242917000	1.668887000	-3.571569000
1	-2.775031000	2.667738000	-3.402020000
1	-2.664531000	1.024073000	-4.072957000
6	-5.131980000	1.593175000	-0.879156000
1	-5.273079000	0.977148000	0.023518000
1	-5.743127000	2.491658000	-0.783742000
1	-5.474152000	0.993209000	-1.723555000
79	1.101041000	1.251567000	-0.252693000
15	2.917195000	-0.034061000	0.401335000
51	-3.626767000	-1.585808000	1.013630000
9	-4.619534000	-3.171602000	1.232136000
9	-5.129767000	-0.507671000	1.476942000
9	-4.194128000	-1.482134000	-0.820786000
9	-2.653888000	0.028830000	0.672857000
9	-2.090176000	-2.558740000	0.427353000
9	-3.018378000	-1.606414000	2.797450000
1	-3.343339000	0.040075000	-1.921682000
6	3.419321000	0.063742000	2.152603000
6	3.458491000	1.326471000	2.752517000
6	3.781488000	-1.066468000	2.889786000
6	3.868773000	1.459409000	4.074586000
1	3.159433000	2.202377000	2.181578000

6	4.184613000	-0.929166000	4.215757000
1	3.736764000	-2.050591000	2.432324000
6	4.230392000	0.330421000	4.806716000
1	3.896190000	2.440873000	4.536483000
1	4.456856000	-1.809369000	4.788815000
1	4.540595000	0.432230000	5.841683000
6	4.460538000	0.233521000	-0.540678000
6	5.724261000	0.203643000	0.052287000
6	4.345262000	0.458583000	-1.917117000
6	6.862634000	0.394536000	-0.728354000
1	5.820542000	0.035715000	1.121163000
6	5.483986000	0.642267000	-2.692519000
1	3.358107000	0.485410000	-2.374249000
6	6.744157000	0.612831000	-2.097584000
1	7.842989000	0.373655000	-0.263314000
1	5.388754000	0.815832000	-3.759568000
1	7.633169000	0.764131000	-2.701528000
6	2.482043000	-1.780595000	0.094587000
6	1.144182000	-2.173839000	0.214989000
6	3.458892000	-2.726181000	-0.239314000
6	0.790360000	-3.507619000	0.023559000
1	0.360668000	-1.454243000	0.444228000
6	3.098673000	-4.055111000	-0.435250000
1	4.495880000	-2.420272000	-0.350940000
6	1.766785000	-4.444760000	-0.299916000
1	-0.253523000	-3.785469000	0.121290000
1	3.857978000	-4.785932000	-0.695431000
1	1.490545000	-5.483299000	-0.454169000

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6	-3.127356000	-1.485523000	-4.188054000
6	-2.151820000	-1.413519000	-3.199460000
6	-2.537362000	-1.551870000	-1.865200000
6	-3.889106000	-1.739464000	-1.533525000
6	-4.866596000	-1.793249000	-2.517083000
6	-4.471013000	-1.677786000	-3.850474000
1	-2.848507000	-1.387027000	-5.232004000
1	-1.106281000	-1.250801000	-3.444851000
1	-5.915661000	-1.921408000	-2.264216000
1	-5.216722000	-1.733792000	-4.637305000
6	-1.705318000	-1.512953000	-0.659370000
6	-2.550364000	-1.702989000	0.421506000
6	-4.043232000	-1.709604000	-0.037722000
6	-4.279350000	-0.255367000	0.404887000
6	-4.341749000	0.824071000	-0.422506000
1	-4.340568000	0.716017000	-1.502548000

1	-2.923377000	-0.130498000	0.235427000
1	-4.287455000	1.827190000	-0.011820000
79	0.282953000	-1.022343000	-0.556673000
15	2.508516000	-0.370189000	-0.300091000
6	-2.133855000	-1.890636000	1.834640000
6	-2.514008000	-3.043520000	2.534045000
6	-1.308979000	-0.954454000	2.471764000
6	-2.089232000	-3.251413000	3.842517000
1	-3.117933000	-3.798128000	2.040815000
6	-0.892954000	-1.163237000	3.783248000
1	-1.006996000	-0.052557000	1.949409000
6	-1.282103000	-2.308205000	4.473323000
1	-2.384529000	-4.154815000	4.366635000
1	-0.266255000	-0.417032000	4.261287000
1	-0.958719000	-2.466371000	5.497451000
51	-1.386156000	2.746976000	0.374445000
9	-1.748593000	1.403830000	-0.953702000
9	0.149648000	1.716226000	0.873278000
9	-2.985658000	3.620492000	-0.157740000
9	-2.429782000	1.685926000	1.579391000
9	-0.351242000	3.691276000	-0.902534000
9	-1.033311000	4.014107000	1.720634000
6	-5.038565000	-2.691238000	0.560321000
1	-6.035766000	-2.501276000	0.152252000
1	-4.760654000	-3.719325000	0.315649000
1	-5.091636000	-2.586560000	1.646495000
1	-4.336111000	-0.093573000	1.482002000
6	3.757970000	-1.674276000	-0.582105000
6	4.963936000	-1.690968000	0.125955000
6	3.511030000	-2.653395000	-1.549154000
6	5.914433000	-2.672008000	-0.138614000
1	5.153614000	-0.939745000	0.887638000
6	4.465104000	-3.632213000	-1.812237000
1	2.566781000	-2.650496000	-2.088213000
6	5.666198000	-3.641680000	-1.107547000
1	6.847025000	-2.681980000	0.416103000
1	4.267596000	-4.391397000	-2.561938000
1	6.407008000	-4.409177000	-1.307857000
6	2.827187000	0.163569000	1.416858000
6	3.513664000	1.339596000	1.721142000
6	2.373703000	-0.665872000	2.447820000
6	3.756457000	1.675479000	3.051285000
1	3.848464000	1.996515000	0.923803000
6	2.630640000	-0.332264000	3.772834000
1	1.810560000	-1.567215000	2.213446000

6	3.322079000	0.839513000	4.075427000
1	4.282917000	2.594826000	3.285456000
1	2.281265000	-0.984040000	4.567764000
1	3.514895000	1.103889000	5.110250000
6	3.027018000	1.025456000	-1.350930000
6	4.315308000	1.136715000	-1.882670000
6	2.089915000	2.038679000	-1.573027000
6	4.657489000	2.262792000	-2.627143000
1	5.046276000	0.349874000	-1.721594000
6	2.442255000	3.168586000	-2.303143000
1	1.092499000	1.960853000	-1.159601000
6	3.725447000	3.278386000	-2.833337000
1	5.655474000	2.347444000	-3.045317000
1	1.702784000	3.949482000	-2.442794000
1	4.002174000	4.155759000	-3.409514000

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6	3.616155000	0.966399000	-2.173072000
6	2.229777000	0.973430000	-2.389903000
6	1.711891000	0.473967000	-3.580012000
6	2.594265000	-0.004507000	-4.548597000
6	3.971592000	0.004064000	-4.329324000
6	4.496699000	0.484813000	-3.126314000
6	3.882851000	1.483853000	-0.779972000
6	2.476175000	1.974241000	-0.352840000
6	1.524194000	1.537647000	-1.218367000
6	2.342679000	2.490472000	1.020438000
6	1.808660000	1.674429000	2.038401000
6	2.882867000	3.737868000	1.376187000
6	1.813426000	2.110555000	3.370398000
6	2.881725000	4.162515000	2.697781000
6	2.355150000	3.343937000	3.702234000
6	3.894145000	0.297424000	0.176457000
1	0.637657000	0.462538000	-3.742910000
1	2.206392000	-0.390782000	-5.485829000
1	4.641466000	-0.371547000	-5.095980000
1	5.569974000	0.475165000	-2.952477000
1	1.338755000	0.726517000	1.781608000
1	3.287901000	4.377523000	0.597430000
1	1.383762000	1.471718000	4.135885000
1	3.289251000	5.136174000	2.951853000
1	2.360988000	3.680127000	4.734125000
79	-0.448905000	1.212945000	-0.804040000
15	-2.543366000	0.409498000	-0.168220000
6	4.064941000	0.464104000	1.563664000
1	4.972786000	-0.143306000	0.467890000

51	1.227732000	-2.689702000	0.787727000
9	0.481588000	-1.010204000	1.316051000
9	2.901322000	-2.087793000	1.527966000
9	0.739981000	-3.425993000	2.458047000
9	-0.422717000	-3.207021000	0.006507000
9	1.735389000	-1.812697000	-0.836853000
9	2.059865000	-4.287849000	0.233644000
6	5.065798000	2.432400000	-0.650996000
1	5.993460000	1.935211000	-0.954162000
1	4.914295000	3.293191000	-1.306370000
1	5.191372000	2.805995000	0.369454000
1	4.619301000	1.312171000	1.960332000
1	3.796284000	-0.368495000	2.210921000
1	3.300223000	-0.568332000	-0.123548000
6	-3.935585000	1.577953000	-0.015455000
6	-4.953540000	1.381953000	0.923256000
6	-3.994704000	2.671587000	-0.884037000
6	-6.022567000	2.270741000	0.985916000
1	-4.901300000	0.538357000	1.606033000
6	-5.067977000	3.555476000	-0.821373000
1	-3.194924000	2.829640000	-1.603406000
6	-6.080844000	3.355409000	0.113491000
1	-6.808865000	2.117580000	1.717918000
1	-5.108820000	4.404069000	-1.496277000
1	-6.914190000	4.048723000	0.166303000
6	-2.378805000	-0.362837000	1.475687000
6	-2.395479000	-1.746518000	1.641887000
6	-2.047187000	0.468111000	2.552321000
6	-2.054348000	-2.298719000	2.874434000
1	-2.616461000	-2.398827000	0.804409000
6	-1.740430000	-0.087664000	3.787557000
1	-2.014565000	1.547412000	2.416753000
6	-1.729611000	-1.473403000	3.944631000
1	-2.013865000	-3.376529000	2.985135000
1	-1.491165000	0.558817000	4.623585000
1	-1.454553000	-1.909535000	4.899603000
6	-3.124433000	-0.906246000	-1.287663000
6	-2.160319000	-1.764942000	-1.828946000
6	-4.476039000	-1.095008000	-1.587132000
6	-2.554419000	-2.819107000	-2.646740000
1	-1.109535000	-1.637618000	-1.581845000
6	-4.860225000	-2.139124000	-2.423387000
1	-5.225132000	-0.425715000	-1.174483000
6	-3.901426000	-3.001780000	-2.949771000
1	-1.804713000	-3.496040000	-3.042003000

1	-5.909755000	-2.281219000	-2.660236000
1	-4.205522000	-3.820232000	-3.594639000
B-1-Ph			
6	2.027866000	-1.076774000	-3.851985000
6	1.542791000	-1.585186000	-2.653765000
6	2.302568000	-1.441248000	-1.484376000
6	3.549949000	-0.779685000	-1.494504000
6	4.000456000	-0.265316000	-2.714046000
6	3.256609000	-0.418309000	-3.879678000
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1	0.577823000	-2.076444000	-2.591559000
1	4.933408000	0.288665000	-2.734049000
1	3.631352000	-0.006281000	-4.811807000
6	4.292587000	-0.580649000	-0.236603000
6	5.611315000	-0.728867000	-0.044087000
6	6.223841000	-0.447028000	1.300707000
1	5.484103000	-0.083174000	2.016995000
1	6.690941000	-1.350368000	1.709057000
1	7.016753000	0.304701000	1.211635000
6	1.759893000	-1.947750000	-0.248519000
6	1.253947000	-2.447048000	0.752817000
6	0.709343000	-3.178661000	1.867175000
6	-0.616861000	-3.631866000	1.813575000
6	1.505636000	-3.437055000	2.991070000
6	-1.131264000	-4.345303000	2.889113000
1	-1.220977000	-3.411914000	0.941538000
6	0.976295000	-4.152007000	4.056960000
1	2.530542000	-3.080899000	3.012307000
6	-0.340964000	-4.605579000	4.006806000
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1	1.591045000	-4.357730000	4.926949000
1	-0.751794000	-5.163085000	4.842547000
79	0.453537000	-0.198119000	0.599983000
15	-0.312781000	1.947664000	0.513847000
51	-2.557783000	-1.489819000	-1.189993000
9	-1.372496000	-0.046667000	-1.655759000
9	-2.111011000	-1.167077000	0.655667000
9	-1.014333000	-2.631454000	-1.223322000
9	-2.865949000	-1.831137000	-3.018205000
9	-3.608437000	-2.957843000	-0.633804000
9	-4.000263000	-0.280491000	-1.073350000
6	0.119932000	2.960865000	1.969715000
6	-0.713166000	3.992460000	2.412761000
6	1.333742000	2.721645000	2.620727000
6	-0.327618000	4.780239000	3.494348000

1	-1.663578000	4.171201000	1.918003000
6	1.716354000	3.513506000	3.698295000
1	1.973495000	1.909740000	2.282412000
6	0.885200000	4.542519000	4.135689000
1	-0.978990000	5.576994000	3.838327000
1	2.658299000	3.322023000	4.201480000
1	1.179847000	5.154453000	4.982082000
6	-2.111335000	2.115078000	0.333418000
6	-2.679886000	2.766930000	-0.761006000
6	-2.926561000	1.578998000	1.335565000
6	-4.063745000	2.893265000	-0.842602000
1	-2.048522000	3.160360000	-1.551497000
6	-4.305114000	1.720493000	1.252280000
1	-2.482731000	1.040370000	2.168420000
6	-4.873323000	2.378190000	0.163617000
1	-4.507972000	3.387837000	-1.699894000
1	-4.937722000	1.296431000	2.024689000
1	-5.952023000	2.471467000	0.091353000
6	0.455331000	2.803697000	-0.904936000
6	0.712966000	4.177370000	-0.862811000
6	0.779018000	2.065851000	-2.049775000
6	1.291184000	4.808271000	-1.960163000
1	0.470220000	4.752001000	0.026174000
6	1.356514000	2.705380000	-3.142418000
1	0.554339000	1.003646000	-2.095450000
6	1.614746000	4.073084000	-3.098170000
1	1.493434000	5.873709000	-1.923105000
1	1.607272000	2.124913000	-4.024153000
1	2.070812000	4.567564000	-3.950047000
1	3.681061000	-0.297663000	0.621304000
6	6.582174000	-1.206471000	-1.090680000
1	6.084254000	-1.653373000	-1.951981000
1	7.212296000	-0.381289000	-1.444039000
1	7.257354000	-1.950774000	-0.655203000
B-TS1-Ph			
6	4.413728000	-0.419008000	-4.120665000
6	3.908152000	0.942170000	-2.206115000
6	2.613429000	0.392008000	-2.166132000
6	2.225581000	-0.565235000	-3.099917000
1	5.112230000	-0.740418000	-4.886415000
1	1.236399000	-1.004734000	-3.034963000
6	4.209998000	1.907797000	-1.122041000
6	4.727700000	1.503563000	0.083631000
6	1.792172000	0.924695000	-1.081940000
6	2.316465000	1.732314000	-0.209642000

6	2.099148000	2.477747000	1.011550000
6	1.726521000	1.777424000	2.170079000
6	2.231974000	3.872450000	1.047055000
6	1.481420000	2.481366000	3.345079000
1	1.628818000	0.696529000	2.119312000
6	2.001088000	4.562266000	2.229821000
1	2.510509000	4.404366000	0.141764000
6	1.624749000	3.866710000	3.379001000
1	1.184418000	1.941801000	4.238472000
1	2.103400000	5.642105000	2.255670000
1	1.438794000	4.408154000	4.301048000
79	-0.246362000	0.534572000	-0.720869000
15	-2.507282000	0.288245000	-0.321579000
6	5.169705000	2.501930000	1.105633000
1	4.617662000	2.353674000	2.041041000
51	1.217696000	-2.606219000	0.990001000
9	2.698332000	-3.625751000	0.415655000
9	0.883760000	-2.071781000	-0.827350000
9	0.016261000	-4.047128000	0.724985000
9	-0.233254000	-1.454584000	1.504005000
9	2.356958000	-1.079982000	1.191108000
9	1.486152000	-3.072980000	2.798070000
1	5.033722000	3.532066000	0.773523000
1	6.229703000	2.333874000	1.326690000
6	-2.993555000	1.173977000	1.204419000
6	-4.069113000	2.062591000	1.254336000
6	-2.245727000	0.911949000	2.359528000
6	-4.394723000	2.690040000	2.455295000
1	-4.649380000	2.270439000	0.360008000
6	-2.581942000	1.538679000	3.554167000
1	-1.416311000	0.208776000	2.316980000
6	-3.652780000	2.429848000	3.603095000
1	-5.230460000	3.381535000	2.491094000
1	-2.005573000	1.329160000	4.449648000
1	-3.909121000	2.920322000	4.536857000
6	-3.510575000	1.062023000	-1.641427000
6	-4.590332000	0.424459000	-2.254661000
6	-3.152702000	2.355073000	-2.045016000
6	-5.307068000	1.077970000	-3.256443000
1	-4.867298000	-0.582804000	-1.960697000
1	-2.301009000	2.846821000	-1.580068000
6	-4.956294000	2.366746000	-3.643660000
1	-6.140231000	0.573690000	-3.735090000
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6	-3.151053000	-1.393830000	-0.087019000

6	-2.335518000	-2.489339000	-0.370823000
6	-4.441579000	-1.589047000	0.423807000
6	-2.814974000	-3.780509000	-0.156693000
1	-1.321670000	-2.343570000	-0.731500000
6	-4.919991000	-2.878311000	0.615976000
1	-5.060804000	-0.732413000	0.680028000
6	-4.104480000	-3.973352000	0.325026000
1	-2.156106000	-4.621085000	-0.339522000
1	-5.919445000	-3.030901000	1.010405000
1	-4.474155000	-4.979784000	0.494799000
6	4.810447000	0.532423000	-3.181156000
1	5.813595000	0.946690000	-3.209256000
6	3.132793000	-0.966264000	-4.076196000
1	2.841259000	-1.716177000	-4.804055000
6	-3.877622000	3.007050000	-3.034521000
1	-3.595285000	4.009718000	-3.338336000
1	4.203666000	2.973252000	-1.354710000
6	4.912474000	0.067167000	0.452113000
1	5.987581000	-0.141073000	0.514380000
1	4.478352000	-0.126458000	1.436868000
1	4.453156000	-0.617961000	-0.258589000

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6	-3.884637000	2.015899000	1.407790000
6	-2.856849000	1.110817000	1.762100000
6	-2.985396000	0.253395000	2.862022000
6	-4.147627000	0.323382000	3.614526000
6	-5.162132000	1.222083000	3.258875000
6	-5.055701000	2.062716000	2.147523000
6	-3.509066000	2.693595000	0.138323000
6	-2.144718000	2.117936000	-0.219211000
6	-1.774044000	1.173497000	0.824926000
6	-1.047537000	2.833874000	-0.948915000
6	-0.268872000	2.137950000	-1.882967000
6	-0.743821000	4.163790000	-0.660046000
6	0.798252000	2.769396000	-2.514431000
6	0.323887000	4.797028000	-1.298142000
6	1.095954000	4.101476000	-2.224383000
6	-3.474997000	1.773048000	-1.046642000
1	-2.191668000	-0.452372000	3.085285000
1	-4.283636000	-0.323233000	4.474153000
1	1.400246000	2.212120000	-3.226151000
79	0.070734000	0.336429000	0.825938000
15	2.346550000	-0.103566000	0.455813000
51	-1.718085000	-2.538958000	-0.802589000
9	-3.308952000	-2.535687000	-1.829033000

9	-2.617910000	-1.736475000	0.680091000
9	-2.068537000	-4.270887000	-0.149030000
9	-0.677512000	-3.194410000	-2.248672000
9	-1.367933000	-0.759297000	-1.449833000
9	-0.104229000	-2.441361000	0.239186000
6	2.610828000	-0.326422000	-1.340831000
6	3.523691000	0.438844000	-2.071394000
6	1.822747000	-1.282708000	-1.991086000
6	3.639573000	0.246676000	-3.447207000
6	1.934061000	-1.460310000	-3.365168000
6	2.841057000	-0.693324000	-4.094902000
6	3.349232000	1.368287000	0.865835000
6	4.649924000	1.289157000	1.366866000
6	2.786369000	2.620740000	0.588404000
6	5.382500000	2.454369000	1.584690000
1	5.089948000	0.321553000	1.589356000
6	3.528069000	3.778530000	0.792003000
1	1.769073000	2.689069000	0.206869000
6	4.826080000	3.696576000	1.293040000
6	3.157548000	-1.528987000	1.241097000
6	4.306000000	-2.101531000	0.684766000
6	2.613428000	-2.056235000	2.414175000
6	4.916198000	-3.181717000	1.312921000
1	4.709226000	-1.708158000	-0.244950000
6	3.227065000	-3.138280000	3.038873000
1	1.702049000	-1.629146000	2.824013000
6	4.377318000	-3.698219000	2.490033000
1	5.805016000	-3.627607000	0.878785000
1	2.798920000	-3.551751000	3.945805000
1	4.849824000	-4.547062000	2.973711000
1	-3.721374000	3.744863000	-0.033550000
1	-5.178777000	0.526704000	-1.241372000
1	-3.681746000	-0.203819000	-1.848224000
1	-3.986001000	-0.154123000	-0.119418000
6	-3.510359000	2.426554000	-2.409123000
1	-2.908905000	1.848898000	-3.117460000
1	-4.544733000	2.427651000	-2.767464000
1	-3.137587000	3.452369000	-2.394807000
1	4.134189000	1.188614000	-1.576577000
1	4.351055000	0.839588000	-4.013638000
1	2.927889000	-0.829005000	-5.168519000
1	1.297722000	-2.195222000	-3.846762000
1	1.128916000	-1.895704000	-1.428305000
1	-0.495965000	1.095541000	-2.094196000
1	3.084306000	4.742657000	0.563787000

1	5.401710000	4.601342000	1.461152000
1	6.390607000	2.388573000	1.981038000
1	1.929243000	4.593260000	-2.716320000
1	0.551174000	5.833325000	-1.066783000
1	-1.337637000	4.702589000	0.073569000
1	-5.866702000	2.733232000	1.883514000
1	-6.063542000	1.260673000	3.863365000
6	-4.107550000	0.401472000	-1.047433000
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6	-2.581780000	1.204228000	4.444166000
6	-1.711800000	1.167788000	3.356041000
6	-2.206947000	1.461277000	2.087731000
6	-3.562104000	1.783300000	1.928150000
6	-4.435087000	1.810353000	3.004254000
6	-3.930013000	1.524806000	4.274818000
1	-2.208757000	0.978630000	5.438382000
1	-0.663655000	0.911670000	3.482728000
1	-5.487716000	2.046564000	2.869995000
1	-4.589698000	1.550904000	5.136052000
6	-1.506938000	1.511229000	0.789338000
6	-2.414038000	1.862771000	-0.156796000
6	-3.836832000	1.970546000	0.459952000
6	-4.660033000	0.850101000	-0.124787000
6	-4.636843000	-0.423451000	0.397317000
79	0.443531000	0.945354000	0.522494000
15	2.624017000	0.198569000	0.186250000
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6	-2.769336000	3.236466000	-2.213200000
6	-1.295311000	1.337072000	-2.341329000
6	-2.504046000	3.538520000	-3.545234000
1	-3.434207000	3.879774000	-1.642033000
6	-1.020824000	1.648726000	-3.668520000
1	-0.856118000	0.455105000	-1.885896000
6	-1.622387000	2.747759000	-4.277302000
1	-2.975395000	4.400815000	-4.006526000
1	-0.337707000	1.020954000	-4.232569000
1	-1.408442000	2.984309000	-5.314647000
1	-3.617019000	-0.579845000	-0.438572000
51	-1.647239000	-2.537367000	-0.344405000
9	-3.354768000	-3.096091000	0.248675000
9	-1.869539000	-3.473602000	-1.957568000
9	-0.097161000	-1.690697000	-1.049121000
9	-2.673159000	-1.020094000	-1.173529000
9	-0.696008000	-3.929218000	0.491343000
9	-1.522534000	-1.443049000	1.199143000

1	-5.306572000	-1.180506000	-0.000866000
1	-4.184876000	-0.616873000	1.366164000
6	3.855478000	1.079837000	1.212708000
6	3.714103000	2.469081000	1.324645000
6	4.908470000	0.440868000	1.870873000
6	4.626416000	3.208935000	2.068030000
1	2.882649000	2.966925000	0.830723000
6	5.813442000	1.185193000	2.625050000
1	5.017599000	-0.636933000	1.806680000
6	5.677372000	2.566506000	2.720627000
1	4.510258000	4.284884000	2.147775000
1	6.624702000	0.680819000	3.139970000
1	6.383560000	3.142858000	3.309685000
6	3.190306000	0.457158000	-1.535830000
6	4.367109000	1.135070000	-1.856658000
6	2.386216000	-0.067970000	-2.555880000
6	4.737426000	1.290441000	-3.191635000
1	4.993485000	1.544850000	-1.069679000
6	2.767409000	0.083676000	-3.883954000
1	1.475589000	-0.608055000	-2.303465000
6	3.940429000	0.766733000	-4.203720000
1	5.651237000	1.821864000	-3.437266000
1	2.148443000	-0.334211000	-4.671768000
1	4.231674000	0.888674000	-5.242118000
6	2.901355000	-1.581177000	0.455643000
6	1.929676000	-2.338193000	1.113275000
6	4.063785000	-2.200916000	-0.021124000
6	2.133298000	-3.701531000	1.318945000
1	1.003462000	-1.871432000	1.441395000
6	4.266200000	-3.558371000	0.194475000
1	4.801959000	-1.620436000	-0.569916000
6	3.301309000	-4.306881000	0.868382000
1	1.359807000	-4.286024000	1.802724000
1	5.168246000	-4.035498000	-0.174993000
1	3.454719000	-5.369946000	1.024940000
1	-4.322903000	2.924588000	0.221081000
6	-5.394224000	1.133104000	-1.393688000
1	-5.890626000	0.247461000	-1.791503000
1	-6.142274000	1.908327000	-1.194012000
1	-4.704617000	1.542673000	-2.139371000
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6	2.529828000	4.488290000	-1.997808000
6	1.722007000	3.541330000	-1.372229000
6	2.303255000	2.668426000	-0.457015000
6	3.672399000	2.743992000	-0.169981000

6	4.481585000	3.675378000	-0.803402000
6	3.896878000	4.551528000	-1.719119000
1	2.098039000	5.179027000	-2.715011000
1	0.658744000	3.475942000	-1.587716000
1	5.547907000	3.714179000	-0.599995000
1	4.512309000	5.289162000	-2.224420000
6	1.678602000	1.574860000	0.324618000
6	2.679237000	0.993784000	1.066458000
6	4.024497000	1.708172000	0.868580000
6	5.212023000	0.810102000	0.551813000
6	5.460082000	0.404215000	-0.693132000
79	-0.316294000	1.036039000	0.248152000
15	-2.564915000	0.424755000	0.116058000
6	2.483127000	-0.117076000	2.029811000
6	1.535616000	0.016644000	3.050332000
6	3.168093000	-1.328993000	1.888097000
6	1.282082000	-1.039440000	3.918783000
1	1.002253000	0.957842000	3.151414000
6	2.900769000	-2.388734000	2.748279000
1	3.868875000	-1.460025000	1.068750000
6	1.962618000	-2.244859000	3.766671000
1	0.546088000	-0.924180000	4.708092000
1	3.411245000	-3.335150000	2.604106000
1	1.753314000	-3.074566000	4.434288000
1	2.248058000	0.189161000	-0.345719000
51	1.188245000	-2.284425000	-1.260174000
9	2.009293000	-2.448672000	-2.938144000
9	2.601983000	-3.224872000	-0.452002000
9	0.537688000	-1.806536000	0.446982000
9	2.401207000	-0.609157000	-1.075659000
9	0.052995000	-3.773884000	-1.449080000
9	-0.080593000	-1.086872000	-2.010468000
1	6.295101000	-0.254361000	-0.911093000
1	4.838409000	0.712368000	-1.528634000
6	-3.663976000	1.467413000	1.139057000
6	-5.027040000	1.604252000	0.858918000
6	-3.124185000	2.094058000	2.266197000
6	-5.838779000	2.357293000	1.700983000
1	-5.451592000	1.130231000	-0.021311000
6	-3.941148000	2.841033000	3.110834000
1	-2.061695000	1.996413000	2.476755000
6	-5.297483000	2.973414000	2.827641000
1	-6.894927000	2.465531000	1.476467000
1	-3.515460000	3.324227000	3.984079000
1	-5.933129000	3.562295000	3.481118000

6	-3.248548000	0.498214000	-1.573605000
6	-4.307991000	-0.322034000	-1.975466000
6	-2.703379000	1.416033000	-2.475712000
6	-4.826785000	-0.208487000	-3.261505000
1	-4.714476000	-1.058099000	-1.287238000
6	-3.226842000	1.528268000	-3.760071000
1	-1.858933000	2.029793000	-2.172326000
6	-4.289121000	0.718126000	-4.152056000
1	-5.646466000	-0.848856000	-3.570419000
1	-2.797019000	2.238925000	-4.458076000
1	-4.692094000	0.801103000	-5.156291000
6	-2.904717000	-1.281938000	0.668946000
6	-3.623991000	-1.561769000	1.832016000
6	-2.361478000	-2.328275000	-0.085061000
6	-3.796220000	-2.884467000	2.235839000
1	-4.049215000	-0.755314000	2.421980000
6	-2.532586000	-3.644236000	0.324799000
1	-1.811445000	-2.111138000	-0.995515000
6	-3.250804000	-3.922411000	1.486941000
1	-4.357099000	-3.100945000	3.139383000
1	-2.085039000	-4.440711000	-0.259379000
1	-3.381604000	-4.950159000	1.810554000
1	4.231410000	2.218318000	1.823072000
6	6.064621000	0.414804000	1.725916000
1	5.455931000	-0.044458000	2.512330000
1	6.845390000	-0.290381000	1.433244000
1	6.541009000	1.299535000	2.164611000

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6	-3.192952000	-0.757417000	3.898295000
6	-2.388004000	-0.415433000	2.816858000
6	-2.805006000	0.545627000	1.894544000
6	-4.070532000	1.167674000	2.092352000
6	-4.834510000	0.867498000	3.232297000
6	-4.412416000	-0.112545000	4.115942000
1	-2.854740000	-1.520304000	4.591813000
1	-1.436516000	-0.909930000	2.658697000
1	-5.785969000	1.368997000	3.383155000
1	-5.023976000	-0.372283000	4.972994000
6	-1.943761000	1.023623000	0.810082000
6	-2.375591000	1.838662000	-0.122696000
6	-4.479240000	2.178826000	1.164388000
6	-4.267386000	2.092833000	-0.209801000
6	-4.703195000	3.292199000	-1.029660000
1	-4.279559000	3.255995000	-2.034581000
1	-5.794029000	3.275987000	-1.126992000

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6	-1.082655000	4.085235000	-2.852713000
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6	-0.931096000	1.785635000	-3.580450000
1	-1.612772000	0.302549000	-2.158006000
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1	-0.293874000	3.472023000	-4.757330000
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9	-2.606589000	-3.845136000	-0.152592000
9	-0.791271000	-2.190667000	0.932795000
9	-1.640320000	-3.252747000	-2.627621000
9	-2.454177000	-1.283523000	-0.963771000
9	0.055559000	-4.132355000	-0.676070000
9	0.116897000	-1.548288000	-1.495052000
6	3.292572000	1.034769000	1.823860000
6	2.827967000	2.264397000	2.308342000
6	4.406942000	0.438874000	2.416973000
6	3.480089000	2.895083000	3.361013000
1	1.948577000	2.720167000	1.858827000
6	5.051217000	1.069812000	3.480224000
1	4.766664000	-0.520181000	2.058371000
6	4.593097000	2.296527000	3.949650000
1	3.114141000	3.847971000	3.729222000
1	5.911883000	0.597166000	3.942217000
1	5.096970000	2.784034000	4.778058000
6	2.929745000	1.250704000	-1.039020000
6	2.239097000	1.029526000	-2.236770000
6	3.987755000	2.160512000	-0.998417000
6	2.616263000	1.716773000	-3.385275000
1	1.417651000	0.314335000	-2.261660000
6	4.354929000	2.848488000	-2.153129000
1	4.521016000	2.335826000	-0.068344000
6	3.670789000	2.627388000	-3.344521000
1	2.082525000	1.542944000	-4.314373000
1	5.176636000	3.556781000	-2.119099000
1	3.958786000	3.165138000	-4.242357000
6	3.118494000	-1.356788000	0.146047000
6	2.360874000	-2.499149000	0.403121000

6	4.418668000	-1.475206000	-0.364598000
6	2.905391000	-3.758997000	0.159221000
1	1.344296000	-2.414484000	0.772537000
6	4.962627000	-2.733772000	-0.584918000
1	4.995181000	-0.583893000	-0.600685000
6	4.203498000	-3.875571000	-0.323805000
1	2.289646000	-4.635806000	0.322115000
1	5.969899000	-2.825979000	-0.978290000
1	4.624098000	-4.857765000	-0.515884000
6	-4.558136000	0.759918000	-0.915250000
1	-5.631796000	0.746129000	-1.133689000
1	-4.015229000	0.700455000	-1.859861000
1	-4.290160000	-0.107913000	-0.316637000
1	-4.901620000	3.100302000	1.573236000

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6	2.573514000	0.958579000	4.097676000
6	1.796652000	0.317734000	3.168246000
6	2.377638000	-0.493097000	2.159786000
6	3.818035000	-0.618841000	2.181934000
6	4.604783000	0.077311000	3.163999000
6	3.995986000	0.848905000	4.101942000
1	2.096475000	1.581038000	4.848834000
1	0.718345000	0.437816000	3.165525000
1	5.685137000	-0.030837000	3.132819000
1	4.574147000	1.383147000	4.847216000
6	1.565980000	-1.114265000	1.151365000
6	2.205209000	-1.881036000	0.207082000
6	4.416107000	-1.417148000	1.245738000
6	3.668188000	-2.225869000	0.276619000
6	3.710164000	-3.675834000	0.909772000
1	3.165223000	-4.342546000	0.236442000
1	4.744393000	-4.019177000	0.990123000
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6	-0.199313000	-4.127863000	-1.659150000
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6	0.808586000	-2.601991000	-3.231408000
1	2.189852000	-1.167025000	-2.404273000
6	-0.054950000	-3.662645000	-2.963010000
1	-0.885402000	-4.940181000	-1.442014000
1	0.902392000	-2.216016000	-4.241862000

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51	2.148797000	1.916332000	-1.167894000
9	3.603879000	3.039955000	-0.737452000
9	1.588429000	1.900979000	0.663243000
9	2.655200000	1.812466000	-2.985580000
9	3.261142000	0.388842000	-0.819693000
9	1.022068000	3.411006000	-1.472636000
9	0.685463000	0.733582000	-1.539380000
6	-3.812226000	-0.204840000	1.593419000
6	-4.042317000	-1.540422000	1.949517000
6	-4.483583000	0.811718000	2.275168000
6	-4.946794000	-1.852561000	2.956603000
1	-3.512386000	-2.335175000	1.429212000
6	-5.383793000	0.494287000	3.291441000
1	-4.303933000	1.850390000	2.016281000
6	-5.619995000	-0.833432000	3.630026000
1	-5.124046000	-2.890251000	3.220205000
1	-5.900674000	1.290940000	3.816723000
1	-6.323437000	-1.076452000	4.419966000
6	-3.167422000	-0.753104000	-1.180071000
6	-2.249346000	-0.959568000	-2.215934000
6	-4.497576000	-1.153033000	-1.334983000
6	-2.672466000	-1.550099000	-3.403187000
1	-1.211804000	-0.645776000	-2.100268000
6	-4.908140000	-1.755354000	-2.520817000
1	-5.210874000	-1.001638000	-0.529533000
6	-3.997372000	-1.950004000	-3.556384000
1	-1.957957000	-1.699443000	-4.206122000
1	-5.940833000	-2.068673000	-2.636828000
1	-4.321720000	-2.413846000	-4.482768000
6	-2.732122000	1.883486000	-0.145391000
6	-1.600446000	2.699856000	-0.153215000
6	-3.967951000	2.391058000	-0.570500000
6	-1.706616000	4.024996000	-0.576625000
1	-0.633639000	2.310609000	0.152836000
6	-4.070939000	3.715300000	-0.971941000
1	-4.842965000	1.745426000	-0.592348000
6	-2.937198000	4.531492000	-0.975301000
1	-0.809835000	4.631732000	-0.615287000
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1	4.417391000	-1.323315000	-1.551798000

1	5.500461000	-1.534410000	1.256084000
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6	1.213813000	3.837635000	-2.360622000
6	2.111702000	4.572241000	-3.136806000
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6	3.851685000	4.292087000	-1.472029000
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6	1.722149000	2.367267000	0.924896000
6	0.892655000	2.540496000	-0.131590000
6	1.551600000	1.564582000	2.150998000
6	1.549027000	0.160662000	2.057066000
6	1.572435000	2.154871000	3.424170000
6	1.552950000	-0.637346000	3.208226000
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1	1.569816000	1.825473000	5.544449000
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9	0.995338000	-3.497301000	-1.780195000
9	3.353355000	-2.099078000	-2.037928000
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1	-2.785683000	-0.625656000	4.755372000
1	-1.382626000	-2.674957000	4.733227000
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6	-4.036625000	-1.676160000	-1.961687000
6	-1.686134000	-2.803013000	-2.963129000
1	-0.647432000	-1.477744000	-1.634830000
6	-4.094459000	-2.652672000	-2.951329000
1	-4.955440000	-1.242624000	-1.580571000
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1	-0.762965000	-3.245029000	-3.320064000
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1	-2.976193000	-3.989525000	-4.210807000
6	3.832470000	0.780374000	-0.848936000
1	2.786119000	0.554808000	-1.076284000
1	4.236566000	1.400841000	-1.648992000
1	4.363427000	-0.169212000	-0.796952000
1	3.597396000	3.469401000	1.402619000