

Supporting Information for

Computational Studies of CuAAC Reaction Mechanism with Diimine and Phosphorus Ligands for Synthesis of 1,4-Disubstituted 1,2,3-Triazoles

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Table S1. Calculated values of energies (E_o) of catalytic cycle components, H_{corr} , and G_{corr} in the gas phase (in Hartree) for mononuclear CuAAC reaction path.

Compound	MN12L ^a					
	L1			L2		
	E_o	H_{corr}	G_{corr}	E_o	H_{corr}	G_{corr}
(M-Ac)	-2603.631952	0.495051	0.410803	-2825.177701	0.424052	0.331486
(M-RC)	-3038.046952	0.639522	0.536186	-3259.599272	0.568798	0.457636
(M-TS1)	-3038.032799	0.638148	0.538069	-3259.583778	0.567024	0.460319
(M-IC)	-3038.052273	0.640111	0.541542	-3259.603760	0.569001	0.463076
(M-TS2)	-3038.051537	0.639171	0.543222	-3259.603709	0.567922	0.462678
(M-P)	-3038.150700	0.642653	0.546893	-3259.701293	0.571556	0.469013
	L3			L4		
	E_o	H_{corr}	G_{corr}	E_o	H_{corr}	G_{corr}
	(M-Ac)	-2912.801167	0.643551	0.553355	-2982.370692	0.404788
(M-RC)	-3347.222464	0.788395	0.678705	-3416.794211	0.550157	0.441161
(M-TS)	-3347.208717	0.786723	0.682371	-3416.779467	0.548505	0.445613
(M-IC)	-3347.229114	0.788686	0.685215	-3416.798745	0.550520	0.448789
(M-TS2)	-3347.226392	0.787807	0.686721	-3416.794936	0.549503	0.448638
(M-P)	-3347.331171	0.790286	0.688897	-3416.896303	0.553031	0.451938
	L5					
	E_o	H_{corr}	G_{corr}			
	(M-Ac)	-2751.132459	0.343566	0.262562		
(M-RC)	-3185.557325	0.487775	0.387889			
(M-TS)	-3185.541701	0.486321	0.392220			
(M-IC)	-3185.557928	0.488142	0.394789			
(M-TS2)	-3185.553437	0.487291	0.394936			
(M-P)	-3185.654354	0.491095	0.399562			
Azide	-434.3929550	0.143198	0.099310			

Table S2. Calculated values of energies (E_o) of catalytic cycle components, H_{corr} , and G_{corr} in the gas phase (in Hartree) for binuclear CuAAC reaction path.

Compound	MN12L ^a					
	L1			L2		
	E_o	H_{corr}	G_{corr}	E_o	H_{corr}	G_{corr}
(B-Ac)	-4899.860953	0.884019	0.765664	-5342.978058	0.741659	0.610776
(B-RC)	-5334.278645	1.028763	0.887705	-5777.393176	0.886874	0.734980
(B-TS1)	-5334.271176	1.026670	0.891215	-5777.385299	0.884882	0.735503
(B-IC)	-5334.296129	1.029185	0.896820	-5777.412335	0.887078	0.739715
(B-TS2)	-5334.295571	1.028233	0.895884	-5777.408865	0.886228	0.740883
(B-P)	-5334.367533	1.031813	0.901621	-5777.492150	0.889999	0.744021
	L3			L4		
	E_o	H_{corr}	G_{corr}	E_o	H_{corr}	G_{corr}
(B-Ac)	-5518.211799	1.181041	1.048018	-5657.335335	0.704078	0.575101
(B-RC)	-5952.637023	1.326184	1.174911	-6091.761742	0.848533	0.701610
(B-TS)	-5952.619077	1.324796	1.177844	-6091.736784	0.847020	0.706050
(B-IC)	-5952.645938	1.327126	1.182386	-6091.753653	0.848613	0.704523
(B-TS2)	-5952.643839	1.325285	1.179808	-6091.753132	0.84784	0.705568
(B-P)	-5952.737332	1.329285	1.186154	-6091.858580	0.851353	0.712653
	L5					
	E_o	H_{corr}		G_{corr}		
(B-Ac)	-5194.833994	0.580560		0.461299		
(B-RC)	-5629.276847	0.724372		0.592941		
(B-TS)	-5629.251669	0.723162		0.597256		
(B-IC)	-5629.264202	0.724360		0.594979		
(B-TS2)	-5629.263838	0.723433		0.596415		
(B-P)	-5629.360521	0.727440		0.601977		

Table S3. Calculated values of energies (E_o) of catalytic cycle components, presence of toluene and water as solvent (in Hartree) for mononuclear CuAAC reaction path.

Compound	toluene				
	L1	L2	L3	L4	L5
(M-Ac)	-2603.641309	-2825.190327	-2912.810609	-2982.381201	-2751.142478
(M-RC)	-3038.057596	-3259.613220	-3347.233149	-3416.805740	-3185.566777
(M-TS1)	-3038.041326	-3259.595552	-3347.217485	-3416.788162	-3185.548348
(M-IC)	-3038.061490	-3259.616357	-3347.238146	-3416.807928	-3185.565299
(M-TS2)	-3038.060467	-3259.616409	-3347.235368	-3416.804904	-3185.562036
(M-P)	-3038.162210	-3259.716064	-3347.342663	-3416.908549	-3185.666354
	water				
	L1	L2	L3	L4	L5
(M-Ac)	-2603.650445	-2825.202007	-2912.819620	-2982.389876	-2751.150779
(M-RC)	-3038.067843	-3259.626204	-3347.243473	-3416.815736	-3185.574688
(M-TS1)	-3038.049680	-3259.606610	-3347.226006	-3416.795636	-3185.553889
(M-IC)	-3038.070442	-3259.628106	-3347.246835	-3416.815777	-3185.571535
(M-TS2)	-3038.049680	-3259.628247	-3347.244014	-3416.813426	-3185.569372
(M-P)	-3038.173124	-3259.729491	-3347.353478	-3416.919012	-3185.676700

Table S4. Calculated values of energies (E_o) of catalytic cycle components, presence of toluene and water as solvent (in Hartree) for binuclear CuAAC reaction path.

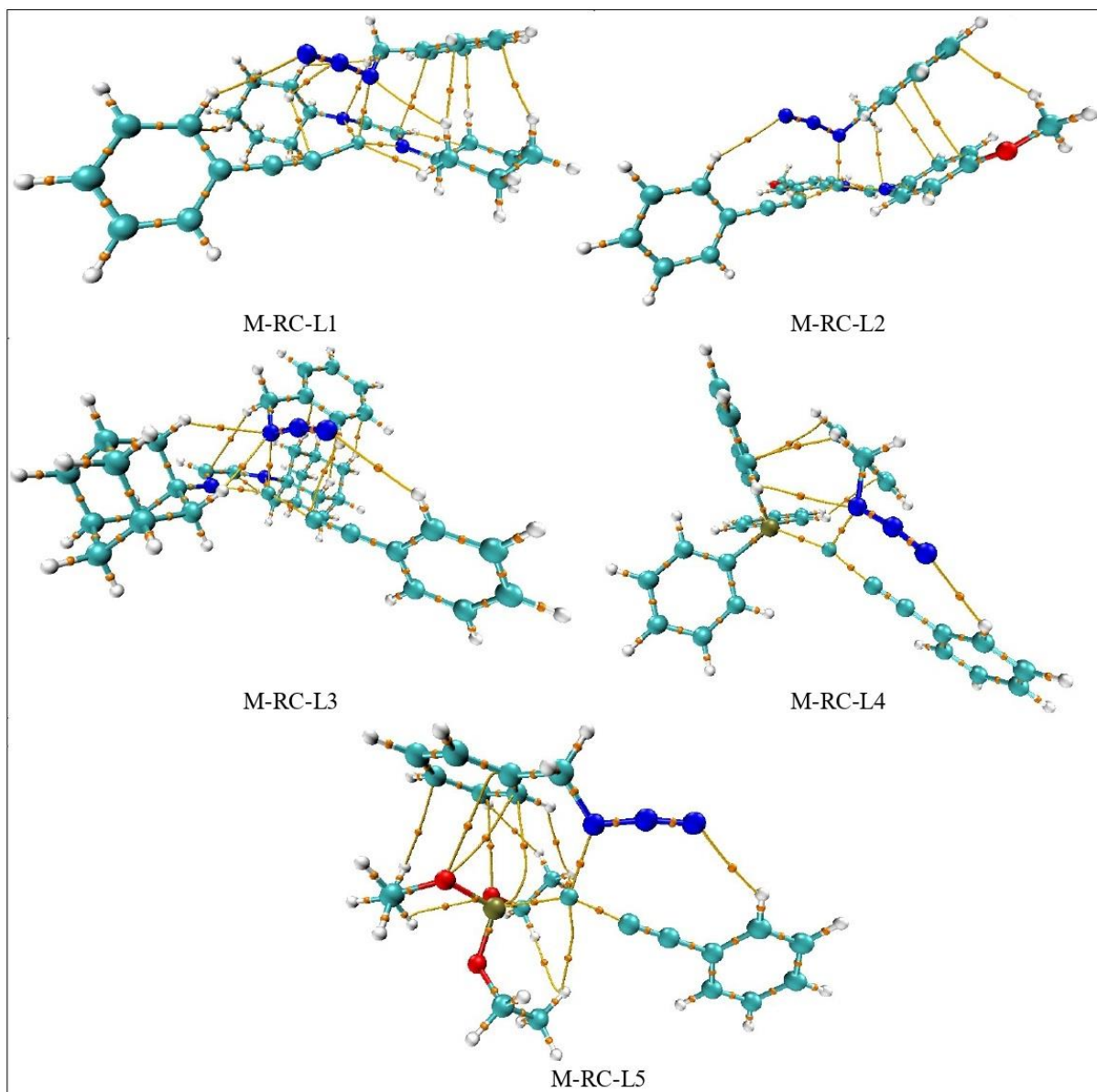
Compound	toluene				
	L1	L2	L3	L4	L5
(M-Ac)	-4899.891221	-5343.010444	-5518.23996	-5657.364823	-5194.865065
(M-RC)	-5334.309037	-5777.425088	-5952.66612	-6091.791534	-5629.308288
(M-TS1)	-5334.301573	-5777.418093	-5952.64765	-6091.765810	-5629.283097
(M-IC)	-5334.328819	-5777.447379	-5952.67735	-6091.783506	-5629.296918
(M-TS2)	-5334.328819	-5777.444128	-5952.67553	-6091.783199	-5629.296968
(M-P)	-5334.401076	-5777.527616	-5952.76938	-6091.891201	-5629.395447
Compound	water				
	L1	L2	L3	L42	L5
(M-Ac)	-4899.914106	-5343.03526	-5518.26128	-5657.38651	-5194.88776
(M-RC)	-5334.332519	-5777.44947	-5952.68871	-6091.81337	-5629.33133
(M-TS1)	-5334.324846	-5777.44342	-5952.66950	-6091.78706	-5629.30622
(M-IC)	-5334.354670	-5777.47520	-5952.70221	-6091.80565	-5629.32144
(M-TS2)	-5334.354772	-5777.47198	-5952.70058	-6091.80557	-5629.32186
(M-P)	-5334.427292	-5777.55541	-5952.79457	-6091.91590	-5629.42174

Table S5: Calculated Gibbs Free Energies in the gas phase and the presence of toluene or water as a solvent for uncatalyzed pathway (in kcal/mol).

	1-4			1-5		
	Gas	Toluene	Water	Gas	Toluene	Water
$\Delta_r G^\circ$ (reagents)	0.0	0.0	0.0	0.0	0.0	0.0
ΔG^\ddagger (TS)	32.3	32.9	33.3	30.6	31.5	32.3
$\Delta_r G^\circ$ (P)	-62.1	-62.7	-63.5	-59.8	-60.2	-60.6

Table S6. Calculated values of energies (E_o) in the presence of toluene and water as a solvent for uncatalyzed cycle components, H_{corr} , and G_{corr} in the gas phase (in Hartree).

Compound	MN12L				
	E_o gas phase	E_o toluene	E_o water	H_{corr}	G_{corr}
Azide	-434.392955	-434.396191	-434.398722	0.143198	0.099310
alkyne	-307.868657	-307.871284	-307.873359	0.117950	0.080250
1,4-TS	-742.231141	-742.236017	-742.240038	0.261346	0.200499
1,5-TS	-742.234612	-742.238895	-742.242335	0.261262	0.201247
1,4-P	-742.389283	-742.396116	-742.401878	0.267302	0.208233
1,5-P	-742.387732	-742.394211	-742.399565	0.267447	0.210414



. Fig. S1. AIM of RC (reactive complexes) in the mononuclear pathway calculated at MN12L.

MN12L Optimized Cartesian Coordinates for mononuclear catalytic cycle components

Azide				6	3.466503000	-2.926948000	-0.012927000
7	2.679814000	1.130672000	1.175397000	1	3.600978000	-1.829341000	-0.053196000
7	2.272638000	-0.338471000	-0.613110000	1	4.475816000	-3.367907000	0.009380000
7	2.427365000	0.396209000	0.354994000	6	-3.825935000	0.211684000	0.063265000
6	-0.191276000	-0.566889000	-0.293159000	1	-3.757258000	0.613594000	2.189676000
6	-1.177301000	-1.229108000	0.440646000	1	-4.811531000	-0.301336000	0.115203000
6	-0.455186000	0.717625000	-0.777489000	6	-3.691733000	1.174163000	1.242623000
6	-2.409428000	-0.627434000	0.676936000	1	-2.670690000	1.603199000	1.199995000
1	-0.972529000	-2.229930000	0.835808000	1	-3.820341000	0.281990000	-2.101602000
6	-1.684245000	1.322020000	-0.535867000	6	-3.726916000	0.980917000	-1.254050000
1	0.314370000	1.245148000	-1.350771000	1	-2.705754000	1.410910000	-1.309363000
6	-2.665367000	0.650902000	0.189489000	6	-4.769727000	2.086414000	-1.323287000
1	-3.171351000	-1.156949000	1.255347000	1	-4.677689000	2.627694000	-2.278137000
1	-1.878183000	2.327967000	-0.917956000	1	-5.781962000	1.638256000	-1.322241000
1	-3.629829000	1.128681000	0.380834000	6	-4.736446000	2.277120000	1.172194000
6	1.127626000	-1.242734000	-0.571945000	1	-4.620932000	2.957620000	2.030485000
1	1.114778000	-1.728347000	-1.560052000	1	-5.747566000	1.836151000	1.266162000
1	1.295078000	-2.051739000	0.164155000	6	-4.638587000	3.037574000	-0.142585000
Ac-L1				1	-3.658682000	3.547375000	-0.194598000
7	-2.757753000	-0.761143000	0.117372000	1	-5.403068000	3.829046000	-0.193667000
29	-0.874492000	-0.241310000	-0.045417000	RC-L1			
6	-2.999855000	-2.018053000	0.205669000	7	1.751982000	0.009268000	-1.552697000
7	-0.720583000	-2.385853000	-0.049470000	29	-0.006921000	-0.350455000	-0.772282000
6	-1.849576000	-2.919150000	0.208612000	6	1.997300000	1.251407000	-1.809701000
1	-4.026406000	-2.409025000	0.283133000	7	-0.128382000	1.768785000	-1.006755000
1	-1.979078000	-3.992021000	0.433076000	6	0.896287000	2.185923000	-1.655775000
6	0.641457000	0.799711000	-0.029289000	1	2.972574000	1.607463000	-2.168400000
6	1.727808000	1.389740000	-0.018975000	1	0.954524000	3.190518000	-2.110763000
6	2.960852000	2.088915000	-0.003376000	6	-1.672449000	-1.145286000	-0.558927000
6	3.518091000	2.551806000	1.206596000	6	-2.835075000	-1.430152000	-0.251035000
6	3.670798000	2.343492000	-1.194893000	6	-4.173933000	-1.698201000	0.132310000
6	4.727161000	3.233179000	1.219510000	6	-4.724768000	-1.063632000	1.265751000
6	4.877412000	3.029212000	-1.172435000	6	-4.997988000	-2.576712000	-0.598578000
6	5.415504000	3.477765000	0.032466000	6	-6.039283000	-1.297093000	1.645016000
1	2.976600000	2.363566000	2.137475000	6	-6.312263000	-2.803935000	-0.212526000
1	3.249214000	1.992170000	-2.140431000	6	-6.841676000	-2.167749000	0.908890000
1	5.139196000	3.581821000	2.171157000	1	-4.084905000	-0.385603000	1.841904000
1	5.408206000	3.216743000	-2.110537000	1	-4.582050000	-3.076009000	-1.477615000
1	6.366549000	4.016606000	0.046202000	1	-6.444863000	-0.795022000	2.528326000
6	0.522839000	-3.102894000	-0.018775000	1	-6.934910000	-3.489682000	-0.794729000
1	0.749646000	-3.079449000	-2.171461000	1	-7.876660000	-2.351169000	1.209611000
1	0.345733000	-4.201922000	0.038175000	7	-1.370657000	-0.584641000	2.685463000
6	1.315415000	-2.761316000	-1.280280000	7	-0.421223000	-0.249382000	2.178552000
1	1.390321000	-1.656180000	-1.322900000	7	0.577897000	-0.008554000	1.496750000
1	0.730853000	-2.916005000	2.131069000	6	1.321608000	1.201864000	1.850326000
6	1.305980000	-2.661248000	1.224814000	1	1.025718000	2.021596000	1.171859000
1	1.385533000	-1.557117000	1.190783000	1	1.051588000	1.526058000	2.873469000
6	2.692304000	-3.285204000	1.247269000	6	2.808930000	1.004973000	1.765981000
1	3.231996000	-2.954590000	2.148957000	6	3.422680000	-0.136022000	2.287957000
1	2.606171000	-4.386483000	1.326084000	6	3.608354000	2.021595000	1.237201000
6	2.703490000	-3.379677000	-1.249206000	6	4.809844000	-0.249241000	2.293795000
1	3.250772000	-3.117487000	-2.168480000	6	4.996148000	1.913286000	1.248204000
1	2.620958000	-4.484149000	-1.246260000	6	5.600643000	0.776469000	1.778961000

1	2.799029000	-0.939459000	2.694658000	1	-4.133527000	-1.512444000	-2.098868000
1	3.128530000	2.913749000	0.817246000	1	-5.255281000	-4.453973000	1.738519000
1	5.279844000	-1.143754000	2.712725000	1	-6.213446000	-2.868918000	-2.147934000
1	5.609575000	2.719202000	0.836143000	1	-6.786896000	-4.345926000	-0.221210000
1	6.690272000	0.688189000	1.791053000	7	-1.775108000	-1.168768000	1.715792000
6	-1.339647000	2.537140000	-0.881213000	7	-0.793551000	-0.564912000	1.960025000
1	-1.881585000	2.315681000	-2.965071000	7	0.122098000	0.057299000	1.321701000
1	-1.127557000	3.623050000	-1.016600000	6	1.122483000	0.725747000	2.118430000
6	-2.321991000	2.098961000	-1.976677000	1	1.272704000	1.738171000	1.691534000
1	-2.430253000	1.000507000	-1.903083000	1	0.752502000	0.877263000	3.149414000
1	-1.239119000	2.624161000	1.283654000	6	2.450548000	0.011095000	2.148877000
6	-1.943253000	2.287959000	0.500447000	6	2.541798000	-1.355778000	1.878718000
1	-2.061618000	1.190232000	0.605049000	6	3.614114000	0.715635000	2.472194000
6	-3.301748000	2.952192000	0.657258000	6	3.775061000	-2.002389000	1.926885000
1	-3.708654000	2.742560000	1.659749000	6	4.845586000	0.071145000	2.520075000
1	-3.195530000	4.053025000	0.592465000	6	4.930929000	-1.292304000	2.241645000
6	-3.675632000	2.768856000	-1.804343000	1	1.635918000	-1.913262000	1.620415000
1	-4.359113000	2.431360000	-2.599763000	1	3.550657000	1.789417000	2.681643000
1	-3.572999000	3.864690000	-1.929617000	1	3.832520000	-3.074479000	1.715891000
6	-4.252237000	2.469085000	-0.428427000	1	5.747546000	0.636414000	2.771264000
1	-4.391081000	1.374450000	-0.325469000	1	5.897968000	-1.801492000	2.277218000
1	-5.247867000	2.925840000	-0.311391000	6	-1.475754000	3.131230000	-0.183150000
6	2.761992000	-1.033412000	-1.680179000	1	-2.181766000	3.371736000	-2.219686000
1	4.464761000	0.181568000	-2.299440000	1	-1.288037000	4.221629000	-0.038160000
1	2.628597000	-1.458991000	-2.699301000	6	-2.543784000	2.949073000	-1.267631000
6	4.204999000	-0.565885000	-1.531924000	1	-2.661359000	1.859024000	-1.425450000
1	4.299602000	-0.065552000	-0.549020000	1	-1.203752000	2.595118000	1.902026000
1	1.398704000	-2.477847000	-0.839185000	6	-1.982730000	2.520343000	1.122777000
6	2.439331000	-2.141543000	-0.682286000	1	-2.152558000	1.441987000	0.935442000
1	2.471603000	-1.702663000	0.333365000	6	-3.285326000	3.172721000	1.557288000
6	3.421595000	-3.296852000	-0.786296000	1	-3.623492000	2.738338000	2.511190000
1	3.165562000	-4.077848000	-0.053229000	1	-3.119218000	4.250471000	1.750154000
1	3.326681000	-3.770233000	-1.782526000	6	-3.861911000	3.579416000	-0.844481000
6	5.180925000	-1.732718000	-1.615472000	1	-4.615820000	3.435943000	-1.635063000
1	6.211973000	-1.366228000	-1.484211000	1	-3.730051000	4.674119000	-0.743057000
1	5.139968000	-2.170579000	-2.631521000	6	-4.347003000	3.006175000	0.479374000
6	4.849927000	-2.810521000	-0.595653000	1	-4.560871000	1.928529000	0.351238000
1	4.955406000	-2.387470000	0.421850000	1	-5.294545000	3.478373000	0.784491000
1	5.565913000	-3.645458000	-0.663709000	6	2.818923000	0.144940000	-1.924179000
TS1-L1				1	4.451545000	1.322262000	-1.100901000
7	1.760211000	0.983835000	-1.368525000	1	3.012315000	0.489520000	-2.964091000
29	0.059559000	0.306562000	-0.643479000	6	4.122049000	0.269364000	-1.135026000
6	1.889628000	2.265064000	-1.414647000	1	3.918637000	-0.035214000	-0.094366000
7	-0.281885000	2.457206000	-0.603081000	1	1.412485000	-1.382103000	-2.519114000
6	0.779868000	3.078810000	-0.945699000	6	2.364632000	-1.305735000	-1.967652000
1	2.783903000	2.743991000	-1.843550000	1	2.141047000	-1.615313000	-0.926138000
1	0.866538000	4.179956000	-0.928990000	6	3.442829000	-2.198127000	-2.562260000
6	-1.417207000	-0.768595000	-0.806871000	1	3.098515000	-3.243806000	-2.590091000
6	-2.317454000	-1.419626000	-0.196201000	1	3.618215000	-1.907450000	-3.616348000
6	-3.514367000	-2.212052000	-0.154259000	6	5.203656000	-0.623315000	-1.724550000
6	-3.848264000	-3.049557000	0.922615000	1	6.127916000	-0.528724000	-1.130843000
6	-4.389276000	-2.163126000	-1.257836000	1	5.455272000	-0.277417000	-2.746021000
6	-5.014072000	-3.805632000	0.891142000	6	4.743762000	-2.073246000	-1.782171000
6	-5.549620000	-2.922990000	-1.280254000	1	4.581051000	-2.435935000	-0.749445000
6	-5.871392000	-3.748591000	-0.204204000	1	5.527721000	-2.713252000	-2.218224000
1	-3.180150000	-3.103643000	1.782932000	IC-L1			

7	1.756749000	1.025926000	-1.315798000	1	3.061272000	0.608050000	-2.894276000
29	0.088631000	0.261811000	-0.603512000	6	4.126925000	0.372152000	-1.041552000
6	1.816675000	2.308150000	-1.395426000	1	3.904402000	0.035529000	-0.015604000
7	-0.410257000	2.435891000	-0.721036000	1	1.505215000	-1.320020000	-2.544156000
6	0.662319000	3.083362000	-0.962238000	6	2.437521000	-1.230103000	-1.961100000
1	2.692113000	2.819076000	-1.827674000	1	2.194887000	-1.573825000	-0.934959000
1	0.732125000	4.183774000	-0.890241000	6	3.557335000	-2.077309000	-2.545273000
6	-1.319227000	-0.848167000	-0.616223000	1	3.242991000	-3.130909000	-2.606533000
6	-2.120530000	-1.398408000	0.285390000	1	3.754635000	-1.757149000	-3.586806000
6	-3.273313000	-2.277431000	0.030093000	6	5.248674000	-0.474643000	-1.623029000
6	-4.026323000	-2.808271000	1.083695000	1	6.153609000	-0.367836000	-1.002663000
6	-3.634211000	-2.597507000	-1.287605000	1	5.516860000	-0.098928000	-2.629625000
6	-5.112597000	-3.637205000	0.820132000	6	4.830647000	-1.934877000	-1.723635000
6	-4.717228000	-3.425593000	-1.544028000	1	4.647517000	-2.323404000	-0.703658000
6	-5.464205000	-3.950562000	-0.489484000	1	5.643610000	-2.544525000	-2.149594000
1	-3.744408000	-2.560040000	2.109132000	TS2-L1			
1	-3.045403000	-2.182141000	-2.112401000	7	-1.566645000	2.131844000	0.623873000
1	-5.692488000	-4.045776000	1.652937000	29	-0.252485000	0.737671000	0.200479000
1	-4.984168000	-3.665515000	-2.577204000	6	-1.155785000	3.349323000	0.552288000
1	-6.318204000	-4.603046000	-0.690885000	7	0.906866000	2.564516000	-0.180272000
7	-1.893606000	-1.131235000	1.685991000	6	0.192146000	3.592790000	0.060101000
7	-0.922678000	-0.471388000	2.094720000	1	-1.785817000	4.186596000	0.890518000
7	-0.036362000	0.091731000	1.330538000	1	0.559876000	4.626731000	-0.060802000
6	0.990359000	0.800266000	2.056173000	6	0.842285000	-0.633523000	0.636654000
1	1.151477000	1.789059000	1.578277000	6	1.772789000	-1.381055000	0.036882000
1	0.625908000	1.003756000	3.080431000	6	2.998930000	-1.870960000	0.689681000
6	2.311159000	0.075298000	2.127055000	6	3.862100000	-2.747975000	0.020370000
6	2.406117000	-1.291208000	1.855914000	6	3.346755000	-1.429788000	1.975867000
6	3.465103000	0.771109000	2.502417000	6	5.039464000	-3.171454000	0.628293000
6	3.634035000	-1.944111000	1.949629000	6	4.522455000	-1.858094000	2.577726000
6	4.689758000	0.119718000	2.599846000	6	5.376809000	-2.731125000	1.905401000
6	4.779809000	-1.242799000	2.316638000	1	3.593260000	-3.085821000	-0.983048000
1	1.505308000	-1.842833000	1.567891000	1	2.673819000	-0.741438000	2.499653000
1	3.397897000	1.843411000	2.718861000	1	5.704235000	-3.857306000	0.095030000
1	3.693924000	-3.016095000	1.738032000	1	4.777456000	-1.506111000	3.581369000
1	5.582683000	0.677990000	2.895434000	1	6.304243000	-3.066463000	2.377539000
1	5.741431000	-1.758005000	2.391958000	7	1.655804000	-1.714642000	-1.340304000
6	-1.626122000	3.086278000	-0.326935000	7	0.616355000	-1.345182000	-1.931364000
1	-2.340263000	3.200083000	-2.372118000	7	-0.259697000	-0.581663000	-1.340609000
1	-1.470824000	4.186967000	-0.226754000	6	-1.526972000	-0.541388000	-2.036082000
6	-2.689658000	2.822464000	-1.396859000	1	-1.908731000	0.498109000	-2.037766000
1	-2.783812000	1.723113000	-1.494807000	1	-1.349263000	-0.811262000	-3.093761000
1	-1.335816000	2.649823000	1.781955000	6	-2.578233000	-1.469522000	-1.467177000
6	-2.115827000	2.527444000	1.010327000	6	-2.307467000	-2.345528000	-0.414767000
1	-2.270950000	1.439973000	0.883093000	6	-3.857142000	-1.475479000	-2.037862000
6	-3.426085000	3.183949000	1.414462000	6	-3.291602000	-3.224370000	0.039260000
1	-3.752215000	2.795028000	2.391709000	6	-4.835401000	-2.354469000	-1.588492000
1	-3.275094000	4.272684000	1.548841000	6	-4.552138000	-3.239792000	-0.548519000
6	-4.019747000	3.447853000	-1.004428000	1	-1.313017000	-2.340745000	0.046365000
1	-4.773119000	3.244820000	-1.782268000	1	-4.078678000	-0.788127000	-2.863101000
1	-3.908804000	4.548888000	-0.967105000	1	-3.061665000	-3.912416000	0.857861000
6	-4.489986000	2.943785000	0.352587000	1	-5.824247000	-2.355107000	-2.055994000
1	-4.691397000	1.858312000	0.286968000	1	-5.317079000	-3.937059000	-0.196215000
1	-5.442335000	3.420191000	0.635281000	6	2.271062000	2.642815000	-0.624513000
6	2.850879000	0.230738000	-1.869375000	1	3.089337000	2.754731000	1.377105000
1	4.420678000	1.434269000	-0.973560000	1	2.557228000	3.697930000	-0.842987000

6	3.170913000	2.099400000	0.493477000	1	1.432778000	0.224908000	-2.243366000
1	2.765758000	1.115364000	0.790360000	1	1.376457000	1.817970000	-3.027610000
1	1.785005000	2.222728000	-2.690565000	6	2.650211000	1.744724000	-1.300611000
6	2.416166000	1.799010000	-1.891841000	6	2.576990000	2.533397000	-0.150240000
1	2.012047000	0.795785000	-1.668578000	6	3.908377000	1.399085000	-1.805345000
6	3.866976000	1.671809000	-2.323382000	6	3.743698000	2.992282000	0.460187000
1	3.927778000	1.057044000	-3.235013000	6	5.071087000	1.857542000	-1.195208000
1	4.271317000	2.667237000	-2.592400000	6	4.991223000	2.666045000	-0.062550000
6	4.613474000	1.941939000	0.042192000	1	1.599619000	2.815029000	0.255300000
1	5.207423000	1.512223000	0.865418000	1	3.973537000	0.776189000	-2.705497000
1	5.054237000	2.934812000	-0.173781000	1	3.671725000	3.622632000	1.350910000
6	4.698594000	1.069434000	-1.201520000	1	6.046788000	1.589754000	-1.611421000
1	4.305568000	0.059808000	-0.966853000	1	5.902784000	3.036586000	0.414014000
1	5.746192000	0.933577000	-1.513447000	6	-2.682754000	-2.217245000	-1.177364000
6	-2.883046000	1.850946000	1.169869000	1	-3.376379000	-2.063791000	0.873835000
1	-3.929954000	2.549775000	-0.590849000	1	-3.248905000	-3.158242000	-1.357143000
1	-3.222282000	2.718931000	1.776778000	6	-3.312755000	-1.426055000	-0.024858000
6	-3.878248000	1.639284000	0.030589000	1	-2.590942000	-0.626083000	0.207344000
1	-3.485239000	0.830606000	-0.610169000	1	-2.225572000	-1.941058000	-3.277686000
1	-2.079746000	0.777937000	2.867851000	6	-2.641090000	-1.357256000	-2.439685000
6	-2.809569000	0.612976000	2.057804000	1	-1.928725000	-0.531593000	-2.238567000
1	-2.408773000	-0.218186000	1.441133000	6	-4.004532000	-0.775175000	-2.775956000
6	-4.182102000	0.232505000	2.587222000	1	-3.935044000	-0.177990000	-3.698784000
1	-4.102565000	-0.662732000	3.223670000	1	-4.720705000	-1.591848000	-2.992571000
1	-4.571455000	1.038983000	3.238581000	6	-4.645280000	-0.783203000	-0.363001000
6	-5.246675000	1.235359000	0.556305000	1	-4.963543000	-0.170529000	0.499671000
1	-5.931624000	1.061821000	-0.289769000	1	-5.423021000	-1.557780000	-0.507527000
1	-5.682448000	2.068570000	1.140958000	6	-4.525311000	0.065938000	-1.619162000
6	-5.142222000	-0.004855000	1.431808000	1	-3.816827000	0.896907000	-1.427316000
1	-4.759134000	-0.843042000	0.818303000	1	-5.491881000	0.529720000	-1.871588000
1	-6.135672000	-0.309313000	1.797614000	6	2.369133000	-2.448633000	0.896439000
P-L1				1	3.105252000	-2.562056000	-1.138074000
7	0.987895000	-2.524038000	0.468704000	1	2.744160000	-3.463493000	1.151883000
29	0.038155000	-0.887936000	-0.037364000	6	3.187210000	-1.886894000	-0.269424000
6	0.416013000	-3.646944000	0.240985000	1	2.717426000	-0.924023000	-0.561398000
7	-1.335947000	-2.487438000	-0.751001000	1	1.887186000	-1.944587000	2.946127000
6	-0.943752000	-3.611943000	-0.303920000	6	2.480053000	-1.532857000	2.112694000
1	0.919150000	-4.605650000	0.444301000	1	2.011756000	-0.565453000	1.834477000
1	-1.570031000	-4.521314000	-0.296049000	6	3.930981000	-1.306041000	2.503055000
6	-0.394443000	0.935747000	-0.344594000	1	3.981304000	-0.645154000	3.382481000
6	-1.380123000	1.853785000	0.055611000	1	4.392718000	-2.263751000	2.812233000
6	-2.385233000	1.747281000	1.107677000	6	4.633428000	-1.639171000	0.126356000
6	-3.532334000	2.556816000	1.077365000	1	5.181287000	-1.209065000	-0.728405000
6	-2.246102000	0.833600000	2.163995000	1	5.127876000	-2.601724000	0.360888000
6	-4.512387000	2.435969000	2.055854000	6	4.702318000	-0.715598000	1.332337000
6	-3.234673000	0.703413000	3.131676000	1	4.245746000	0.255051000	1.058557000
6	-4.375814000	1.503397000	3.083145000	1	5.748048000	-0.506698000	1.608806000
1	-3.632879000	3.281797000	0.264307000	Ac-L2			
1	-1.341159000	0.214162000	2.208023000	7	-1.533938000	-1.705130000	-0.265240000
1	-5.399401000	3.075062000	2.014203000	29	-0.126576000	-0.284250000	0.024678000
1	-3.107739000	-0.018715000	3.943808000	6	-1.011913000	-2.824457000	-0.668345000
1	-5.150089000	1.407116000	3.849129000	7	1.095135000	-1.928173000	-0.196734000
7	-1.313278000	2.972355000	-0.722041000	6	0.417171000	-2.929848000	-0.669268000
7	-0.354576000	2.848823000	-1.565999000	6	-2.899389000	-1.497610000	-0.128385000
7	0.192075000	1.631482000	-1.361500000	6	2.477226000	-1.922877000	-0.086449000
6	1.408791000	1.312927000	-2.047270000	6	-5.187816000	-2.261084000	0.141676000

6	-3.835734000	-2.534221000	-0.005891000	6	5.001089000	-1.188526000	0.212173000
6	-5.631120000	-0.931512000	0.167724000	6	5.570566000	-2.461921000	0.341042000
6	-4.700138000	0.110385000	0.062031000	6	3.460444000	-3.445155000	-0.293177000
6	-3.356607000	-0.166947000	-0.075825000	6	4.785269000	-3.594587000	0.096650000
6	3.124290000	-0.677349000	0.031607000	8	-6.051144000	0.597508000	-1.373218000
6	4.496249000	-0.607087000	0.148442000	6	-7.152418000	-0.223019000	-1.133226000
6	5.267655000	-1.776594000	0.174372000	8	6.857365000	-2.504677000	0.711678000
6	3.255567000	-3.089394000	-0.046207000	6	7.480143000	-3.743539000	0.837832000
6	4.634970000	-3.024037000	0.087020000	1	-1.167742000	-3.301566000	-2.166385000
8	-6.911391000	-0.571941000	0.303510000	1	1.312966000	-3.787576000	-1.839262000
6	-7.886481000	-1.562576000	0.408464000	1	-5.392155000	-2.002786000	-0.947769000
8	6.589165000	-1.613959000	0.298406000	1	-3.081644000	-2.840022000	-1.016882000
6	7.410819000	-2.739367000	0.321169000	1	-3.999035000	1.966661000	-1.884456000
1	-1.619237000	-3.666639000	-1.029672000	1	-1.624242000	1.106579000	-1.921308000
1	0.893320000	-3.828372000	-1.088393000	1	3.230380000	-0.050940000	-0.270190000
1	-5.889994000	-3.089155000	0.255935000	1	5.630480000	-0.318408000	0.413106000
1	-3.503930000	-3.575748000	0.016735000	1	2.852269000	-4.341757000	-0.440956000
1	-5.068899000	1.138050000	0.094274000	1	5.192530000	-4.599698000	0.223009000
1	-2.616264000	0.638341000	-0.161276000	1	-7.263323000	-0.995079000	-1.915106000
1	2.510622000	0.231807000	0.007328000	1	-7.081973000	-0.722643000	-0.150176000
1	5.011084000	0.353184000	0.226554000	1	-8.038835000	0.421485000	-1.143083000
1	2.776225000	-4.071626000	-0.073642000	1	7.470748000	-4.306355000	-0.112572000
1	5.210033000	-3.950508000	0.140152000	1	8.520389000	-3.550955000	1.124273000
1	-7.905942000	-2.213598000	-0.483179000	1	7.006381000	-4.364449000	1.619087000
1	-7.736354000	-2.191826000	1.303321000	6	1.269573000	1.532150000	-0.677213000
1	-8.851876000	-1.051366000	0.494584000	6	1.720393000	2.667926000	-0.496789000
1	7.318655000	-3.332408000	-0.605759000	6	2.224463000	3.980597000	-0.307554000
1	8.442013000	-2.379352000	0.409859000	6	1.995555000	4.675462000	0.897590000
1	7.187228000	-3.392724000	1.182920000	6	2.967045000	4.631206000	-1.313736000
6	0.134389000	1.535082000	-0.001386000	6	2.486866000	5.960411000	1.082697000
6	0.326276000	2.755659000	-0.022980000	6	3.455472000	5.916173000	-1.119070000
6	0.536147000	4.157241000	-0.035740000	6	3.219555000	6.589997000	0.077870000
6	0.736344000	4.874359000	1.161800000	1	1.420852000	4.177989000	1.684438000
6	0.551388000	4.879961000	-1.246510000	1	3.150857000	4.103036000	-2.253144000
6	0.939868000	6.247166000	1.144386000	1	2.295934000	6.479934000	2.026432000
6	0.758514000	6.252451000	-1.254050000	1	4.029346000	6.401058000	-1.914436000
6	0.953412000	6.946522000	-0.061234000	1	3.605371000	7.602036000	0.226971000
1	0.726641000	4.326063000	2.107524000	7	0.032615000	1.844366000	2.404945000
1	0.396798000	4.336325000	-2.182329000	7	-0.293167000	0.872843000	1.934730000
1	1.091577000	6.781436000	2.087012000	7	-0.512444000	-0.114433000	1.222453000
1	0.766900000	6.790799000	-2.206486000	6	-1.355889000	-1.167973000	1.760347000
1	1.115007000	8.027674000	-0.071160000	1	-1.244351000	-2.009136000	1.052768000
RC-L2				1	-0.955671000	-1.533046000	2.725735000
7	-0.880783000	-1.325219000	-1.491852000	6	-2.816650000	-0.814300000	1.910020000
29	0.513495000	-0.171558000	-0.662977000	6	-3.323725000	0.441739000	1.581558000
6	-0.493280000	-2.546373000	-1.737441000	6	-3.694306000	-1.796243000	2.384071000
7	1.557938000	-1.972074000	-0.789523000	6	-4.683069000	0.714545000	1.730816000
6	0.871598000	-2.854081000	-1.460970000	6	-5.049153000	-1.527167000	2.527448000
6	-2.208950000	-0.923918000	-1.516517000	6	-5.548283000	-0.264735000	2.204623000
6	2.885702000	-2.173546000	-0.435538000	1	-2.663554000	1.216960000	1.180987000
6	-4.583221000	-1.316243000	-1.206362000	1	-3.304100000	-2.786167000	2.645810000
6	-3.278669000	-1.788653000	-1.252963000	1	-5.066784000	1.702456000	1.459489000
6	-4.835101000	0.041496000	-1.437233000	1	-5.720742000	-2.303182000	2.905568000
6	-3.771386000	0.911698000	-1.713603000	1	-6.611930000	-0.044544000	2.333827000
6	-2.475358000	0.440322000	-1.734175000	TS1-L2			
6	3.680279000	-1.044701000	-0.157901000	7	-1.090087000	-1.617401000	-1.320756000

29	0.259526000	-0.305386000	-0.772424000	6	-3.022416000	0.934470000	1.313128000
6	-0.741842000	-2.872627000	-1.265010000	6	-3.526077000	-0.969393000	2.693571000
7	1.353836000	-2.167012000	-0.552608000	6	-4.347191000	1.355242000	1.420043000
6	0.624250000	-3.161179000	-0.955956000	6	-4.847495000	-0.552457000	2.799364000
6	-2.416727000	-1.203730000	-1.384486000	6	-5.262339000	0.618890000	2.164832000
6	2.694679000	-2.256598000	-0.226444000	1	-2.310676000	1.513796000	0.715489000
6	-4.756278000	-1.423190000	-0.788668000	1	-3.200265000	-1.883321000	3.203588000
6	-3.464555000	-1.930015000	-0.807902000	1	-4.666802000	2.267829000	0.907545000
6	-5.018174000	-0.175268000	-1.365781000	1	-5.556739000	-1.135824000	3.394069000
6	-3.977683000	0.548353000	-1.965457000	1	-6.296283000	0.962789000	2.263670000
6	-2.692102000	0.051117000	-1.955764000	IC-L2			
6	3.235428000	-1.202972000	0.536831000	7	-1.484505000	-1.118936000	-0.996346000
6	4.555551000	-1.223125000	0.930983000	29	0.006071000	0.067038000	-0.472612000
6	5.387688000	-2.287592000	0.556892000	6	-1.194299000	-2.373855000	-1.171006000
6	3.538225000	-3.309528000	-0.607186000	7	1.064304000	-1.905542000	-0.777679000
6	4.871905000	-3.331249000	-0.223169000	6	0.168731000	-2.799821000	-1.032633000
8	-6.217791000	0.416311000	-1.353777000	6	-2.785727000	-0.624835000	-1.097818000
6	-7.294824000	-0.263117000	-0.785314000	6	2.410232000	-2.172264000	-0.619848000
8	6.656944000	-2.221030000	0.973742000	6	-5.199403000	-0.866748000	-1.127286000
6	7.538515000	-3.242455000	0.625616000	6	-3.932093000	-1.423423000	-1.021392000
1	-1.462388000	-3.682368000	-1.447356000	6	-5.341755000	0.514191000	-1.303168000
1	0.994661000	-4.194761000	-1.033833000	6	-4.199577000	1.324266000	-1.366464000
1	-5.541580000	-1.982917000	-0.276778000	6	-2.945232000	0.763851000	-1.258403000
1	-3.252307000	-2.873718000	-0.294381000	6	3.193600000	-1.203693000	0.040286000
1	-4.211834000	1.521791000	-2.402628000	6	4.540994000	-1.409085000	0.245738000
1	-1.857673000	0.618594000	-2.383173000	6	5.160101000	-2.575101000	-0.224252000
1	2.575764000	-0.370619000	0.809182000	6	3.042709000	-3.331184000	-1.097339000
1	4.986305000	-0.415257000	1.526703000	6	4.401678000	-3.534375000	-0.909821000
1	3.158763000	-4.115876000	-1.240915000	8	-6.519132000	1.141015000	-1.407853000
1	5.508485000	-4.156513000	-0.548137000	6	-7.691072000	0.388890000	-1.354614000
1	-7.493604000	-1.217559000	-1.304310000	8	6.471490000	-2.686005000	0.009837000
1	-7.124720000	-0.470919000	0.286255000	6	7.145362000	-3.823535000	-0.431075000
1	-8.171724000	0.386116000	-0.888555000	1	-1.957244000	-3.113436000	-1.447826000
1	7.658776000	-3.324644000	-0.469007000	1	0.394403000	-3.874209000	-1.131568000
1	8.508518000	-2.991337000	1.069430000	1	-6.073219000	-1.515306000	-1.039748000
1	7.209083000	-4.220226000	1.019335000	1	-3.847880000	-2.495128000	-0.822792000
6	1.165069000	1.269531000	-0.952714000	1	-4.334686000	2.399966000	-1.499143000
6	1.554095000	2.324933000	-0.366649000	1	-2.045572000	1.389809000	-1.303372000
6	2.275055000	3.568359000	-0.360349000	1	2.706090000	-0.292300000	0.400850000
6	2.078911000	4.577629000	0.595713000	1	5.154882000	-0.671409000	0.767244000
6	3.219482000	3.790443000	-1.382237000	1	2.473236000	-4.073940000	-1.662647000
6	2.803943000	5.761950000	0.526509000	1	4.868130000	-4.435112000	-1.313639000
6	3.936063000	4.976242000	-1.443530000	1	-7.736151000	-0.357196000	-2.167469000
6	3.734327000	5.970654000	-0.487658000	1	-7.798059000	-0.134989000	-0.388309000
1	1.349349000	4.425038000	1.391822000	1	-8.525605000	1.089630000	-1.470466000
1	3.377122000	3.004797000	-2.126542000	1	7.104525000	-3.923687000	-1.529995000
1	2.635421000	6.537465000	1.279364000	1	8.191814000	-3.712284000	-0.125542000
1	4.664018000	5.126103000	-2.246056000	1	6.736997000	-4.743256000	0.023578000
1	4.300356000	6.904858000	-0.534508000	6	0.937038000	1.594292000	-0.523806000
7	0.816416000	2.106227000	1.449920000	6	1.603278000	2.351772000	0.335853000
7	0.140098000	1.172902000	1.693709000	6	2.342506000	3.590063000	0.042917000
7	-0.274003000	0.117248000	1.096726000	6	2.965610000	4.318952000	1.062452000
6	-1.167872000	-0.718492000	1.864243000	6	2.432182000	4.059548000	-1.276262000
1	-1.151400000	-1.712543000	1.376842000	6	3.659245000	5.487884000	0.764371000
1	-0.775516000	-0.883141000	2.885534000	6	3.123983000	5.226271000	-1.567101000
6	-2.597013000	-0.229399000	1.953046000	6	3.742770000	5.948098000	-0.546462000

1	2.895549000	3.952683000	2.088891000	1	-8.314038000	-2.035786000	-0.163050000
1	1.948697000	3.486830000	-2.074803000	1	7.980798000	-1.771296000	-1.135036000
1	4.141318000	6.048410000	1.570748000	1	8.894280000	-0.765402000	0.029294000
1	3.184424000	5.577690000	-2.601085000	1	7.724752000	-1.978481000	0.629121000
1	4.288959000	6.867375000	-0.775078000	6	0.045901000	1.944534000	-0.259906000
7	1.656730000	1.959489000	1.725083000	6	-0.155774000	2.968043000	0.572061000
7	1.040075000	0.974092000	2.167810000	6	-0.574438000	4.315115000	0.148047000
7	0.317794000	0.172088000	1.447787000	6	-0.877645000	5.295277000	1.101059000
6	-0.286369000	-0.915953000	2.183467000	6	-0.680613000	4.639430000	-1.212891000
1	0.055855000	-1.884223000	1.763914000	6	-1.278956000	6.564673000	0.697272000
1	0.081916000	-0.880413000	3.225167000	6	-1.083307000	5.906921000	-1.609013000
6	-1.794392000	-0.889138000	2.173077000	6	-1.385316000	6.878093000	-0.654778000
6	-2.495659000	0.314925000	2.083548000	1	-0.791285000	5.041290000	2.159744000
6	-2.514824000	-2.081706000	2.288132000	1	-0.435444000	3.877700000	-1.960502000
6	-3.887737000	0.326951000	2.132897000	1	-1.512053000	7.321159000	1.452401000
6	-3.904830000	-2.071001000	2.349518000	1	-1.159464000	6.143121000	-2.674241000
6	-4.595605000	-0.862724000	2.276136000	1	-1.700509000	7.877532000	-0.966889000
1	-1.936149000	1.249265000	1.965271000	7	0.013160000	2.799634000	1.969651000
1	-1.969598000	-3.031725000	2.343865000	7	0.417120000	1.679548000	2.356995000
1	-4.424327000	1.277920000	2.058337000	7	0.658620000	0.732415000	1.501769000
1	-4.454009000	-3.011715000	2.453242000	6	1.205489000	-0.475062000	2.098707000
1	-5.688679000	-0.850865000	2.317817000	1	2.201098000	-0.695439000	1.668663000
TS2-L2				1	1.361038000	-0.277184000	3.174731000
7	-1.018874000	-1.377906000	-1.130366000	6	0.306644000	-1.669024000	1.907252000
29	0.192395000	0.164272000	-0.476438000	6	-1.074420000	-1.542035000	2.095036000
6	-0.336482000	-2.320699000	-1.706877000	6	0.826556000	-2.907672000	1.529335000
7	1.608809000	-1.173670000	-1.111864000	6	-1.915945000	-2.631476000	1.906783000
6	1.089436000	-2.211088000	-1.693052000	6	-0.014587000	-4.000335000	1.334075000
6	-2.399449000	-1.405738000	-0.991466000	6	-1.389626000	-3.862567000	1.517271000
6	2.971982000	-1.006966000	-0.916054000	1	-1.484490000	-0.562498000	2.368084000
6	-4.551519000	-2.531287000	-0.950560000	1	1.907995000	-3.000919000	1.362636000
6	-3.185699000	-2.548397000	-1.195143000	1	-2.997963000	-2.511797000	2.032295000
6	-5.163463000	-1.357116000	-0.491142000	1	0.403178000	-4.965865000	1.032998000
6	-4.384755000	-0.211569000	-0.277172000	1	-2.053139000	-4.718466000	1.360928000
6	-3.027778000	-0.238227000	-0.521025000	P-L2			
6	3.443324000	0.295262000	-0.660494000	7	1.434493000	-2.129131000	-0.425185000
6	4.783132000	0.524427000	-0.430250000	29	-0.042705000	-0.588351000	-0.222277000
6	5.694854000	-0.540703000	-0.426192000	6	0.956622000	-3.240448000	0.045850000
6	3.885957000	-2.069245000	-0.888886000	7	-1.123856000	-2.188274000	0.197692000
6	5.235054000	-1.845231000	-0.646811000	6	-0.460953000	-3.306470000	0.243857000
8	-6.469158000	-1.245710000	-0.226557000	6	2.778983000	-1.834250000	-0.544800000
6	-7.297432000	-2.348873000	-0.426197000	6	-2.509841000	-2.099929000	0.241853000
8	6.972343000	-0.226038000	-0.187363000	6	5.115685000	-2.078349000	0.054142000
6	7.927090000	-1.241279000	-0.167766000	6	3.803206000	-2.514955000	0.131213000
1	-0.803044000	-3.182166000	-2.203709000	6	5.428335000	-0.944469000	-0.712380000
1	1.700119000	-2.991539000	-2.169856000	6	4.419545000	-0.282656000	-1.424810000
1	-5.131781000	-3.443287000	-1.104003000	6	3.116476000	-0.713239000	-1.328858000
1	-2.725078000	-3.490862000	-1.502182000	6	-3.063236000	-0.854465000	0.592686000
1	-4.881450000	0.691244000	0.085395000	6	-4.428016000	-0.663539000	0.631589000
1	-2.408831000	0.651558000	-0.353029000	6	-5.288522000	-1.724013000	0.315634000
1	2.718003000	1.118233000	-0.653826000	6	-3.377615000	-3.150873000	-0.082350000
1	5.164329000	1.530108000	-0.239030000	6	-4.753213000	-2.969953000	-0.045077000
1	3.535387000	-3.097333000	-1.019643000	8	6.650091000	-0.417076000	-0.796769000
1	5.919143000	-2.695316000	-0.612092000	6	7.667392000	-0.934200000	0.003519000
1	-7.288116000	-2.682408000	-1.478756000	8	-6.598052000	-1.463869000	0.371932000
1	-7.009488000	-3.199080000	0.216998000	6	-7.506397000	-2.479696000	0.078393000

1	1.581202000	-4.111981000	0.292203000	6	1.969039000	3.944135000	-0.033236000
1	-0.947854000	-4.268504000	0.457385000	6	2.502539000	4.484194000	1.155447000
1	5.888035000	-2.600043000	0.622461000	6	2.191116000	4.649847000	-1.233860000
1	3.567166000	-3.366638000	0.775222000	6	3.220383000	5.671838000	1.139585000
1	4.690065000	0.606466000	-1.999007000	6	2.915051000	5.834089000	-1.240854000
1	2.304741000	-0.167296000	-1.822280000	6	3.433961000	6.354736000	-0.056632000
1	-2.376113000	-0.039804000	0.851859000	1	2.336819000	3.947611000	2.093431000
1	-4.856378000	0.306085000	0.905825000	1	1.781250000	4.243902000	-2.162537000
1	-2.977400000	-4.114042000	-0.411484000	1	3.622250000	6.071509000	2.075427000
1	-5.406175000	-3.799385000	-0.323602000	1	3.075670000	6.362110000	-2.185524000
1	7.398710000	-0.886879000	1.074153000	1	4.001663000	7.288926000	-0.065779000
1	7.906740000	-1.979887000	-0.258123000	6	2.004401000	-2.184527000	-0.062816000
1	8.555161000	-0.315598000	-0.169458000	6	2.509239000	-2.838681000	-1.356802000
1	-7.396091000	-3.338179000	0.764007000	1	1.975709000	-3.786345000	-1.553180000
1	-8.509117000	-2.055272000	0.201432000	1	2.305679000	-2.161867000	-2.207215000
1	-7.397723000	-2.839345000	-0.959923000	1	1.861057000	-2.699163000	2.038000000
6	0.249552000	1.274872000	-0.398537000	6	2.247395000	-3.154458000	1.108545000
6	1.306160000	2.144870000	-0.086050000	1	1.666817000	-4.080673000	0.930802000
6	2.558971000	1.855340000	0.600758000	1	4.354296000	-3.599703000	-2.177596000
6	3.689090000	2.658729000	0.379761000	6	4.006428000	-3.135500000	-1.238155000
6	2.684060000	0.760564000	1.470534000	6	4.232134000	-4.101956000	-0.073737000
6	4.904726000	2.358116000	0.982892000	1	3.698363000	-5.052319000	-0.258363000
6	3.900892000	0.461591000	2.071771000	1	3.894108000	-4.161846000	2.066785000
6	5.020838000	1.256084000	1.829357000	1	5.305388000	-4.349064000	0.010037000
1	3.587695000	3.520600000	-0.286040000	6	3.739450000	-3.463147000	1.225765000
1	1.801492000	0.140927000	1.674134000	6	4.510773000	-2.166617000	1.479606000
1	5.774719000	2.993722000	0.792650000	1	4.176852000	-1.704220000	2.425459000
1	3.974909000	-0.397857000	2.746017000	1	5.587702000	-2.386131000	1.591731000
1	5.975312000	1.030196000	2.315445000	6	4.777481000	-1.840014000	-0.984163000
7	1.044486000	3.388232000	-0.575626000	1	4.636039000	-1.140634000	-1.827101000
7	-0.100567000	3.381671000	-1.159238000	6	4.283638000	-1.202292000	0.314790000
7	-0.582179000	2.126399000	-1.066481000	1	4.827388000	-0.260415000	0.498695000
6	-1.897387000	1.863652000	-1.575679000	6	2.794011000	-0.896715000	0.188841000
1	-1.993218000	2.329462000	-2.570354000	1	2.400891000	-0.413053000	1.101741000
1	-1.980597000	0.769394000	-1.719713000	1	2.601705000	-0.184478000	-0.633620000
6	-3.010344000	2.345100000	-0.678695000	6	-3.294188000	-0.540576000	-0.061040000
6	-2.787645000	2.657383000	0.663867000	6	-4.102764000	-1.417689000	0.906374000
6	-4.305996000	2.449181000	-1.191889000	1	-4.142468000	-2.458418000	0.535037000
6	-3.846919000	3.053608000	1.477821000	1	-3.591306000	-1.439289000	1.886232000
6	-5.362145000	2.851890000	-0.381818000	1	-3.386613000	0.074258000	-2.133007000
6	-5.136035000	3.153313000	0.959701000	6	-3.984994000	-0.537038000	-1.433335000
1	-1.772099000	2.595492000	1.071649000	1	-4.010312000	-1.567528000	-1.836014000
1	-4.485071000	2.218015000	-2.247590000	1	-6.091523000	-1.505578000	1.739247000
1	-3.658740000	3.299745000	2.526658000	6	-5.522415000	-0.864652000	1.043409000
1	-6.368658000	2.936006000	-0.801007000	6	-6.198595000	-0.867148000	-0.329043000
1	-5.962825000	3.475316000	1.598540000	1	-6.263950000	-1.899268000	-0.719344000
Ac-L3				1	-5.888683000	0.009491000	-2.287263000
7	-1.918234000	-1.017384000	-0.206922000	1	-7.233916000	-0.492857000	-0.240790000
29	-0.300375000	0.069913000	0.070324000	6	-5.404159000	0.013478000	-1.295330000
6	-1.673594000	-2.235460000	-0.539835000	6	-5.347417000	1.442811000	-0.753142000
7	0.584176000	-1.855873000	-0.072715000	1	-4.790503000	2.092884000	-1.450813000
6	-0.281151000	-2.642396000	-0.604236000	1	-6.368777000	1.855958000	-0.674264000
1	-2.466946000	-2.959138000	-0.784128000	6	-5.466665000	0.564564000	1.584265000
1	-0.024933000	-3.594432000	-1.094825000	1	-4.996653000	0.575224000	2.583884000
6	0.594136000	1.676067000	0.005513000	6	-4.670509000	1.443333000	0.618770000
6	1.237690000	2.730552000	-0.020396000	1	-4.618720000	2.474340000	1.007454000

6	-3.252885000	0.890925000	0.478083000	6	5.468179000	-0.901758000	1.002135000
1	-2.646588000	1.513926000	-0.205326000	6	5.571833000	0.619251000	0.876894000
1	-2.724945000	0.893640000	1.450680000	1	5.003078000	1.107323000	1.688688000
1	-6.490390000	0.960956000	1.707054000	1	6.624602000	0.934836000	0.988347000
1	5.859669000	-2.053207000	-0.921225000	6	5.837978000	0.400839000	-1.598509000
RC-L3				1	5.464384000	0.730001000	-2.584285000
7	-0.571581000	-1.779944000	-0.597177000	6	5.027026000	1.059619000	-0.482901000
29	0.529862000	0.037624000	-0.490458000	1	5.092053000	2.157133000	-0.572383000
6	0.254069000	-2.763333000	-0.705246000	6	3.563944000	0.636324000	-0.597506000
7	2.027206000	-1.250561000	-0.619698000	1	2.959718000	1.120563000	0.189301000
6	1.661716000	-2.486321000	-0.534586000	1	3.123651000	0.951246000	-1.561162000
1	-0.055236000	-3.786184000	-0.970986000	6	-1.983571000	-1.978186000	-0.934208000
1	2.375227000	-3.314281000	-0.399560000	6	-2.690057000	-2.686917000	0.234288000
6	-0.186390000	1.734052000	-0.800975000	1	-2.221429000	-3.679042000	0.388078000
6	-0.664683000	2.874340000	-0.778747000	1	-2.541924000	-2.103622000	1.160238000
6	-1.200276000	4.187973000	-0.777189000	1	-1.649389000	-2.327308000	-3.046134000
6	-1.075447000	5.020155000	0.354291000	6	-2.183800000	-2.815163000	-2.209804000
6	-1.875508000	4.703035000	-1.902666000	1	-1.754490000	-3.825895000	-2.089842000
6	-1.602539000	6.304272000	0.355402000	1	-4.669187000	-3.345993000	0.774683000
6	-2.400321000	5.988251000	-1.891743000	6	-4.180042000	-2.837889000	-0.075407000
6	-2.268931000	6.797912000	-0.764947000	6	-4.361081000	-3.664661000	-1.349041000
1	-0.549051000	4.631784000	1.231182000	1	-3.933078000	-4.675019000	-1.213436000
1	-1.976666000	4.069210000	-2.787701000	1	-3.794414000	-3.557396000	-3.437680000
1	-1.491163000	6.931679000	1.244783000	1	-5.436262000	-3.798419000	-1.564571000
1	-2.919778000	6.365948000	-2.777530000	6	-3.675908000	-2.955688000	-2.519292000
1	-2.682815000	7.809793000	-0.760499000	6	-4.299039000	-1.575183000	-2.720621000
7	1.018043000	2.576571000	2.301018000	1	-3.823898000	-1.064099000	-3.576788000
7	1.009277000	1.466091000	2.105215000	1	-5.372548000	-1.677509000	-2.961499000
7	1.054005000	0.309852000	1.675457000	6	-4.801719000	-1.455153000	-0.277335000
6	0.558638000	-0.756868000	2.526712000	1	-4.691730000	-0.855947000	0.643691000
1	0.767733000	-1.683440000	1.959774000	6	-4.114197000	-0.750554000	-1.447523000
1	1.151106000	-0.825713000	3.459881000	1	-4.550276000	0.253475000	-1.585632000
6	-0.912093000	-0.667180000	2.847168000	6	-2.623886000	-0.604889000	-1.149694000
6	-1.737467000	0.305902000	2.279459000	1	-2.099319000	-0.086103000	-1.972348000
6	-1.465384000	-1.603055000	3.727424000	1	-2.456064000	0.012593000	-0.250754000
6	-3.095423000	0.336617000	2.595230000	1	-5.884803000	-1.554501000	-0.473008000
6	-2.821707000	-1.578038000	4.027594000	1	6.896888000	0.709376000	-1.536473000
6	-3.643026000	-0.603692000	3.460940000	TS1-L3			
1	-1.342576000	1.035625000	1.560737000	7	-1.552684000	-1.013209000	-0.860656000
1	-0.820895000	-2.365052000	4.179470000	29	0.048700000	0.080631000	-0.464807000
1	-3.729841000	1.105937000	2.144912000	6	-1.344661000	-2.282347000	-0.931477000
1	-3.241124000	-2.318884000	4.713817000	7	0.940701000	-1.864267000	-0.738075000
1	-4.709329000	-0.576620000	3.701651000	6	0.018037000	-2.753089000	-0.751744000
6	3.437148000	-0.884512000	-0.470428000	1	-2.147488000	-3.004415000	-1.146681000
6	4.263821000	-1.540005000	-1.591088000	1	0.204692000	-3.835736000	-0.640447000
1	4.180654000	-2.640645000	-1.521586000	6	0.912966000	1.684126000	-0.697431000
1	3.841485000	-1.241082000	-2.567533000	6	1.614977000	2.591686000	-0.159479000
1	3.396705000	-0.871942000	1.690862000	6	2.361578000	3.816784000	-0.173803000
6	4.003210000	-1.328055000	0.886859000	6	2.579986000	4.597635000	0.973152000
1	3.919639000	-2.426876000	0.988350000	6	2.881223000	4.273644000	-1.401051000
1	6.304967000	-1.602558000	-2.282962000	6	3.290463000	5.789160000	0.889307000
6	5.729183000	-1.119156000	-1.474359000	6	3.586758000	5.465960000	-1.474880000
6	6.276376000	-1.562063000	-0.116290000	6	3.797953000	6.231527000	-0.329396000
1	6.224944000	-2.662497000	-0.024784000	1	2.181499000	4.260099000	1.930978000
1	5.860483000	-1.222863000	1.983106000	1	2.716777000	3.667286000	-2.296155000
1	7.341565000	-1.283505000	-0.028570000	1	3.447434000	6.384636000	1.793396000

1	3.980440000	5.801167000	-2.438811000	6	-4.656848000	-0.186428000	-2.899807000
1	4.355687000	7.170047000	-0.387654000	6	-4.584907000	1.332444000	-2.734758000
7	1.802611000	1.882613000	1.718951000	1	-3.849101000	1.757215000	-3.440514000
7	1.207240000	0.916339000	2.032552000	1	-5.563187000	1.783896000	-2.979048000
7	0.455241000	0.040606000	1.477723000	6	-5.230396000	1.101568000	-0.331367000
6	-0.165738000	-0.923016000	2.352058000	1	-4.958309000	1.351268000	0.710054000
1	-0.166441000	-1.901897000	1.833706000	6	-4.189460000	1.669794000	-1.296517000
1	0.442848000	-1.062553000	3.265489000	1	-4.125495000	2.764568000	-1.175257000
6	-1.586032000	-0.580703000	2.731216000	6	-2.825626000	1.053352000	-0.993586000
6	-2.064590000	0.728666000	2.655560000	1	-2.047974000	1.452804000	-1.670265000
6	-2.438457000	-1.586406000	3.197499000	1	-2.499003000	1.291932000	0.035861000
6	-3.370313000	1.024131000	3.042903000	1	-6.220265000	1.552033000	-0.526603000
6	-3.740662000	-1.292183000	3.586269000	1	6.192776000	-2.481074000	-1.339896000
6	-4.212686000	0.017366000	3.507256000	IC-L3			
1	-1.409098000	1.522157000	2.281197000	7	-1.588894000	-1.012125000	-0.765746000
1	-2.070807000	-2.617300000	3.254400000	29	-0.037559000	0.143389000	-0.390915000
1	-3.731982000	2.055025000	2.981924000	6	-1.337350000	-2.272425000	-0.825732000
1	-4.395365000	-2.089625000	3.948958000	7	0.949514000	-1.805905000	-0.758334000
1	-5.236360000	0.252249000	3.811495000	6	0.040421000	-2.701892000	-0.652407000
6	2.336922000	-2.215823000	-0.518067000	1	-2.120660000	-3.021194000	-1.021195000
6	2.816988000	-3.206039000	-1.592458000	1	0.246976000	-3.766150000	-0.441750000
1	2.215576000	-4.133087000	-1.544930000	6	0.866191000	1.690324000	-0.499271000
1	2.650602000	-2.758350000	-2.589154000	6	1.692779000	2.377432000	0.277429000
1	2.194358000	-2.120330000	1.632830000	6	2.375262000	3.638858000	-0.051713000
6	2.536933000	-2.844545000	0.870581000	6	3.226545000	4.264790000	0.866243000
1	1.914897000	-3.755910000	0.965605000	6	2.176873000	4.236417000	-1.305752000
1	4.621278000	-4.244093000	-2.156323000	6	3.861010000	5.457669000	0.532696000
6	4.294365000	-3.532437000	-1.377840000	6	2.810599000	5.426514000	-1.631813000
6	4.474469000	-4.163131000	0.004358000	6	3.658307000	6.044800000	-0.712728000
1	3.895490000	-5.102504000	0.072402000	1	3.381030000	3.800510000	1.842578000
1	4.140431000	-3.633915000	2.079351000	1	1.512472000	3.746310000	-2.025337000
1	5.534574000	-4.428836000	0.164157000	1	4.523822000	5.936297000	1.259605000
6	4.014375000	-3.179085000	1.081053000	1	2.644017000	5.878595000	-2.613730000
6	4.843401000	-1.896731000	0.988336000	1	4.158692000	6.982601000	-0.969112000
1	4.531530000	-1.184355000	1.772793000	7	2.019270000	1.861843000	1.585034000
1	5.909766000	-2.124931000	1.165302000	7	1.441371000	0.880372000	2.083354000
6	5.120445000	-2.248852000	-1.469409000	7	0.551830000	0.154858000	1.466467000
1	5.008599000	-1.796587000	-2.470968000	6	-0.091547000	-0.821089000	2.309909000
6	4.656678000	-1.266563000	-0.393244000	1	-0.105869000	-1.806880000	1.800723000
1	5.243971000	-0.335214000	-0.458567000	1	0.518829000	-0.955017000	3.223019000
6	3.178854000	-0.939916000	-0.596505000	6	-1.505040000	-0.465619000	2.700613000
1	2.828682000	-0.230319000	0.175161000	6	-1.986123000	0.841150000	2.598921000
1	2.998638000	-0.447997000	-1.569675000	6	-2.344310000	-1.455522000	3.222745000
6	-2.883493000	-0.467087000	-1.147454000	6	-3.281289000	1.148737000	3.012619000
6	-3.938044000	-1.028686000	-0.183693000	6	-3.633362000	-1.148046000	3.643727000
1	-3.987545000	-2.129901000	-0.277516000	6	-4.108698000	0.158520000	3.536286000
1	-3.635768000	-0.796901000	0.851948000	1	-1.334171000	1.620198000	2.188297000
1	-2.517355000	-0.417744000	-3.281181000	1	-1.973142000	-2.483653000	3.304721000
6	-3.291267000	-0.802191000	-2.591756000	1	-3.644453000	2.177910000	2.931561000
1	-3.332681000	-1.899794000	-2.723872000	1	-4.275011000	-1.932442000	4.055162000
1	-6.048417000	-0.831938000	0.204948000	1	-5.121936000	0.404230000	3.866064000
6	-5.303764000	-0.416559000	-0.496988000	6	2.354057000	-2.135884000	-0.548166000
6	-5.698391000	-0.756974000	-1.934936000	6	2.807240000	-3.157061000	-1.606766000
1	-5.773729000	-1.852744000	-2.060537000	1	2.208965000	-4.082766000	-1.510956000
1	-4.935557000	-0.436103000	-3.938661000	1	2.608546000	-2.741301000	-2.611397000
1	-6.694907000	-0.339436000	-2.164705000	1	2.280739000	-1.969087000	1.602355000

6	2.599263000	-2.718167000	0.853579000	6	3.519310000	4.041891000	0.491930000
1	1.988485000	-3.629565000	1.001880000	6	1.772416000	4.219794000	-1.163560000
1	4.596972000	-4.205793000	-2.192550000	6	4.104751000	5.197236000	-0.016314000
6	4.291531000	-3.471131000	-1.426739000	6	2.362543000	5.369972000	-1.667063000
6	4.516297000	-4.056557000	-0.031404000	6	3.534027000	5.865779000	-1.095672000
1	3.944098000	-4.995585000	0.083770000	1	3.960932000	3.513426000	1.339699000
1	4.242879000	-3.462829000	2.034950000	1	0.846727000	3.834740000	-1.603527000
1	5.581977000	-4.313323000	0.103921000	1	5.021740000	5.581409000	0.440089000
6	4.084448000	-3.040611000	1.027152000	1	1.902146000	5.890617000	-2.511546000
6	4.901936000	-1.757373000	0.869877000	1	3.997679000	6.774195000	-1.489778000
1	4.604642000	-1.021372000	1.638100000	7	2.303254000	1.784374000	1.620688000
1	5.974531000	-1.972653000	1.023568000	7	1.726075000	0.795162000	2.133233000
6	5.108017000	-2.187643000	-1.583980000	7	0.673978000	0.288793000	1.545791000
1	4.963957000	-1.767871000	-2.595631000	6	-0.045183000	-0.674326000	2.347316000
6	4.671408000	-1.174745000	-0.525675000	1	-0.099555000	-1.654400000	1.824752000
1	5.250526000	-0.242811000	-0.638446000	1	0.537889000	-0.852322000	3.271067000
6	3.186033000	-0.860313000	-0.691252000	6	-1.447290000	-0.250931000	2.711053000
1	2.864416000	-0.138417000	0.078834000	6	-1.911929000	1.045944000	2.486148000
1	2.972097000	-0.396564000	-1.671378000	6	-2.294849000	-1.174510000	3.333069000
6	-2.934467000	-0.511831000	-1.075204000	6	-3.199515000	1.408755000	2.879626000
6	-3.967580000	-1.053164000	-0.078792000	6	-3.575432000	-0.809941000	3.733253000
1	-3.983471000	-2.158899000	-0.117795000	6	-4.034773000	0.486766000	3.504468000
1	-3.666845000	-0.760733000	0.941291000	1	-1.253603000	1.771569000	1.995030000
1	-2.577873000	-0.554212000	-3.210875000	1	-1.936001000	-2.194331000	3.513714000
6	-3.338211000	-0.925558000	-2.499300000	1	-3.549598000	2.430255000	2.701404000
1	-3.352824000	-2.028379000	-2.581285000	1	-4.221712000	-1.541880000	4.226021000
1	-6.080604000	-0.894847000	0.310133000	1	-5.040928000	0.777624000	3.818989000
6	-5.350526000	-0.494484000	-0.415080000	6	2.337128000	-2.101963000	-0.533482000
6	-5.742364000	-0.913702000	-1.832629000	6	2.796851000	-3.202217000	-1.505946000
1	-5.788836000	-2.015778000	-1.905145000	1	2.236055000	-4.135957000	-1.313527000
1	-4.996926000	-0.669839000	-3.854024000	1	2.564026000	-2.886774000	-2.539573000
1	-6.750784000	-0.534610000	-2.076258000	1	2.302841000	-1.760275000	1.602845000
6	-4.721323000	-0.362451000	-2.830047000	6	2.629297000	-2.553705000	0.906957000
6	-4.690342000	1.163823000	-2.738553000	1	2.052805000	-3.471005000	1.137251000
1	-3.970939000	1.574548000	-3.469215000	1	4.605948000	-4.245898000	-2.038670000
1	-5.681891000	1.576553000	-2.996943000	6	4.295773000	-3.453265000	-1.335098000
6	-5.315150000	1.031292000	-0.321044000	6	4.573960000	-3.900139000	0.101276000
1	-5.040965000	1.335973000	0.705391000	1	4.040108000	-4.843965000	0.317129000
6	-4.296603000	1.580026000	-1.321104000	1	4.321996000	-3.128902000	2.111209000
1	-4.261023000	2.680582000	-1.251960000	1	5.651484000	-4.106056000	0.229641000
6	-2.914683000	1.015463000	-0.995582000	6	4.127983000	-2.807165000	1.073147000
1	-2.152468000	1.402064000	-1.697663000	6	4.889535000	-1.511763000	0.783690000
1	-2.593446000	1.315045000	0.019336000	1	4.561010000	-0.717316000	1.479184000
1	-6.317290000	1.447503000	-0.528396000	1	5.971313000	-1.664790000	0.946364000
1	6.184853000	-2.411191000	-1.479481000	6	5.070300000	-2.167697000	-1.627498000
TS2-L3				1	4.894908000	-1.846374000	-2.669934000
7	-1.627220000	-1.098990000	-0.698146000	6	4.622915000	-1.074613000	-0.657558000
29	-0.038565000	0.041020000	-0.366530000	1	5.168692000	-0.139555000	-0.867960000
6	-1.351506000	-2.355349000	-0.745143000	6	3.126526000	-0.824392000	-0.820397000
7	0.917225000	-1.817001000	-0.728106000	1	2.798918000	-0.041298000	-0.117956000
6	0.036663000	-2.740986000	-0.571939000	1	2.879961000	-0.470413000	-1.838103000
1	-2.113628000	-3.125258000	-0.942150000	6	-2.969238000	-0.616134000	-1.038168000
1	0.287216000	-3.788821000	-0.336861000	6	-3.984059000	-1.062346000	0.022420000
6	0.693813000	1.685364000	-0.147825000	1	-4.006227000	-2.168250000	0.069918000
6	1.720875000	2.309881000	0.444189000	1	-3.655012000	-0.693576000	1.008537000
6	2.344315000	3.537034000	-0.079364000	1	-2.665394000	-0.839999000	-3.171282000

6	-3.412012000	-1.140644000	-2.413102000	1	4.215801000	2.318278000	-2.568275000
1	-3.446874000	-2.245611000	-2.407507000	1	4.096845000	-1.767093000	-3.930270000
1	-6.085419000	-0.845233000	0.445572000	1	5.406806000	0.247711000	-3.273903000
6	-5.368467000	-0.515137000	-0.326643000	6	-2.798577000	-1.703168000	0.330669000
6	-5.799114000	-1.042433000	-1.696101000	6	-3.618295000	-2.906286000	0.796814000
1	-5.860159000	-2.146026000	-1.678107000	1	-3.229100000	-3.834970000	0.336663000
1	-5.099437000	-0.974550000	-3.746985000	1	-3.525203000	-3.017664000	1.894510000
1	-6.808583000	-0.670546000	-1.946475000	1	-2.296106000	-0.727043000	-1.534701000
6	-4.796024000	-0.587683000	-2.758430000	6	-2.903092000	-1.589742000	-1.202999000
6	-4.746027000	0.939985000	-2.793787000	1	-2.474548000	-2.502432000	-1.659044000
1	-4.039441000	1.280036000	-3.571861000	1	-5.667819000	-3.584029000	0.749400000
1	-5.738689000	1.343021000	-3.063041000	6	-5.084783000	-2.714432000	0.399078000
6	-5.314049000	1.012787000	-0.359456000	6	-5.182700000	-2.608541000	-1.124004000
1	-5.012137000	1.397373000	0.631586000	1	-4.813157000	-3.537681000	-1.595102000
6	-4.314155000	1.465451000	-1.424600000	1	-4.422778000	-1.335559000	-2.705813000
1	-4.265842000	2.567542000	-1.445974000	1	-6.238921000	-2.494462000	-1.426081000
6	-2.931563000	0.912347000	-1.083891000	6	-4.366066000	-1.409374000	-1.605959000
1	-2.179810000	1.231220000	-1.830039000	6	-4.908102000	-0.126142000	-0.973836000
1	-2.582370000	1.289206000	-0.104959000	1	-4.325107000	0.745146000	-1.323530000
1	-6.316499000	1.422906000	-0.577276000	1	-5.954897000	0.036072000	-1.286346000
1	6.154939000	-2.351580000	-1.526794000	6	-5.631919000	-1.434872000	1.034544000
P-L3				1	-5.583809000	-1.505799000	2.136277000
7	1.208432000	-1.544303000	0.940337000	6	-4.820463000	-0.233126000	0.548988000
29	0.017586000	-0.281091000	0.006891000	1	-5.205314000	0.692473000	1.009310000
6	0.642804000	-2.593529000	1.413008000	6	-3.359805000	-0.413849000	0.950773000
7	-1.394623000	-1.745586000	0.669539000	1	-2.745498000	0.436369000	0.600294000
6	-0.786016000	-2.763026000	1.142768000	1	-3.253050000	-0.465401000	2.050002000
1	1.174541000	-3.343998000	2.014384000	6	2.583676000	-1.170181000	1.231562000
1	-1.269583000	-3.726338000	1.370095000	6	3.349758000	-1.087866000	-0.098115000
6	-0.534371000	1.224684000	-0.994732000	1	3.362522000	-2.085785000	-0.575457000
6	-1.104894000	2.455349000	-0.631334000	1	2.799925000	-0.405560000	-0.775644000
6	-1.388130000	2.980647000	0.698057000	1	2.759791000	-2.177934000	3.145383000
6	-2.025553000	4.223721000	0.848004000	6	3.315241000	-2.107658000	2.190197000
6	-1.043191000	2.274815000	1.862778000	1	3.364463000	-3.126534000	1.760364000
6	-2.306391000	4.732124000	2.109381000	1	5.306353000	-0.543461000	-0.805665000
6	-1.328884000	2.784729000	3.123558000	6	4.768536000	-0.582161000	0.157032000
6	-1.962612000	4.018238000	3.256468000	6	5.491459000	-1.527186000	1.116810000
1	-2.293561000	4.777754000	-0.055623000	1	5.565502000	-2.537521000	0.675060000
1	-0.537295000	1.302773000	1.774169000	1	5.246731000	-2.272062000	3.137896000
1	-2.802578000	5.702999000	2.200836000	1	6.524709000	-1.177145000	1.289882000
1	-1.049274000	2.214251000	4.014296000	6	4.732221000	-1.586130000	2.442768000
1	-2.185051000	4.421643000	4.247991000	6	4.662744000	-0.186777000	3.055875000
7	-1.392368000	3.177921000	-1.751313000	1	4.133464000	-0.220760000	4.025313000
7	-1.054161000	2.506360000	-2.791424000	1	5.682652000	0.183927000	3.261333000
7	-0.550554000	1.331281000	-2.349603000	6	4.698415000	0.818442000	0.765915000
6	0.008081000	0.408420000	-3.293391000	1	4.184879000	1.504060000	0.067117000
1	-0.411526000	-0.599545000	-3.121967000	6	3.941808000	0.758064000	2.093796000
1	-0.328760000	0.738813000	-4.290860000	1	3.877499000	1.767347000	2.535008000
6	1.514061000	0.351721000	-3.238455000	6	2.526579000	0.242009000	1.841971000
6	2.254708000	1.472291000	-2.850167000	1	1.942607000	0.208083000	2.781040000
6	2.189122000	-0.810649000	-3.614527000	1	1.985949000	0.910388000	1.140537000
6	3.645785000	1.431123000	-2.860047000	1	5.715926000	1.217041000	0.927078000
6	3.581056000	-0.851662000	-3.626189000	1	-6.696891000	-1.311417000	0.768438000
6	4.313426000	0.272882000	-3.255481000	Ac-L4			
1	1.728962000	2.384863000	-2.549031000	29	0.844122000	0.000139000	0.005597000
1	1.612976000	-1.695296000	-3.907393000	6	3.919470000	0.004895000	0.006421000

6	2.687377000	0.006749000	0.012486000	6	0.879197000	-3.243826000	1.545022000
15	-1.338176000	-0.005791000	0.003571000	1	2.065469000	-2.357489000	-0.028406000
6	-2.070617000	-1.108948000	-1.236635000	6	-1.428750000	-3.704149000	1.009973000
6	-1.424604000	-1.204968000	-2.481529000	1	-2.040616000	-3.227298000	-1.013614000
6	-3.252538000	-1.835402000	-1.020542000	6	-0.375459000	-3.723756000	1.920383000
6	-1.958009000	-2.000643000	-3.488342000	1	1.705294000	-3.240218000	2.261209000
1	-0.484274000	-0.659511000	-2.643137000	1	-2.418831000	-4.062506000	1.305848000
6	-3.778930000	-2.634085000	-2.034583000	1	-0.535409000	-4.105319000	2.933077000
1	-3.758542000	-1.784437000	-0.044974000	6	0.282434000	-2.337491000	-2.094192000
6	-3.127607000	-2.712659000	-3.264331000	1	-0.670469000	-2.324453000	-2.648771000
1	-1.440101000	-2.073711000	-4.450249000	1	0.945079000	-3.056928000	-2.607874000
1	-4.692692000	-3.203852000	-1.851966000	15	-1.497958000	0.682607000	0.042585000
1	-3.545653000	-3.347639000	-4.059808000	6	-1.995361000	0.450580000	1.774935000
6	-2.075139000	1.619970000	-0.343473000	6	-1.238671000	-0.441471000	2.540182000
6	-1.409403000	2.757324000	0.164155000	6	-3.108738000	1.081873000	2.341670000
6	-3.271524000	1.776976000	-1.052504000	6	-1.604907000	-0.720833000	3.853506000
6	-1.939852000	4.023450000	-0.036706000	1	-0.347273000	-0.902626000	2.095814000
1	-0.456940000	2.632267000	0.693781000	6	-3.464325000	0.808739000	3.658313000
6	-3.804032000	3.053339000	-1.250351000	1	-3.695871000	1.793705000	1.749547000
1	-3.787199000	0.903165000	-1.462190000	6	-2.716474000	-0.095754000	4.411890000
6	-3.135338000	4.168458000	-0.734585000	1	-1.007851000	-1.418723000	4.447593000
1	-1.417514000	4.904898000	0.352443000	1	-4.329751000	1.307488000	4.103245000
1	-4.737603000	3.171506000	-1.807998000	1	-2.998302000	-0.304313000	5.447776000
1	-3.554845000	5.169270000	-0.895002000	6	-2.710212000	-0.309583000	-0.894948000
6	-2.077091000	-0.518578000	1.591204000	6	-2.515036000	-0.399792000	-2.279919000
6	-3.324247000	-0.048405000	2.024437000	6	-3.769316000	-1.007295000	-0.305285000
6	-1.361493000	-1.447826000	2.366984000	6	-3.364617000	-1.175542000	-3.061276000
6	-3.857449000	-0.510983000	3.229095000	1	-1.670881000	0.132172000	-2.739050000
1	-3.876489000	0.689344000	1.427915000	6	-4.616165000	-1.786248000	-1.091661000
6	-1.901677000	-1.904798000	3.567822000	1	-3.924729000	-0.959785000	0.777406000
1	-0.375235000	-1.797087000	2.034843000	6	-4.415356000	-1.874113000	-2.466553000
6	-3.147030000	-1.438268000	3.991121000	1	-3.205826000	-1.239356000	-4.141627000
1	-4.830937000	-0.137940000	3.564777000	1	-5.440027000	-2.332066000	-0.623299000
1	-1.341785000	-2.626226000	4.173974000	1	-5.080315000	-2.488541000	-3.079625000
1	-3.568436000	-1.796216000	4.939847000	6	-1.960020000	2.399143000	-0.363699000
6	5.338203000	-0.001696000	0.002539000	6	-3.238977000	2.757046000	-0.807910000
6	6.064492000	1.207663000	0.021779000	6	-0.983980000	3.390723000	-0.197924000
6	6.056749000	-1.212060000	-0.030592000	6	-3.537751000	4.090651000	-1.071002000
6	7.452594000	1.195972000	0.022509000	1	-4.004360000	1.986254000	-0.954288000
1	5.517096000	2.147858000	0.047854000	6	-1.290434000	4.722288000	-0.457773000
6	7.444891000	-1.213809000	-0.034651000	1	0.023726000	3.103265000	0.128596000
1	5.502342000	-2.151365000	-0.048430000	6	-2.565987000	5.072712000	-0.894191000
6	8.153819000	-0.009081000	-0.015311000	1	-4.537057000	4.364886000	-1.420142000
1	8.001737000	2.142815000	0.034960000	1	-0.523516000	5.490575000	-0.328385000
1	7.986968000	-2.160763000	-0.061366000	1	-2.802754000	6.119021000	-1.106222000
1	9.247106000	-0.015049000	-0.019667000	6	5.102960000	0.638870000	0.300270000
RC-L4				6	5.934391000	0.296456000	-0.785023000
29	0.635337000	0.290679000	-0.255723000	6	5.716026000	1.053150000	1.499389000
6	3.690061000	0.565655000	0.183783000	6	7.316111000	0.367682000	-0.671598000
6	2.460244000	0.514521000	0.091637000	1	5.464939000	-0.024487000	-1.719609000
7	3.018269000	-0.650955000	-3.037105000	6	7.098782000	1.119703000	1.604525000
7	0.869129000	-0.991883000	-2.140734000	1	5.079867000	1.322986000	2.346554000
7	1.992201000	-0.892955000	-2.638024000	6	7.907361000	0.778120000	0.521995000
6	0.038393000	-2.773089000	-0.674070000	1	7.942695000	0.098870000	-1.527134000
6	1.084471000	-2.757195000	0.257819000	1	7.553956000	1.444302000	2.544897000
6	-1.219183000	-3.236119000	-0.285502000	1	8.995948000	0.832410000	0.608124000

TS1-L4

29	0.794022000	0.104412000	-0.220108000
6	3.767105000	0.064116000	-0.081381000
6	2.575095000	0.441973000	0.120122000
7	3.491771000	-1.575320000	-1.152050000
7	1.194223000	-1.520961000	-1.267424000
7	2.401725000	-1.919588000	-1.430144000
6	-0.660147000	-2.999114000	-0.650072000
6	-0.034855000	-3.526796000	0.485639000
6	-2.053143000	-3.033504000	-0.732364000
6	-0.790154000	-4.090589000	1.509192000
1	1.057171000	-3.488958000	0.562996000
6	-2.812204000	-3.580135000	0.300100000
1	-2.548072000	-2.616715000	-1.618615000
6	-2.182200000	-4.115318000	1.420511000
1	-0.289051000	-4.510715000	2.386027000
1	-3.903966000	-3.588011000	0.225769000
1	-2.776417000	-4.552685000	2.228033000
6	0.163754000	-2.413690000	-1.768758000
1	-0.502970000	-1.856172000	-2.450645000
1	0.625902000	-3.218546000	-2.366775000
15	-1.258454000	0.879996000	-0.005669000
6	-1.955184000	0.591805000	1.648425000
6	-1.778457000	-0.691685000	2.179496000
6	-2.686738000	1.543931000	2.364542000
6	-2.347075000	-1.026687000	3.402765000
1	-1.184543000	-1.427883000	1.624217000
6	-3.242257000	1.206279000	3.596491000
1	-2.818178000	2.554493000	1.963972000
6	-3.079323000	-0.077043000	4.112757000
1	-2.205091000	-2.033994000	3.805965000
1	-3.807865000	1.954399000	4.158743000
1	-3.518591000	-0.335558000	5.080237000
6	-2.565788000	0.253688000	-1.117764000
6	-2.264942000	0.190852000	-2.484738000
6	-3.817817000	-0.180271000	-0.670229000
6	-3.196903000	-0.305388000	-3.389516000
1	-1.279567000	0.526038000	-2.834382000
6	-4.747952000	-0.680398000	-1.579418000
1	-4.064299000	-0.145246000	0.396500000
6	-4.439506000	-0.747336000	-2.935662000
1	-2.952417000	-0.352867000	-4.454262000
1	-5.724135000	-1.021509000	-1.223196000
1	-5.170636000	-1.144738000	-3.644921000
6	-1.333492000	2.683831000	-0.264751000
6	-2.521679000	3.329732000	-0.631408000
6	-0.170336000	3.437433000	-0.065746000
6	-2.545493000	4.711923000	-0.785011000
1	-3.433015000	2.744355000	-0.800044000
6	-0.201492000	4.820539000	-0.219230000
1	0.762861000	2.924961000	0.200316000
6	-1.386315000	5.457357000	-0.578094000
1	-3.474694000	5.211294000	-1.072897000
1	0.710769000	5.403332000	-0.066281000
1	-1.406425000	6.543272000	-0.705730000
6	5.189133000	0.172481000	0.094505000

6	6.114365000	-0.352504000	-0.821038000
6	5.675085000	0.855203000	1.225391000
6	7.478693000	-0.195244000	-0.608015000
1	5.749328000	-0.881144000	-1.702941000
6	7.039024000	1.006935000	1.429593000
1	4.955118000	1.260139000	1.941945000
6	7.949093000	0.481521000	0.514168000
1	8.186609000	-0.607038000	-1.332940000
1	7.397108000	1.539000000	2.315484000
1	9.023855000	0.600290000	0.675897000

IC-L4

29	0.801922000	0.099179000	-0.279425000
6	3.681935000	-0.301561000	-0.347675000
6	2.565867000	0.334094000	-0.018635000
7	3.582512000	-1.506192000	-1.121700000
7	1.332597000	-1.472717000	-1.274604000
7	2.503118000	-1.990848000	-1.498419000
6	-0.545747000	-2.935597000	-0.654967000
6	0.113688000	-3.488255000	0.449276000
6	-1.939577000	-2.999738000	-0.711351000
6	-0.610312000	-4.094081000	1.471830000
1	1.206571000	-3.436808000	0.499205000
6	-2.666621000	-3.588778000	0.320576000
1	-2.460569000	-2.576220000	-1.579220000
6	-2.003392000	-4.139737000	1.414067000
1	-0.082808000	-4.532599000	2.323943000
1	-3.759358000	-3.618744000	0.266622000
1	-2.572116000	-4.608729000	2.222187000
6	0.239529000	-2.293442000	-1.769748000
1	-0.443194000	-1.675396000	-2.379925000
1	0.658773000	-3.065608000	-2.439098000
15	-1.272750000	0.856530000	-0.011128000
6	-1.918020000	0.540282000	1.657648000
6	-1.646462000	-0.718414000	2.206934000
6	-2.712204000	1.449937000	2.363397000
6	-2.184027000	-1.072809000	3.439384000
1	-1.004148000	-1.420099000	1.660701000
6	-3.235800000	1.093897000	3.603255000
1	-2.917755000	2.441938000	1.947533000
6	-2.978648000	-0.166792000	4.138163000
1	-1.968790000	-2.061018000	3.856840000
1	-3.850406000	1.808482000	4.157551000
1	-3.393761000	-0.440531000	5.112103000
6	-2.597540000	0.239701000	-1.102651000
6	-2.339511000	0.229346000	-2.479691000
6	-3.820035000	-0.245259000	-0.627619000
6	-3.284639000	-0.270132000	-3.368461000
1	-1.378129000	0.607522000	-2.851155000
6	-4.763991000	-0.746008000	-1.521847000
1	-4.029849000	-0.254122000	0.447372000
6	-4.497198000	-0.764413000	-2.888314000
1	-3.073305000	-0.279807000	-4.441142000
1	-5.716858000	-1.128549000	-1.145437000
1	-5.238016000	-1.165136000	-3.585493000
6	-1.354248000	2.663297000	-0.241764000
6	-0.192893000	3.417895000	-0.036296000

6	-2.545886000	3.311064000	-0.593317000	6	3.231360000	-0.348399000	3.402321000
6	-0.228671000	4.802931000	-0.166572000	1	1.392330000	0.641658000	2.848186000
1	0.744395000	2.906176000	0.215899000	6	4.699856000	-0.946462000	1.583040000
6	-2.574577000	4.695616000	-0.724033000	1	4.021708000	-0.443382000	-0.402968000
1	-3.455790000	2.725488000	-0.768489000	6	4.415881000	-0.926279000	2.945694000
6	-1.417369000	5.441531000	-0.509443000	1	3.006987000	-0.326809000	4.472143000
1	0.682319000	5.386240000	-0.008490000	1	5.630978000	-1.394289000	1.224828000
1	-3.506609000	5.196374000	-0.999916000	1	5.121408000	-1.361343000	3.658699000
1	-1.441626000	6.529293000	-0.618766000	6	1.393413000	2.620371000	0.285899000
6	5.063154000	0.078448000	-0.009025000	6	0.238266000	3.377295000	0.054297000
6	6.149963000	-0.691845000	-0.436223000	6	2.565036000	3.260497000	0.710687000
6	5.304618000	1.229892000	0.754220000	6	0.259926000	4.757038000	0.231822000
6	7.447289000	-0.313809000	-0.105065000	1	-0.684027000	2.870942000	-0.257064000
1	5.959164000	-1.588171000	-1.030338000	6	2.580058000	4.640128000	0.888282000
6	6.600358000	1.602231000	1.081421000	1	3.468898000	2.672434000	0.907799000
1	4.452656000	1.830810000	1.089363000	6	1.429291000	5.388027000	0.647982000
6	7.679840000	0.830668000	0.652328000	1	-0.646512000	5.341519000	0.053662000
1	8.289625000	-0.923421000	-0.444601000	1	3.496065000	5.135308000	1.221767000
1	6.772768000	2.502643000	1.677640000	1	1.442681000	6.471516000	0.794876000
1	8.701525000	1.123191000	0.909613000	6	-4.992575000	0.077467000	-0.018961000
TS2-L4				6	-6.170240000	-0.258226000	0.659093000
29	-0.727557000	0.058286000	0.149474000	6	-5.068404000	0.923722000	-1.134517000
6	-3.694839000	-0.450558000	0.440720000	6	-7.392652000	0.247638000	0.229315000
6	-2.515788000	-0.074020000	-0.064874000	1	-6.106451000	-0.920412000	1.525276000
7	-3.762299000	-1.404074000	1.474411000	6	-6.290881000	1.426285000	-1.557567000
7	-1.554527000	-1.447395000	1.352734000	1	-4.149025000	1.177520000	-1.672320000
7	-2.666749000	-1.877326000	1.863139000	6	-7.460292000	1.090590000	-0.876377000
6	0.339355000	-2.840105000	0.609171000	1	-8.306334000	-0.020950000	0.767379000
6	-0.353866000	-3.295553000	-0.518803000	1	-6.334794000	2.083381000	-2.430670000
6	1.725134000	-3.014065000	0.666921000	1	-8.423796000	1.485066000	-1.210593000
6	0.327899000	-3.928164000	-1.555329000	P-L4			
1	-1.437148000	-3.145004000	-0.577281000	7	2.429440000	-2.840905000	-0.694866000
6	2.409124000	-3.628624000	-0.378465000	7	3.724925000	-3.201032000	-0.698992000
1	2.272373000	-2.660171000	1.550214000	7	4.409697000	-2.136195000	-0.466712000
6	1.710801000	-4.094224000	-1.490561000	6	2.238888000	-1.512905000	-0.462543000
1	-0.227281000	-4.291864000	-2.424849000	6	3.561555000	-1.084307000	-0.305639000
1	3.495414000	-3.748561000	-0.320264000	29	0.528233000	-0.693010000	-0.365164000
1	2.245129000	-4.586423000	-2.308291000	6	1.416724000	-3.824516000	-0.988213000
6	-0.387390000	-2.206630000	1.768742000	1	1.192727000	-3.836953000	-2.069411000
1	0.320079000	-1.557250000	2.319266000	1	1.848898000	-4.807567000	-0.738774000
1	-0.722556000	-2.984621000	2.479693000	6	0.157318000	-3.554851000	-0.209805000
15	1.324939000	0.823297000	-0.002293000	6	-1.075469000	-3.425898000	-0.854478000
6	2.031364000	0.545026000	-1.651685000	6	0.215665000	-3.381455000	1.179339000
6	1.715304000	-0.670563000	-2.268202000	6	-2.230335000	-3.132576000	-0.129745000
6	2.917800000	1.431269000	-2.271757000	6	-0.932808000	-3.077021000	1.900805000
6	2.299146000	-1.008593000	-3.484304000	6	-2.159250000	-2.947334000	1.246852000
1	1.001086000	-1.349986000	-1.786695000	1	-1.126272000	-3.549107000	-1.941959000
6	3.486687000	1.094315000	-3.496677000	1	1.184521000	-3.461213000	1.684334000
1	3.159459000	2.390023000	-1.800365000	1	-3.188520000	-3.020258000	-0.649230000
6	3.184194000	-0.125761000	-4.098887000	1	-0.874510000	-2.939857000	2.984792000
1	2.049767000	-1.963780000	-3.955920000	1	-3.063207000	-2.705915000	1.814466000
1	4.172844000	1.790731000	-3.986346000	6	4.059189000	0.255519000	-0.014815000
1	3.635883000	-0.384987000	-5.060457000	6	5.388743000	0.596632000	-0.306870000
6	2.605233000	0.166709000	1.119942000	6	3.237020000	1.234301000	0.565316000
6	2.330851000	0.195532000	2.493959000	6	5.865064000	1.876900000	-0.053639000
6	3.800102000	-0.402094000	0.668737000	6	3.712331000	2.518378000	0.806842000

6	5.029519000	2.848812000	0.494540000	1	-7.199347000	1.719235000	1.216653000
1	6.035547000	-0.170493000	-0.741785000	1	-7.320703000	-1.957104000	-1.022054000
1	2.212547000	0.967211000	0.857588000	1	-8.512031000	-0.091841000	0.120670000
1	6.903928000	2.123564000	-0.292046000	6	2.092273000	2.443388000	-0.723981000
1	3.052960000	3.263397000	1.262699000	1	2.453702000	2.325104000	-1.762368000
1	5.407155000	3.856088000	0.690306000	1	0.988713000	2.349059000	-0.752634000
15	-1.203908000	0.622840000	-0.123135000	6	4.017334000	-0.575731000	-1.791833000
6	-1.380812000	1.138203000	1.613099000	1	4.093078000	-0.354390000	-2.867537000
6	-2.242857000	2.178244000	1.984294000	1	4.497878000	0.265258000	-1.257220000
1	-2.831127000	2.698261000	1.218576000	6	4.038045000	-0.332578000	1.692824000
6	-0.621349000	0.487322000	2.591832000	1	4.807346000	-0.088131000	0.936698000
1	0.066379000	-0.316497000	2.296141000	1	3.793921000	0.607308000	2.214419000
6	-0.730646000	0.867174000	3.927744000	6	2.515860000	3.758775000	-0.137192000
1	-0.129363000	0.361399000	4.687742000	1	2.135846000	3.867144000	0.887817000
6	-1.594690000	1.895712000	4.289532000	1	3.611450000	3.839416000	-0.106275000
1	-1.676111000	2.196885000	5.337586000	1	2.127160000	4.591163000	-0.738200000
6	-2.350916000	2.551862000	3.318004000	6	4.662867000	-1.897577000	-1.463626000
1	-3.023791000	3.364732000	3.604017000	1	4.598231000	-2.122081000	-0.388862000
6	0.301385000	2.595827000	-1.359623000	1	4.162654000	-2.712700000	-2.004561000
6	-1.000982000	2.173355000	-1.062694000	1	5.722557000	-1.893130000	-1.754034000
1	1.157554000	1.973278000	-1.068992000	6	4.519173000	-1.393284000	2.641054000
6	0.511298000	3.796016000	-2.031093000	1	4.772499000	-2.318437000	2.103498000
1	1.531694000	4.115829000	-2.258005000	1	5.413144000	-1.051772000	3.179549000
6	-0.574594000	4.575526000	-2.420843000	1	3.741054000	-1.634774000	3.377918000
1	-0.409242000	5.515032000	-2.955370000	RC-L5			
1	-2.726022000	4.761795000	-2.457105000	7	-0.005673000	-2.193879000	-0.661862000
6	-1.873204000	4.154418000	-2.141900000	7	1.088999000	-2.774498000	-0.691828000
6	-2.089534000	2.957986000	-1.466002000	7	2.159844000	-3.121908000	-0.679944000
1	-3.113294000	2.624069000	-1.260526000	6	2.035646000	0.057822000	-0.204170000
6	-2.852187000	0.038529000	-0.629495000	6	3.263954000	0.042918000	-0.075705000
6	-3.896675000	-0.194560000	0.268290000	29	0.174162000	-0.114308000	-0.423000000
1	-3.767164000	0.028783000	1.332357000	6	-1.196465000	-3.028350000	-0.853348000
6	-3.026077000	-0.274359000	-1.985254000	1	-1.420777000	-3.119338000	-1.931216000
1	-2.204611000	-0.099423000	-2.691297000	1	-0.993604000	-4.050817000	-0.483627000
6	-4.227910000	-0.807109000	-2.434013000	6	-2.379226000	-2.441379000	-0.138220000
1	-4.356128000	-1.045526000	-3.493328000	6	-3.642585000	-2.501422000	-0.726816000
6	-5.266813000	-1.041501000	-1.532599000	6	-2.244453000	-1.862661000	1.126512000
1	-6.211314000	-1.465086000	-1.884582000	6	-4.756805000	-1.999210000	-0.063172000
6	-5.099180000	-0.734715000	-0.185579000	6	-3.355827000	-1.345007000	1.783297000
1	-5.912266000	-0.916482000	0.522695000	6	-4.614535000	-1.415603000	1.192836000
Ac-L5				1	-3.751005000	-2.941356000	-1.723758000
29	-0.110971000	-0.256497000	-0.042546000	1	-1.252447000	-1.802627000	1.591087000
6	-3.187205000	-0.206165000	0.020232000	1	-5.742482000	-2.057368000	-0.533707000
6	-1.956090000	-0.233249000	-0.002559000	1	-3.236882000	-0.875852000	2.763917000
15	2.025306000	-0.096611000	-0.092903000	1	-5.488329000	-1.015128000	1.714828000
8	2.866965000	-0.826303000	1.050715000	6	4.675876000	0.025821000	0.071942000
8	2.630669000	1.394602000	0.074845000	6	5.391635000	-1.185806000	-0.002799000
8	2.627055000	-0.599115000	-1.489983000	6	5.402208000	1.211657000	0.296977000
6	-4.605444000	-0.176202000	0.046952000	6	6.772095000	-1.205395000	0.141070000
6	-5.295512000	0.870730000	0.688991000	6	6.782850000	1.183337000	0.439905000
6	-5.363552000	-1.191861000	-0.567948000	6	7.476075000	-0.023117000	0.363106000
6	-6.683163000	0.897105000	0.712463000	1	4.833375000	-2.110224000	-0.177997000
1	-4.715765000	1.663036000	1.169724000	1	4.856922000	2.157317000	0.356441000
6	-6.750948000	-1.158019000	-0.538984000	1	7.308257000	-2.156878000	0.079272000
1	-4.836919000	-2.008675000	-1.068306000	1	7.327601000	2.115888000	0.613828000
6	-7.419209000	-0.115261000	0.099922000	1	8.563369000	-0.041984000	0.475990000

1	-3.887224000	2.975521000	0.373663000	1	8.423601000	0.244157000	0.486571000
6	-4.612295000	2.196295000	0.099568000	1	-4.328364000	2.534320000	0.338804000
1	-4.746939000	1.538264000	0.971370000	6	-4.910714000	1.652612000	0.036113000
1	-5.571475000	2.682285000	-0.129143000	1	-4.960189000	0.967026000	0.895365000
6	-4.137887000	1.405357000	-1.091859000	1	-5.929408000	1.981445000	-0.213792000
8	-3.010258000	0.591195000	-0.812242000	6	-4.285632000	0.966311000	-1.150082000
1	-4.910114000	0.698465000	-1.435302000	8	-3.048865000	0.339745000	-0.846746000
1	-3.896352000	2.072212000	-1.938760000	1	-4.923265000	0.148366000	-1.521293000
8	-1.473837000	2.572283000	-0.915457000	1	-4.131075000	1.674629000	-1.983543000
6	-0.391067000	2.922418000	-1.772700000	8	-1.825182000	2.533295000	-0.888089000
1	-0.037961000	2.025503000	-2.317734000	6	-0.798949000	3.034817000	-1.737426000
1	-0.807543000	3.617321000	-2.518016000	1	-0.309305000	2.197868000	-2.272407000
6	0.737491000	3.542760000	-0.994511000	1	-1.302543000	3.656260000	-2.493610000
1	1.512911000	3.922224000	-1.674641000	6	0.212729000	3.821314000	-0.948502000
1	0.372834000	4.382709000	-0.384665000	1	0.943760000	4.297341000	-1.616845000
1	1.213981000	2.794623000	-0.339039000	1	-0.280734000	4.608594000	-0.359684000
15	-1.597646000	1.089432000	-0.275470000	1	0.769768000	3.158029000	-0.266485000
8	-1.973972000	1.457277000	1.254729000	15	-1.749605000	1.039303000	-0.265591000
6	-0.931971000	1.899931000	2.113645000	8	-2.210641000	1.332423000	1.254677000
1	-1.385827000	2.642124000	2.788409000	6	-1.275315000	1.925593000	2.142923000
1	-0.157981000	2.431178000	1.525314000	1	-1.861008000	2.564151000	2.821997000
6	-0.329261000	0.750983000	2.879801000	1	-0.596647000	2.597034000	1.580471000
1	-1.109754000	0.183357000	3.408999000	6	-0.499580000	0.879616000	2.901458000
1	0.393005000	1.115525000	3.623665000	1	-1.182730000	0.179576000	3.405502000
1	0.218076000	0.068363000	2.206901000	1	0.138111000	1.345886000	3.665651000
TS1-L5				1	0.162195000	0.305384000	2.230366000
7	0.412635000	-1.885838000	-0.594831000	IC-L5			
7	1.586088000	-2.399931000	-0.551557000	7	0.530655000	-1.797744000	-0.743374000
7	2.701942000	-2.056290000	-0.402610000	7	1.649944000	-2.454305000	-0.698581000
6	1.994075000	0.355090000	-0.198801000	7	2.768915000	-1.973277000	-0.473749000
6	3.140977000	-0.183513000	-0.158802000	6	1.982514000	0.240371000	-0.266480000
29	0.182923000	0.071873000	-0.395049000	6	3.023953000	-0.574739000	-0.244122000
6	-0.647547000	-2.840922000	-0.891835000	29	0.199213000	0.098827000	-0.455185000
1	-0.844370000	-2.874280000	-1.979980000	6	-0.591717000	-2.642795000	-1.130435000
1	-0.309596000	-3.854739000	-0.610960000	1	-0.847576000	-2.465734000	-2.192050000
6	-1.928957000	-2.512386000	-0.177305000	1	-0.259158000	-3.694290000	-1.069682000
6	-3.153884000	-2.768654000	-0.796432000	6	-1.830774000	-2.441641000	-0.300539000
6	-1.926557000	-1.976647000	1.113706000	6	-3.082058000	-2.702731000	-0.865121000
6	-4.351938000	-2.495081000	-0.146076000	6	-1.771078000	-2.015488000	1.028647000
6	-3.124229000	-1.683729000	1.758823000	6	-4.247762000	-2.528009000	-0.129468000
6	-4.340157000	-1.942272000	1.132466000	6	-2.939055000	-1.818158000	1.760912000
1	-3.163542000	-3.179206000	-1.811851000	6	-4.180454000	-2.070175000	1.185313000
1	-0.968563000	-1.774689000	1.607630000	1	-3.137810000	-3.032852000	-1.908174000
1	-5.302951000	-2.706574000	-0.643882000	1	-0.793285000	-1.823237000	1.485620000
1	-3.108875000	-1.247094000	2.761796000	1	-5.218516000	-2.740750000	-0.587299000
1	-5.280631000	-1.718669000	1.644409000	1	-2.878754000	-1.466487000	2.795136000
6	4.568379000	-0.118479000	0.005545000	1	-5.096190000	-1.921073000	1.764674000
6	5.441593000	-1.123881000	-0.436696000	6	4.439164000	-0.256711000	-0.005588000
6	5.114071000	1.022008000	0.624570000	6	5.415369000	-1.258435000	-0.002000000
6	6.813763000	-0.986819000	-0.262414000	6	4.825430000	1.071523000	0.224581000
6	6.484858000	1.149601000	0.794206000	6	6.748234000	-0.932806000	0.227672000
6	7.343191000	0.144413000	0.352266000	6	6.155899000	1.390513000	0.453759000
1	5.033282000	-2.011221000	-0.921918000	6	7.124921000	0.387633000	0.456265000
1	4.434149000	1.804729000	0.972334000	1	5.110909000	-2.291859000	-0.181654000
1	7.481084000	-1.778089000	-0.615479000	1	4.059140000	1.853875000	0.219330000
1	6.888924000	2.042639000	1.279154000	1	7.504058000	-1.723339000	0.228127000

1	6.443003000	2.430605000	0.631511000	1	7.349946000	-1.383121000	1.091352000
1	8.174012000	0.637789000	0.636203000	1	6.166617000	2.576947000	-0.117228000
1	-4.348922000	2.449215000	0.551342000	1	7.905043000	1.019250000	0.754385000
6	-4.914058000	1.561408000	0.234135000	1	-4.335188000	2.361752000	0.866165000
1	-4.900787000	0.835896000	1.061471000	6	-4.898172000	1.477358000	0.535650000
1	-5.953579000	1.864469000	0.045271000	1	-4.804194000	0.704333000	1.312970000
6	-4.322976000	0.952090000	-1.009743000	1	-5.956448000	1.758463000	0.440828000
8	-3.055338000	0.349933000	-0.790160000	6	-4.383961000	0.961703000	-0.782210000
1	-4.951111000	0.132138000	-1.392152000	8	-3.087561000	0.387017000	-0.690767000
1	-4.224297000	1.702274000	-1.814458000	1	-5.015791000	0.146661000	-1.168691000
8	-1.857055000	2.564084000	-0.788473000	1	-4.363600000	1.760580000	-1.544656000
6	-0.878482000	3.093496000	-1.676312000	8	-1.944923000	2.631829000	-0.602923000
1	-0.423597000	2.275121000	-2.267854000	6	-1.048461000	3.242698000	-1.524639000
1	-1.420547000	3.742235000	-2.380977000	1	-0.678947000	2.489761000	-2.247259000
6	0.177278000	3.849933000	-0.916179000	1	-1.644329000	3.973527000	-2.091690000
1	0.876481000	4.343541000	-1.605432000	6	0.098625000	3.895315000	-0.800995000
1	-0.280605000	4.620302000	-0.278506000	1	0.741304000	4.446438000	-1.501567000
1	0.763545000	3.164361000	-0.282180000	1	-0.271437000	4.601864000	-0.043493000
15	-1.753345000	1.049566000	-0.226431000	1	0.724701000	3.136449000	-0.301670000
8	-2.157109000	1.281895000	1.317076000	15	-1.771694000	1.084644000	-0.161454000
6	-1.199407000	1.864441000	2.190302000	8	-2.073824000	1.199627000	1.416621000
1	-1.767358000	2.498730000	2.888087000	6	-1.072765000	1.748048000	2.263549000
1	-0.532283000	2.540055000	1.618583000	1	-1.609019000	2.292419000	3.055743000
6	-0.410972000	0.807474000	2.918648000	1	-0.482690000	2.502123000	1.705349000
1	-1.085497000	0.105369000	3.430633000	6	-0.188254000	0.670339000	2.834512000
1	0.246298000	1.263358000	3.672329000	1	-0.793335000	-0.103629000	3.329593000
1	0.231022000	0.237657000	2.225833000	1	0.506405000	1.089795000	3.575619000
				1	0.420664000	0.188947000	2.050039000
TS2-L5				P-L5			
7	0.706491000	-1.831721000	-0.832891000	7	-1.685110000	-2.546460000	0.531486000
7	1.682469000	-2.643463000	-0.564706000	7	-2.926434000	-3.037514000	0.691227000
7	2.824204000	-2.198422000	-0.296489000	7	-3.744843000	-2.077647000	0.439361000
6	1.936590000	-0.020456000	-0.658219000	6	-1.667859000	-1.230576000	0.174788000
6	2.979272000	-0.801487000	-0.358379000	6	-3.039874000	-0.960015000	0.115210000
29	0.144648000	0.193172000	-0.586544000	6	-0.064584000	-0.259300000	-0.145771000
6	-0.480368000	-2.517230000	-1.325975000	6	-0.562398000	-3.389626000	0.862531000
1	-0.729994000	-2.137600000	-2.333771000	1	-0.349569000	-3.332785000	1.944918000
1	-0.213507000	-3.581388000	-1.458063000	1	-0.874054000	-4.427434000	0.657503000
6	-1.698610000	-2.402586000	-0.445498000	6	0.671303000	-3.020203000	0.086851000
6	-2.959577000	-2.661282000	-0.990614000	6	1.878610000	-2.771545000	0.740704000
6	-1.606805000	-2.065650000	0.906374000	6	0.624329000	-2.895073000	-1.309616000
6	-4.104495000	-2.573086000	-0.209328000	6	3.018868000	-2.402975000	0.023206000
6	-2.756444000	-1.952222000	1.685303000	6	1.756404000	-2.524902000	-2.024605000
6	-4.007559000	-2.203546000	1.131766000	6	2.958585000	-2.279943000	-1.359352000
1	-3.039620000	-2.925354000	-2.050833000	1	1.922537000	-2.864925000	1.831995000
1	-0.619149000	-1.882459000	1.345030000	1	-0.325168000	-3.069208000	-1.827351000
1	-5.083087000	-2.786381000	-0.649959000	1	3.960161000	-2.218603000	0.551509000
1	-2.672209000	-1.669852000	2.739049000	1	1.702785000	-2.421740000	-3.111551000
1	-4.907931000	-2.124540000	1.747882000	1	3.846160000	-1.983483000	-1.925646000
6	4.332844000	-0.299804000	-0.061883000	6	-3.715850000	0.287753000	-0.221937000
6	5.315624000	-1.170716000	0.422929000	6	-5.068508000	0.469317000	0.104782000
6	4.655604000	1.051182000	-0.253826000	6	-3.047141000	1.331826000	-0.878945000
6	6.589524000	-0.693949000	0.713090000	6	-5.717218000	1.660355000	-0.196394000
6	5.927857000	1.521394000	0.039935000	6	-3.696529000	2.525334000	-1.172660000
6	6.901637000	0.649777000	0.525833000	6	-5.035838000	2.698363000	-0.829535000
1	5.060534000	-2.223085000	0.565583000	1	-5.594914000	-0.349324000	0.603157000
1	3.891577000	1.729111000	-0.648222000				

1	-2.003466000	1.187476000	-1.186169000
1	-6.771419000	1.783095000	0.068976000
1	-3.156949000	3.322919000	-1.692289000
1	-5.549650000	3.634161000	-1.065523000
1	4.061352000	2.836296000	-0.214571000
6	4.333173000	2.559057000	-1.243104000
1	3.777136000	3.210427000	-1.931833000
1	5.407690000	2.749000000	-1.373964000
6	4.030374000	1.108381000	-1.516714000
8	2.637226000	0.820045000	-1.524686000
1	4.385154000	0.806007000	-2.513278000
1	4.518726000	0.450213000	-0.774143000
8	2.672219000	0.969196000	0.986561000
6	2.402833000	0.271899000	2.194185000
1	1.389176000	-0.179153000	2.147207000
1	3.118631000	-0.564243000	2.269345000
6	2.543779000	1.208861000	3.362919000
1	2.394034000	0.669850000	4.308272000
1	3.546512000	1.658831000	3.381395000
1	1.805244000	2.022983000	3.318846000
15	1.668904000	1.011264000	-0.282738000
8	1.377046000	2.594147000	-0.393892000
6	0.927276000	3.346954000	0.719655000
1	0.687709000	4.343964000	0.322134000
1	1.773732000	3.472749000	1.422545000
6	-0.270678000	2.743340000	1.413447000
1	-1.099779000	2.562220000	0.710368000
1	-0.635957000	3.418495000	2.200329000
1	-0.035502000	1.777694000	1.895374000

MN12L Optimized Cartesian Coordinates for binuclear catalytic cycle components

Ac-L1			
7	-0.766315000	-2.757281000	1.117134000
29	0.199608000	-1.049749000	0.898917000
6	-0.017523000	-3.740715000	1.446073000
7	1.825661000	-2.298729000	1.413380000
6	1.421005000	-3.496653000	1.571921000
1	-0.427518000	-4.746084000	1.629245000
1	2.104220000	-4.332801000	1.793611000
6	0.674739000	0.757082000	0.517526000
6	1.620165000	1.563211000	0.490524000
6	2.790857000	2.353482000	0.431867000
6	3.200905000	3.135484000	1.529917000
6	3.616716000	2.303816000	-0.712125000
6	4.402729000	3.828582000	1.485582000
6	4.812350000	3.005863000	-0.748161000
6	5.211111000	3.766079000	0.351138000
1	2.562865000	3.179738000	2.416520000
1	3.303605000	1.692564000	-1.566050000
1	4.714693000	4.427774000	2.345056000
1	5.444181000	2.959622000	-1.639091000
1	6.155766000	4.315243000	0.322347000
6	3.225696000	-1.968105000	1.500174000
1	3.515245000	-2.107658000	-0.643657000
1	3.814665000	-2.887456000	1.717463000
6	3.698514000	-1.380841000	0.168552000
1	3.074495000	-0.491877000	-0.047433000
1	3.070253000	-1.362321000	3.575440000
6	3.457691000	-0.959343000	2.625368000
1	2.871291000	-0.047164000	2.395876000
6	4.940656000	-0.633128000	2.721199000
1	5.116709000	0.070367000	3.549659000
1	5.499430000	-1.553060000	2.978141000
6	5.169874000	-0.994082000	0.240899000
1	5.472280000	-0.526821000	-0.712130000
1	5.782658000	-1.910167000	0.338806000
6	5.459334000	-0.060943000	1.410313000
1	4.976447000	0.916835000	1.233342000
1	6.540028000	0.139885000	1.475967000
6	-2.194703000	-2.940011000	0.965188000
1	-2.647655000	-1.997251000	2.865295000
1	-2.472851000	-3.962472000	1.299522000
6	-2.944509000	-1.912820000	1.807160000
1	-2.614501000	-0.908537000	1.463072000
1	-2.010758000	-3.502178000	-1.120332000
6	-2.574163000	-2.779876000	-0.505463000
1	-2.246645000	-1.765949000	-0.818147000

6	-4.075441000	-2.941476000	-0.694214000	1	-4.343996000	-3.200193000	1.608888000
1	-4.335337000	-2.818696000	-1.758082000	1	-2.893018000	-4.745575000	0.129717000
1	-4.366198000	-3.975949000	-0.432012000	6	0.695443000	-0.636339000	0.920268000
6	-4.448188000	-2.070032000	1.634693000	6	1.792774000	-0.740217000	1.495193000
1	-4.976299000	-1.319560000	2.245104000	6	3.102523000	-0.896724000	2.005716000
1	-4.761266000	-3.053413000	2.032533000	6	3.854471000	-2.044182000	1.672063000
6	-4.852937000	-1.960273000	0.171353000	6	3.708778000	0.107561000	2.786575000
1	-4.648398000	-0.932332000	-0.181661000	6	5.168194000	-2.173556000	2.097739000
1	-5.936859000	-2.115642000	0.055420000	6	5.025620000	-0.030881000	3.204044000
7	-1.089908000	0.093039000	-2.375546000	6	5.758772000	-1.166320000	2.861184000
29	-1.022643000	0.617627000	-0.338866000	1	3.384325000	-2.825703000	1.063983000
6	-2.269335000	0.240371000	-2.840119000	1	3.128360000	0.996914000	3.047865000
7	-2.919359000	1.035917000	-0.725068000	1	5.741124000	-3.066366000	1.833352000
6	-3.279753000	0.787924000	-1.932314000	1	5.488507000	0.755903000	3.805558000
1	-2.538747000	-0.003521000	-3.881270000	1	6.795089000	-1.269029000	3.193476000
1	-4.292652000	0.988052000	-2.308491000	6	-0.359554000	-4.134436000	-0.515119000
6	-3.797577000	1.651554000	0.254780000	1	-0.644229000	-2.978808000	-2.337768000
1	-2.075307000	2.574014000	1.182599000	1	-0.824119000	-5.063639000	-0.916244000
1	-3.890652000	0.911175000	1.082072000	6	0.184113000	-3.297154000	-1.678529000
6	-3.080081000	2.874026000	0.833488000	1	0.628327000	-2.373914000	-1.249225000
1	-2.924595000	3.600141000	0.012783000	1	0.410155000	-5.089723000	1.273515000
1	-5.715457000	1.120343000	-0.621432000	6	0.793937000	-4.505376000	0.421482000
6	-5.194176000	2.010819000	-0.226621000	1	1.188144000	-3.555687000	0.837408000
1	-5.111433000	2.729913000	-1.065540000	6	1.882695000	-5.260324000	-0.324394000
6	-6.000287000	2.640030000	0.903731000	1	2.704028000	-5.509193000	0.367002000
1	-7.011007000	2.892374000	0.548334000	1	1.482992000	-6.228926000	-0.679009000
1	-6.138201000	1.892893000	1.708250000	6	1.251548000	-4.070499000	-2.438503000
6	-3.897628000	3.508118000	1.948443000	1	1.618014000	-3.470605000	-3.287982000
1	-3.374282000	4.394670000	2.338267000	1	0.809196000	-4.982504000	-2.882543000
1	-3.969823000	2.798091000	2.793816000	6	2.395488000	-4.458916000	-1.511723000
6	-5.296187000	3.864970000	1.467645000	1	2.883622000	-3.536120000	-1.139184000
1	-5.226927000	4.640292000	0.681804000	1	3.169356000	-5.020866000	-2.057661000
1	-5.887079000	4.309088000	2.283448000	6	-3.575410000	-0.802172000	2.425404000
6	0.013218000	-0.362355000	-3.178235000	1	-2.650586000	-1.695457000	4.169126000
1	0.449368000	1.645134000	-3.873288000	1	-4.582861000	-1.203305000	2.668629000
1	-0.344722000	-0.713529000	-4.172191000	6	-2.750644000	-0.697099000	3.712500000
6	0.973634000	0.815502000	-3.371479000	1	-1.727191000	-0.378264000	3.424767000
1	1.244125000	1.177011000	-2.358750000	1	-4.331144000	0.503756000	0.870010000
1	0.049079000	-2.338423000	-2.272080000	6	-3.717571000	0.576445000	1.784658000
6	0.746748000	-1.505405000	-2.473882000	1	-2.702721000	0.902119000	1.466752000
1	1.093815000	-1.121044000	-1.490665000	6	-4.320078000	1.579555000	2.757943000
6	1.957421000	-1.945584000	-3.282772000	1	-4.412566000	2.563298000	2.271528000
1	2.459665000	-2.790405000	-2.783837000	1	-5.351716000	1.269085000	3.009410000
1	1.631976000	-2.327444000	-4.268941000	6	-3.359718000	0.304333000	4.681297000
6	2.213915000	0.395338000	-4.143929000	1	-2.746813000	0.357184000	5.594265000
1	2.895717000	1.255201000	-4.247261000	1	-4.355944000	-0.052939000	5.002779000
1	1.927858000	0.112412000	-5.174216000	6	-3.497495000	1.673963000	4.034090000
6	2.915584000	-0.778139000	-3.475050000	1	-2.491260000	2.065666000	3.793746000
1	3.290915000	-0.458939000	-2.481409000	1	-3.949526000	2.392741000	4.734863000
1	3.799056000	-1.086057000	-4.055620000	7	1.266987000	0.445399000	-2.233800000
RC-L1				29	-0.098323000	0.237589000	-0.619821000
7	-2.884489000	-1.709389000	1.533075000	6	0.639005000	0.495170000	-3.345713000
29	-1.044350000	-1.386291000	0.919755000	7	-1.361450000	0.307438000	-2.139358000
6	-3.354736000	-2.870708000	1.254459000	6	-0.818898000	0.449011000	-3.294348000
7	-1.319043000	-3.366851000	0.229620000	1	1.153504000	0.597466000	-4.316011000
6	-2.506267000	-3.770735000	0.470694000	1	-1.401412000	0.545787000	-4.221824000

6	-2.799845000	0.230348000	-1.966830000	6	-1.063275000	-4.184306000	-0.574670000
1	-3.320348000	2.097607000	-2.944948000	1	-2.472336000	-4.687490000	1.096617000
1	-2.992047000	0.596539000	-0.936733000	1	-1.317431000	-5.055646000	-1.198905000
6	-3.646209000	1.042722000	-2.937711000	6	1.116806000	-0.368104000	0.790648000
1	-3.518274000	0.660165000	-3.967875000	6	2.078791000	-0.011349000	1.545232000
1	-2.568977000	-1.805489000	-1.312619000	6	3.484358000	0.008761000	1.809433000
6	-3.216376000	-1.240983000	-2.003579000	6	4.281723000	-0.952352000	1.151239000
1	-3.009907000	-1.627181000	-3.022253000	6	4.112324000	0.966251000	2.623443000
6	-4.690092000	-1.395899000	-1.666088000	6	5.658527000	-0.954382000	1.307322000
1	-4.982403000	-2.458286000	-1.717483000	6	5.495832000	0.961846000	2.761409000
1	-4.851829000	-1.083096000	-0.616132000	6	6.273029000	0.007372000	2.110468000
6	-5.114589000	0.912260000	-2.550715000	1	3.787149000	-1.697059000	0.518075000
1	-5.741209000	1.527905000	-3.213922000	1	3.509882000	1.716579000	3.137369000
1	-5.257441000	1.318544000	-1.530244000	1	6.262322000	-1.709525000	0.797091000
6	-5.558392000	-0.544463000	-2.582724000	1	5.974524000	1.715870000	3.391860000
1	-5.479116000	-0.925289000	-3.618103000	1	7.359488000	0.009476000	2.229581000
1	-6.620056000	-0.633426000	-2.305428000	6	0.618092000	-3.416429000	-2.109954000
6	2.702511000	0.528864000	-2.183186000	1	-0.451453000	-1.843977000	-3.161505000
1	2.639338000	2.532477000	-1.339187000	1	0.243551000	-4.231787000	-2.765892000
1	3.102045000	0.833372000	-3.177200000	6	0.584155000	-2.084039000	-2.864222000
6	3.123314000	1.557767000	-1.135213000	1	0.903413000	-1.287741000	-2.156083000
1	2.752733000	1.205423000	-0.150285000	1	2.086463000	-4.665823000	-1.113463000
1	2.974244000	-1.582972000	-2.571303000	6	2.058276000	-3.726284000	-1.689194000
6	3.289355000	-0.836558000	-1.820139000	1	2.373252000	-2.915529000	-0.997422000
1	2.843740000	-1.144118000	-0.853954000	6	2.981333000	-3.773588000	-2.894856000
6	4.807041000	-0.762706000	-1.719813000	1	4.006000000	-4.014607000	-2.572154000
1	5.201937000	-1.743144000	-1.402718000	1	2.670986000	-4.597827000	-3.563892000
1	5.227148000	-0.575941000	-2.726344000	6	1.518497000	-2.110934000	-4.065828000
6	4.639795000	1.675193000	-1.102427000	1	1.483999000	-1.138587000	-4.584290000
1	4.944606000	2.441442000	-0.373021000	1	1.158878000	-2.855770000	-4.800548000
1	5.001276000	2.026628000	-2.087621000	6	2.942733000	-2.455309000	-3.651617000
6	5.270002000	0.331118000	-0.764966000	1	3.335784000	-1.656769000	-2.992348000
1	4.993583000	0.060141000	0.269731000	1	3.605724000	-2.487127000	-4.529953000
1	6.368668000	0.404587000	-0.778038000	6	-1.971618000	-2.513652000	2.617357000
7	1.344695000	2.601568000	1.816927000	1	-0.171256000	-2.914807000	3.761543000
7	-0.078222000	2.265570000	-0.027512000	1	-2.559656000	-3.345721000	3.061473000
7	0.683592000	2.525421000	0.908736000	6	-0.863060000	-2.077322000	3.575422000
6	0.128313000	4.676551000	-0.644759000	1	-0.275676000	-1.284811000	3.064406000
6	-0.517761000	5.314350000	0.420256000	1	-3.704300000	-1.643718000	1.656829000
6	1.188177000	5.321738000	-1.283953000	6	-2.899117000	-1.325946000	2.339162000
6	-0.112337000	6.577706000	0.831889000	1	-2.287954000	-0.571446000	1.797421000
6	1.590677000	6.590777000	-0.875641000	6	-3.462880000	-0.742046000	3.625638000
1	1.697250000	4.826632000	-2.118476000	1	-4.118390000	0.113748000	3.392373000
6	0.941947000	7.218262000	0.182597000	1	-4.113951000	-1.492670000	4.111998000
1	-0.624085000	7.071001000	1.662233000	6	-1.439853000	-1.523884000	4.868508000
1	2.417337000	7.090796000	-1.386681000	1	-0.621731000	-1.236548000	5.546248000
1	1.257693000	8.213769000	0.505052000	1	-2.010333000	-2.312846000	5.393842000
6	-0.287063000	3.297923000	-1.061662000	6	-2.351616000	-0.340054000	4.584018000
1	0.263968000	2.986131000	-1.969442000	1	-1.752298000	0.472988000	4.129244000
1	-1.361702000	3.246528000	-1.309490000	1	-2.771109000	0.068089000	5.516434000
1	-1.349530000	4.812192000	0.927484000	7	0.665973000	1.839993000	-1.546381000
TS1-L1				29	-0.300769000	0.615870000	-0.058144000
7	-1.391418000	-2.915401000	1.360603000	6	-0.181566000	2.163465000	-2.443641000
29	0.028209000	-1.816215000	0.386045000	7	-1.822134000	0.885920000	-1.339979000
6	-1.728792000	-3.966821000	0.719598000	6	-1.552052000	1.692747000	-2.301553000
7	-0.179161000	-3.325202000	-0.912431000	1	0.088722000	2.776157000	-3.320648000

1	-2.303266000	2.028331000	-3.028965000	7	0.053774000	-3.211307000	-1.121500000
6	-3.149743000	0.304519000	-1.192583000	6	-0.855431000	-4.091860000	-0.933605000
1	-4.323380000	1.901825000	-2.080098000	1	-2.240644000	-4.862796000	0.652184000
1	-3.471339000	0.534197000	-0.149513000	1	-1.116497000	-4.844102000	-1.694707000
6	-4.210856000	0.807219000	-2.161120000	6	0.953339000	-0.273717000	0.894065000
1	-3.877611000	0.596350000	-3.196217000	6	1.785644000	0.217863000	1.829426000
1	-2.270712000	-1.545380000	-0.550806000	6	3.221204000	-0.082295000	1.919330000
6	-3.007551000	-1.214439000	-1.302981000	6	3.824302000	-0.959808000	1.003150000
1	-2.569418000	-1.439657000	-2.295395000	6	4.021699000	0.556069000	2.876005000
6	-4.335413000	-1.939728000	-1.148025000	6	5.193673000	-1.176224000	1.026480000
1	-4.185616000	-3.025408000	-1.280505000	6	5.393611000	0.327204000	2.901007000
1	-4.714947000	-1.806133000	-0.118608000	6	5.985854000	-0.528508000	1.975826000
6	-5.537602000	0.096720000	-1.931454000	1	3.195028000	-1.467794000	0.261327000
1	-6.302161000	0.500055000	-2.612792000	1	3.553277000	1.238203000	3.588750000
1	-5.899206000	0.308609000	-0.907202000	1	5.651401000	-1.859498000	0.306055000
6	-5.381810000	-1.405554000	-2.114703000	1	6.010149000	0.829164000	3.651494000
1	-5.071043000	-1.616053000	-3.155092000	1	7.065420000	-0.698769000	1.996859000
1	-6.343138000	-1.921886000	-1.969676000	6	0.796519000	-3.114196000	-2.356435000
6	2.045679000	2.234684000	-1.690393000	1	-0.197248000	-1.267609000	-2.941026000
1	1.924436000	3.866038000	-0.282716000	1	0.318516000	-3.742027000	-3.139107000
1	2.146848000	2.924111000	-2.560072000	6	0.831109000	-1.654781000	-2.815287000
6	2.537352000	2.963012000	-0.443015000	1	1.289750000	-1.058903000	-1.998146000
1	2.379478000	2.307259000	0.436698000	1	2.200495000	-4.661656000	-1.778255000
1	2.516990000	0.509720000	-2.894133000	6	2.222682000	-3.613831000	-2.119734000
6	2.904053000	1.000970000	-1.982815000	1	2.647477000	-3.018829000	-1.286333000
1	2.783674000	0.278239000	-1.149904000	6	3.070635000	-3.450040000	-3.371190000
6	4.364491000	1.395629000	-2.142688000	1	4.092397000	-3.812047000	-3.179267000
1	4.974244000	0.499317000	-2.343598000	1	2.665746000	-4.094648000	-4.173540000
1	4.470477000	2.043351000	-3.033857000	6	1.664521000	-1.502697000	-4.078618000
6	4.006711000	3.338471000	-0.588170000	1	1.664076000	-0.449264000	-4.403702000
1	4.357693000	3.835014000	0.330423000	1	1.202532000	-2.073154000	-4.906229000
1	4.104973000	4.088769000	-1.395993000	6	3.082728000	-2.002953000	-3.840692000
6	4.875810000	2.131480000	-0.912311000	1	3.561505000	-1.376465000	-3.061365000
1	4.880812000	1.441520000	-0.050381000	1	3.695990000	-1.892240000	-4.748142000
1	5.921526000	2.443716000	-1.059408000	6	-1.949084000	-2.797675000	2.365343000
7	1.222122000	1.222745000	2.868970000	1	-0.181820000	-3.305315000	3.519455000
7	-0.741886000	1.498585000	1.702584000	1	-2.522632000	-3.691986000	2.690444000
7	0.152262000	1.620263000	2.597341000	6	-0.875283000	-2.456761000	3.400976000
6	-2.154159000	3.248103000	0.743314000	1	-0.285347000	-1.606862000	3.000285000
6	-1.063167000	3.965287000	0.248302000	1	-3.681026000	-1.870435000	1.464937000
6	-3.409359000	3.435178000	0.161403000	6	-2.892265000	-1.605110000	2.188034000
6	-1.216502000	4.837172000	-0.823340000	1	-2.278587000	-0.803029000	1.726159000
6	-3.567464000	4.308614000	-0.911011000	6	-3.486247000	-1.141910000	3.509261000
1	-4.272541000	2.880630000	0.550034000	1	-4.136170000	-0.267202000	3.339671000
6	-2.468403000	5.002643000	-1.414926000	1	-4.148945000	-1.933011000	3.907851000
1	-0.354281000	5.396480000	-1.200296000	6	-1.500219000	-2.043276000	4.723817000
1	-4.555781000	4.450897000	-1.358056000	1	-0.706278000	-1.830776000	5.455657000
1	-2.593201000	5.690662000	-2.255514000	1	-2.088547000	-2.881333000	5.142715000
6	-1.955059000	2.282534000	1.881093000	6	-2.399150000	-0.831983000	4.527704000
1	-2.823939000	1.596741000	1.939275000	1	-1.784307000	0.015490000	4.166278000
1	-1.914611000	2.814482000	2.848316000	1	-2.843177000	-0.511709000	5.482600000
1	-0.079207000	3.817889000	0.707007000	7	0.667992000	2.002096000	-1.483083000
IC-L1				29	-0.363643000	0.675238000	-0.038303000
7	-1.327089000	-3.030711000	1.085792000	6	-0.183160000	2.407034000	-2.338758000
29	0.123044000	-1.811109000	0.317534000	7	-1.824731000	1.029776000	-1.348390000
6	-1.555486000	-4.052882000	0.355557000	6	-1.549191000	1.892714000	-2.255523000

1	0.071398000	3.119609000	-3.142520000	6	-1.557356000	-4.084239000	0.077855000
1	-2.290595000	2.244032000	-2.986107000	7	0.059677000	-3.089059000	-1.296021000
6	-3.123051000	0.374575000	-1.278656000	6	-0.824671000	-4.007584000	-1.191171000
1	-4.351743000	1.991010000	-2.041630000	1	-2.237732000	-4.924861000	0.287764000
1	-3.468857000	0.488266000	-0.225581000	1	-1.043379000	-4.711659000	-2.009747000
6	-4.194645000	0.912299000	-2.214531000	6	0.836293000	-0.284057000	1.005635000
1	-3.846595000	0.803056000	-3.260372000	6	1.741042000	0.159325000	1.908655000
1	-2.147746000	-1.484750000	-0.802361000	6	3.157312000	-0.237952000	1.921924000
6	-2.904358000	-1.120881000	-1.522378000	6	3.685937000	-1.057673000	0.911983000
1	-2.467399000	-1.237749000	-2.534019000	6	4.018121000	0.261079000	2.909062000
6	-4.199540000	-1.912866000	-1.427836000	6	5.041791000	-1.347396000	0.870796000
1	-4.005004000	-2.977099000	-1.646509000	6	5.374522000	-0.043885000	2.870980000
1	-4.580986000	-1.876927000	-0.391364000	6	5.894006000	-0.836649000	1.850837000
6	-5.490287000	0.128169000	-2.055727000	1	3.011374000	-1.454349000	0.142236000
1	-6.267312000	0.548989000	-2.711755000	1	3.608581000	0.900288000	3.694112000
1	-5.868216000	0.243592000	-1.022157000	1	5.441202000	-1.980757000	0.073756000
6	-5.266479000	-1.347136000	-2.353890000	1	6.037246000	0.349573000	3.646435000
1	-4.945004000	-1.462199000	-3.405925000	1	6.962594000	-1.064923000	1.821408000
1	-6.204631000	-1.914447000	-2.255251000	6	0.826012000	-2.907574000	-2.508181000
6	2.035474000	2.455587000	-1.534027000	1	-0.103198000	-0.988310000	-2.942798000
1	1.737493000	4.080728000	-0.142194000	1	0.341433000	-3.451651000	-3.347613000
1	2.173298000	3.153383000	-2.391175000	6	0.911053000	-1.418772000	-2.842295000
6	2.388730000	3.196516000	-0.244652000	1	1.378361000	-0.909615000	-1.972862000
1	2.167544000	2.531967000	0.615786000	1	2.164905000	-4.551861000	-2.062923000
1	2.692599000	0.751629000	-2.679358000	6	2.230906000	-3.477182000	-2.299982000
6	2.955459000	1.251232000	-1.731084000	1	2.663363000	-2.985190000	-1.406727000
1	2.741655000	0.534075000	-0.915210000	6	3.107305000	-3.226036000	-3.516978000
6	4.421898000	1.652764000	-1.707642000	1	4.115128000	-3.632163000	-3.340103000
1	5.051999000	0.753742000	-1.816263000	1	2.701903000	-3.784927000	-4.380959000
1	4.641744000	2.289222000	-2.585980000	6	1.764567000	-1.192229000	-4.080488000
6	3.855162000	3.604810000	-0.243159000	1	1.792061000	-0.119367000	-4.331126000
1	4.090759000	4.136638000	0.691474000	1	1.302587000	-1.691913000	-4.952815000
1	4.027462000	4.331627000	-1.059808000	6	3.165874000	-1.744176000	-3.857396000
6	4.770865000	2.404778000	-0.431580000	1	3.638889000	-1.198411000	-3.015259000
1	4.668449000	1.724879000	0.434126000	1	3.803534000	-1.571232000	-4.737888000
1	5.824712000	2.723184000	-0.448837000	6	-2.020015000	-2.994933000	2.168244000
7	1.328006000	1.152284000	2.783732000	1	-0.331332000	-3.687873000	3.340049000
7	-0.724868000	1.219976000	1.872600000	1	-2.634564000	-3.893723000	2.388248000
7	0.160516000	1.602717000	2.736799000	6	-0.969148000	-2.792400000	3.262250000
6	-2.165124000	3.024666000	0.986495000	1	-0.315883000	-1.955542000	2.941849000
6	-1.072883000	3.813190000	0.616868000	1	-3.684081000	-1.923988000	1.298283000
6	-3.407478000	3.266660000	0.393538000	6	-2.909779000	-1.753713000	2.064723000
6	-1.211102000	4.802429000	-0.350879000	1	-2.244473000	-0.949597000	1.685553000
6	-3.548293000	4.254306000	-0.576002000	6	-3.522529000	-1.361509000	3.399070000
1	-4.273888000	2.663377000	0.692017000	1	-4.129715000	-0.448885000	3.277071000
6	-2.445195000	5.015472000	-0.963338000	1	-4.228784000	-2.148275000	3.724389000
1	-0.349521000	5.418475000	-0.628816000	6	-1.614780000	-2.437895000	4.592389000
1	-4.525891000	4.437493000	-1.031951000	1	-0.834289000	-2.317702000	5.358957000
1	-2.556236000	5.794775000	-1.722298000	1	-2.256289000	-3.271221000	4.935772000
6	-1.989883000	1.932338000	2.009364000	6	-2.448406000	-1.172121000	4.458867000
1	-2.824099000	1.211847000	1.920042000	1	-1.785139000	-0.334838000	4.164233000
1	-2.039232000	2.349111000	3.031865000	1	-2.898179000	-0.892666000	5.423787000
1	-0.104141000	3.637821000	1.097778000	7	0.692176000	2.130062000	-1.381467000
TS2-L1				29	-0.327660000	0.730416000	-0.057688000
7	-1.362048000	-3.123160000	0.893260000	6	-0.151573000	2.602810000	-2.209742000
29	0.066351000	-1.787505000	0.248853000	7	-1.793643000	1.149192000	-1.341620000

6	-1.516576000	2.075125000	-2.183024000	29	0.510516000	-0.405737000	0.847465000
1	0.109145000	3.379554000	-2.948930000	6	0.994128000	-2.163201000	2.984605000
1	-2.251119000	2.470420000	-2.898069000	7	-0.015520000	-0.049902000	2.717574000
6	-3.084223000	0.476354000	-1.327714000	6	0.210022000	-1.042186000	3.495402000
1	-4.319822000	2.129624000	-1.989661000	1	1.183975000	-3.032125000	3.635568000
1	-3.439552000	0.516485000	-0.272948000	1	-0.150466000	-1.053771000	4.536175000
6	-4.152749000	1.066330000	-2.234603000	6	0.079258000	-0.775332000	-1.017252000
1	-3.795297000	1.031278000	-3.282389000	6	-0.467629000	-2.025672000	-1.387058000
1	-2.102527000	-1.402547000	-0.953281000	6	-1.417185000	-2.884925000	-0.684096000
6	-2.850462000	-0.999012000	-1.661793000	6	-1.860257000	-4.068292000	-1.298880000
1	-2.398615000	-1.052767000	-2.672175000	6	-1.847609000	-2.616585000	0.625621000
6	-4.141048000	-1.803476000	-1.630402000	6	-2.696024000	-4.948640000	-0.622654000
1	-3.936829000	-2.850418000	-1.913799000	6	-2.692114000	-3.495738000	1.295888000
1	-4.531120000	-1.835563000	-0.596843000	6	-3.115157000	-4.670469000	0.677609000
6	-5.443099000	0.263566000	-2.139141000	1	-1.519536000	-4.287097000	-2.314388000
1	-6.217768000	0.719477000	-2.774145000	1	-1.526719000	-1.693860000	1.127125000
1	-5.831151000	0.309570000	-1.103890000	1	-3.024528000	-5.867329000	-1.116241000
6	-5.203950000	-1.187746000	-2.528757000	1	-3.016690000	-3.266983000	2.315484000
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1	-6.138212000	-1.767450000	-2.475996000	6	-0.764663000	1.092809000	3.192497000
6	2.060705000	2.585708000	-1.372913000	1	0.985672000	2.368110000	3.251310000
1	1.735409000	4.133078000	0.101423000	1	-0.862765000	1.032011000	4.297634000
1	2.220180000	3.328578000	-2.186453000	6	-0.033752000	2.381110000	2.831584000
6	2.381090000	3.249021000	-0.033654000	1	0.070020000	2.402724000	1.721232000
1	2.128184000	2.536999000	0.778606000	1	-2.682375000	0.142785000	2.829810000
1	2.741400000	0.934914000	-2.581127000	6	-2.164541000	1.086890000	2.580841000
6	2.977575000	1.386368000	-1.603192000	1	-2.046310000	1.093982000	1.475882000
1	2.728004000	0.636472000	-0.827678000	6	-2.962763000	2.306233000	3.013187000
6	4.446798000	1.764867000	-1.511258000	1	-3.955786000	2.291111000	2.535180000
1	5.067927000	0.863456000	-1.649073000	1	-3.150590000	2.261829000	4.102234000
1	4.704113000	2.445752000	-2.344873000	6	-0.831893000	3.584288000	3.312103000
6	3.851219000	3.637401000	0.040104000	1	-0.288831000	4.519255000	3.103992000
1	4.058582000	4.112704000	1.011113000	1	-0.930104000	3.540576000	4.413003000
1	4.061042000	4.406393000	-0.727605000	6	-2.215852000	3.589834000	2.679604000
6	4.759564000	2.437539000	-0.183394000	1	-2.104785000	3.666047000	1.577704000
1	4.616419000	1.709175000	0.636253000	1	-2.792797000	4.471733000	2.998128000
1	5.816998000	2.741504000	-0.143859000	6	2.376967000	-3.102261000	1.331880000
7	1.389884000	1.115890000	2.865093000	1	1.028031000	-3.890742000	-0.170568000
7	-0.649482000	1.085527000	1.987995000	1	2.312318000	-3.988973000	1.999932000
7	0.213682000	1.558694000	2.834496000	6	2.060761000	-3.514251000	-0.097913000
6	-2.140197000	2.903415000	1.168536000	1	2.132390000	-2.602978000	-0.725683000
6	-1.065102000	3.737281000	0.853230000	1	4.031437000	-2.201408000	2.412956000
6	-3.393385000	3.173823000	0.609148000	6	3.793823000	-2.527751000	1.385925000
6	-1.230326000	4.798292000	-0.031613000	1	3.785026000	-1.624027000	0.752996000
6	-3.560677000	4.232915000	-0.276268000	6	4.821424000	-3.519056000	0.862746000
1	-4.248095000	2.536932000	0.868823000	1	5.820575000	-3.051939000	0.889238000
6	-2.473451000	5.040084000	-0.613162000	1	4.874550000	-4.390850000	1.541646000
1	-0.381351000	5.448793000	-0.266564000	6	3.062434000	-4.543245000	-0.596820000
1	-4.546537000	4.436830000	-0.704703000	1	2.795360000	-4.846390000	-1.620648000
1	-2.604796000	5.875929000	-1.305787000	1	2.994966000	-5.457583000	0.022633000
6	-1.953562000	1.734099000	2.102036000	6	4.476756000	-3.987349000	-0.543274000
1	-2.746431000	0.990878000	1.909706000	1	4.546958000	-3.128939000	-1.238390000
1	-2.074971000	2.059911000	3.151687000	1	5.207792000	-4.732078000	-0.894493000
1	-0.089190000	3.544837000	1.310740000	7	-2.910060000	1.454971000	-1.033346000
P-L1				29	-0.952990000	0.880937000	-0.643054000
7	1.475487000	-2.073195000	1.805317000	6	-3.009834000	2.700853000	-1.305609000

7	-0.701605000	2.927890000	-0.957091000	7	-3.372560000	-0.102776000	-1.198421000
6	-1.808091000	3.518880000	-1.216757000	29	-1.376571000	-0.437028000	-0.999241000
1	-3.961944000	3.156573000	-1.620362000	6	-3.640153000	1.131680000	-1.495182000
1	-1.881183000	4.604233000	-1.389571000	7	-1.338798000	1.558067000	-1.523142000
6	0.524915000	3.705041000	-0.897383000	6	-2.535915000	2.035726000	-1.652522000
1	0.980501000	3.229073000	-2.977713000	1	-4.666964000	1.500148000	-1.628195000
1	1.294337000	3.039785000	-0.461260000	1	-2.730667000	3.091948000	-1.890913000
6	0.996301000	4.099239000	-2.301101000	6	-0.088116000	-1.693580000	-0.566109000
1	0.267995000	4.824512000	-2.715524000	6	0.977430000	-2.236174000	-0.175515000
1	0.051229000	4.682530000	0.976262000	6	2.132729000	-3.030227000	0.098982000
6	0.453493000	4.948907000	-0.015267000	6	2.657340000	-3.894374000	-0.878486000
1	-0.246239000	5.683619000	-0.456671000	6	2.820027000	-2.891086000	1.319144000
6	1.838042000	5.574295000	0.088095000	6	3.842162000	-4.579856000	-0.642366000
1	1.809529000	6.461110000	0.740040000	6	4.005895000	-3.574968000	1.543979000
1	2.521960000	4.854632000	0.577902000	6	4.525159000	-4.417986000	0.561912000
6	2.380829000	4.723402000	-2.216143000	1	2.127454000	-4.009033000	-1.827748000
1	2.737535000	4.998323000	-3.220773000	1	2.412086000	-2.213774000	2.078543000
1	3.090639000	3.961539000	-1.836225000	1	4.240840000	-5.248493000	-1.410194000
6	2.380109000	5.931544000	-1.289568000	1	4.530018000	-3.451903000	2.496102000
1	1.749110000	6.725133000	-1.731759000	1	5.459412000	-4.957525000	0.737831000
1	3.391750000	6.357732000	-1.208012000	7	2.596528000	0.686591000	0.891714000
6	-4.063946000	0.596695000	-1.185000000	29	0.824217000	-0.228849000	0.459448000
1	-3.573587000	0.114471000	-3.238268000	6	2.424441000	1.747457000	1.618232000
1	-4.947692000	1.208721000	-1.469437000	7	0.117958000	1.355249000	1.525051000
6	-3.790314000	-0.417075000	-2.296940000	6	1.072721000	2.167971000	1.862926000
1	-2.873466000	-0.976592000	-2.027050000	1	3.266035000	2.334356000	2.013444000
1	-4.552342000	0.626900000	0.921775000	1	0.879430000	3.131248000	2.356916000
6	-4.350291000	-0.117414000	0.131093000	6	-1.232195000	1.658258000	1.633019000
1	-3.424019000	-0.650277000	0.417293000	6	-1.744467000	2.961967000	1.610379000
6	-5.497499000	-1.105214000	-0.011413000	6	-2.133866000	0.579495000	1.727782000
1	-5.653635000	-1.631888000	0.944232000	6	-3.115234000	3.186786000	1.629810000
1	-6.435280000	-0.552903000	-0.211410000	6	-3.493646000	0.797475000	1.808144000
6	-4.962014000	-1.374105000	-2.447021000	6	-4.001398000	2.100162000	1.719651000
1	-4.752032000	-2.092241000	-3.254781000	1	-1.062572000	3.813773000	1.527997000
1	-5.861112000	-0.811510000	-2.762526000	1	-1.724729000	-0.437540000	1.771488000
6	-5.235510000	-2.095757000	-1.136866000	1	-3.490522000	4.211078000	1.576915000
1	-4.353827000	-2.711018000	-0.880093000	1	-4.199762000	-0.031547000	1.907706000
1	-6.081471000	-2.792361000	-1.242658000	6	3.832374000	0.128441000	0.610259000
7	0.130165000	-2.460805000	-2.520186000	6	3.961024000	-0.591526000	-0.593720000
7	1.012701000	-0.605263000	-2.016326000	6	4.923758000	0.181647000	1.486489000
7	1.022833000	-1.601164000	-2.892892000	6	5.141087000	-1.218565000	-0.917970000
6	3.173732000	0.358669000	-1.250445000	6	6.108251000	-0.472653000	1.182523000
6	3.201779000	0.970192000	0.009709000	6	6.225081000	-1.178784000	-0.024914000
6	4.317621000	-0.304033000	-1.702658000	1	3.091057000	-0.648169000	-1.260349000
6	4.362644000	0.960161000	0.780357000	1	4.825655000	0.693598000	2.448527000
6	5.478304000	-0.318467000	-0.932147000	1	5.257045000	-1.783620000	-1.845847000
1	4.300747000	-0.789222000	-2.685164000	1	6.931696000	-0.448838000	1.898681000
6	5.507679000	0.327298000	0.302206000	6	-4.341202000	-1.043711000	-0.900413000
1	4.377505000	1.460107000	1.752486000	6	-5.644855000	-0.703743000	-0.479455000
1	6.373461000	-0.822459000	-1.308062000	6	-3.986692000	-2.398855000	-0.971199000
1	6.426379000	0.335818000	0.894873000	6	-6.558049000	-1.690030000	-0.184376000
6	1.963899000	0.473919000	-2.145366000	6	-4.908019000	-3.396561000	-0.697590000
1	2.270888000	0.494395000	-3.201275000	6	-6.208697000	-3.047959000	-0.307944000
1	1.425699000	1.407984000	-1.923135000	1	-5.916362000	0.344797000	-0.319607000
1	2.306510000	1.489939000	0.380321000	1	-2.962123000	-2.652226000	-1.266198000
Ac-L2				1	-7.563460000	-1.451593000	0.170008000

1	-4.606868000	-4.442254000	-0.780642000	6	-0.901478000	2.465864000	2.341724000
6	-0.190104000	2.333166000	-1.533628000	1	0.831261000	3.692167000	2.943381000
6	-0.174461000	3.694132000	-1.197136000	1	-1.646975000	3.056191000	2.892401000
6	1.034545000	1.700605000	-1.828783000	7	3.781325000	-0.547169000	1.356813000
6	1.019464000	4.399262000	-1.128546000	7	1.472554000	-0.896572000	1.664182000
6	2.221168000	2.403088000	-1.798850000	7	2.694723000	-0.787443000	1.536108000
6	2.230554000	3.756088000	-1.431481000	6	1.711741000	-3.372166000	1.288984000
1	-1.109383000	4.203538000	-0.945544000	6	2.252248000	-3.272211000	0.001728000
1	1.014531000	0.641661000	-2.116580000	6	1.862831000	-4.563562000	2.000772000
1	1.002969000	5.452761000	-0.841588000	6	2.924792000	-4.350626000	-0.564175000
1	3.176146000	1.926672000	-2.039046000	6	2.532097000	-5.644681000	1.431615000
8	-5.331291000	2.216812000	1.710359000	1	1.454169000	-4.644412000	3.013537000
6	-5.907009000	3.492209000	1.730590000	6	3.061520000	-5.542287000	0.147555000
1	-5.661434000	4.064880000	0.819554000	1	3.341216000	-4.261226000	-1.571637000
1	-6.991949000	3.350016000	1.777919000	1	2.652972000	-6.569883000	2.002325000
1	-5.582182000	4.067226000	2.613820000	1	3.596442000	-6.387115000	-0.294612000
8	7.310398000	-1.851251000	-0.393368000	6	0.918459000	-2.240918000	1.877036000
6	8.434782000	-1.854837000	0.438867000	1	0.749513000	-2.402085000	2.956108000
1	8.822954000	-0.834765000	0.598629000	1	-0.080361000	-2.200829000	1.399454000
1	8.212169000	-2.312629000	1.417639000	1	2.119595000	-2.342831000	-0.567541000
1	9.200626000	-2.452055000	-0.067266000	6	-2.538048000	0.929652000	1.634330000
8	3.422333000	4.349177000	-1.390873000	6	-3.615324000	1.820522000	1.562157000
6	3.500020000	5.715661000	-1.105327000	6	-2.794672000	-0.447055000	1.517637000
1	3.129602000	5.941307000	-0.090356000	6	-4.911865000	1.356996000	1.380895000
1	4.558025000	5.992339000	-1.165634000	6	-4.081124000	-0.920978000	1.379106000
1	2.930793000	6.315102000	-1.835819000	6	-5.155837000	-0.023132000	1.300157000
8	-7.162457000	-3.922173000	-0.010701000	1	-3.426490000	2.900761000	1.561152000
6	-6.888680000	-5.292954000	-0.088472000	1	-1.946253000	-1.141055000	1.548682000
1	-6.604037000	-5.589383000	-1.111936000	1	-5.728543000	2.077007000	1.293094000
1	-6.084708000	-5.583488000	0.608478000	1	-4.289605000	-1.992646000	1.305595000
1	-7.809859000	-5.814706000	0.191292000	6	2.595223000	2.479384000	1.335931000
RC-L2				6	3.198006000	2.373910000	0.068239000
7	-2.500577000	-1.619442000	-1.409062000	6	3.409010000	2.654667000	2.463765000
29	-1.059537000	-0.242129000	-1.139090000	6	4.566302000	2.436415000	-0.071336000
6	-3.613318000	-1.087815000	-1.816201000	6	4.789414000	2.700972000	2.334458000
7	-2.660970000	1.036096000	-1.524033000	6	5.378563000	2.588032000	1.064680000
6	-3.696920000	0.342774000	-1.884210000	1	2.546709000	2.267175000	-0.803046000
1	-4.499136000	-1.686184000	-2.069721000	1	2.956477000	2.694811000	3.459741000
1	-4.641948000	0.797212000	-2.213440000	1	5.045153000	2.353802000	-1.053102000
6	0.817651000	-0.028497000	-1.145701000	1	5.406711000	2.799784000	3.229278000
6	1.924246000	-0.030613000	-1.713792000	6	-2.352337000	-2.961414000	-1.097114000
6	3.189684000	0.118382000	-2.337309000	6	-3.436084000	-3.839067000	-0.881104000
6	3.378413000	1.127357000	-3.304997000	6	-1.049761000	-3.458786000	-0.936252000
6	4.298029000	-0.665550000	-1.960123000	6	-3.212395000	-5.153240000	-0.535051000
6	4.629480000	1.343947000	-3.865482000	6	-0.814838000	-4.782115000	-0.593425000
6	5.547075000	-0.434935000	-2.519707000	6	-1.901706000	-5.643632000	-0.395200000
6	5.719727000	0.568691000	-3.471667000	1	-4.465922000	-3.478050000	-0.953219000
1	2.520992000	1.736613000	-3.605192000	1	-0.209359000	-2.774206000	-1.114724000
1	4.171273000	-1.446477000	-1.204574000	1	-4.039073000	-5.842606000	-0.348146000
1	4.758376000	2.128302000	-4.616223000	1	0.215096000	-5.136507000	-0.492280000
1	6.399091000	-1.044878000	-2.208358000	6	-2.649839000	2.415993000	-1.389668000
1	6.705293000	0.745065000	-3.910147000	6	-3.796409000	3.224732000	-1.459882000
7	1.222557000	2.305975000	1.408036000	6	-1.425345000	3.030429000	-1.061683000
29	0.306037000	0.585109000	0.687576000	6	-3.733920000	4.583579000	-1.195145000
6	0.463166000	2.893594000	2.282036000	6	-1.354436000	4.380427000	-0.787590000
7	-1.214294000	1.349944000	1.745887000	6	-2.508078000	5.175541000	-0.848328000

1	-4.771181000	2.788394000	-1.692595000	6	3.047068000	1.686520000	-2.773807000
1	-0.520050000	2.411947000	-1.034150000	6	3.577502000	2.983935000	-2.710548000
1	-4.645923000	5.181150000	-1.252613000	1	0.780817000	4.658649000	-1.725352000
1	-0.405567000	4.862030000	-0.537638000	1	1.307313000	0.448638000	-2.478040000
8	-6.362870000	-0.562958000	1.126518000	1	3.144062000	5.069255000	-2.265078000
6	-7.485761000	0.269380000	1.097818000	1	3.710027000	0.869213000	-3.069802000
1	-7.455866000	0.964082000	0.240360000	6	-3.970799000	0.791218000	-0.552153000
1	-8.361005000	-0.381177000	0.995553000	6	-3.976947000	-0.014989000	0.601732000
1	-7.580196000	0.854522000	2.028174000	6	-5.121772000	0.847501000	-1.351097000
8	6.690830000	2.609936000	0.849699000	6	-5.098005000	-0.734058000	0.947691000
6	7.563174000	2.767086000	1.930673000	6	-6.237085000	0.088123000	-1.035402000
1	7.390074000	3.721721000	2.456035000	6	-6.227875000	-0.717802000	0.114715000
1	7.468374000	1.937343000	2.651719000	1	-3.066043000	-0.062209000	1.208140000
1	8.578578000	2.766636000	1.520150000	1	-5.114499000	1.441710000	-2.270149000
8	-2.353786000	6.467517000	-0.569495000	1	-5.124336000	-1.368439000	1.836753000
6	-3.453866000	7.326745000	-0.657456000	1	-7.102979000	0.106368000	-1.699798000
1	-4.245298000	7.048295000	0.059342000	6	3.310438000	-1.796388000	-0.446648000
1	-3.091303000	8.330826000	-0.412777000	6	4.692327000	-1.961755000	-0.679182000
1	-3.878634000	7.337537000	-1.675417000	6	2.467272000	-2.904994000	-0.624531000
8	-1.790734000	-6.925686000	-0.062642000	6	5.194464000	-3.180940000	-1.073804000
6	-0.516681000	-7.473110000	0.124267000	6	2.965885000	-4.139052000	-1.011939000
1	0.090373000	-7.411815000	-0.795495000	6	4.339792000	-4.286480000	-1.241999000
1	0.023836000	-6.961950000	0.939766000	1	5.384276000	-1.126557000	-0.542204000
1	-0.660962000	-8.526093000	0.388761000	1	1.390164000	-2.780544000	-0.452746000
TS1-L2				1	6.260581000	-3.327222000	-1.262766000
7	2.723256000	-0.618410000	-0.022677000	1	2.279229000	-4.978156000	-1.136765000
29	0.711272000	-0.489072000	0.549220000	6	0.435288000	2.404071000	1.315252000
6	3.361520000	0.480033000	0.235099000	6	0.661478000	3.773458000	1.123361000
7	1.345990000	1.400049000	1.001841000	6	-0.835153000	1.998035000	1.771818000
6	2.588702000	1.601727000	0.689054000	6	-0.350807000	4.700607000	1.333963000
1	4.446339000	0.601735000	0.106192000	6	-1.843916000	2.910917000	1.996894000
1	3.067975000	2.591107000	0.748349000	6	-1.618484000	4.274958000	1.764399000
6	-0.885952000	-1.227704000	-0.177149000	1	1.632898000	4.130216000	0.771145000
6	-1.641591000	-2.241100000	-0.069728000	1	-1.002122000	0.925690000	1.941845000
6	-2.871532000	-2.896548000	-0.413386000	1	-0.146322000	5.760510000	1.167193000
6	-3.545127000	-3.805667000	0.416615000	1	-2.832710000	2.599244000	2.344794000
6	-3.488278000	-2.502692000	-1.620031000	8	4.868285000	3.108501000	-3.009090000
6	-4.802105000	-4.282207000	0.059546000	6	5.453618000	4.379195000	-3.019195000
6	-4.740458000	-2.986858000	-1.968034000	1	5.431783000	4.844680000	-2.018877000
6	-5.407453000	-3.878212000	-1.127276000	1	6.496663000	4.244513000	-3.324678000
1	-3.084236000	-4.125089000	1.352246000	1	4.952982000	5.048928000	-3.738507000
1	-2.962815000	-1.793303000	-2.269172000	8	-7.231289000	-1.509963000	0.477428000
1	-5.315875000	-4.984907000	0.721150000	6	-8.329560000	-1.652761000	-0.374736000
1	-5.199269000	-2.667656000	-2.908893000	1	-8.881146000	-0.704794000	-0.494306000
1	-6.390933000	-4.269145000	-1.403522000	1	-8.014880000	-2.014661000	-1.370294000
7	-2.794642000	1.442959000	-0.879204000	1	-8.993643000	-2.393366000	0.083785000
29	-0.944736000	0.525795000	-0.887323000	8	-2.648663000	5.090902000	1.980116000
6	-2.730242000	2.595288000	-1.464791000	6	-2.477570000	6.469634000	1.825723000
7	-0.440519000	2.219842000	-1.787133000	1	-2.213384000	6.733285000	0.786905000
6	-1.424029000	3.066117000	-1.847266000	1	-3.435141000	6.938021000	2.077280000
1	-3.621594000	3.209398000	-1.661789000	1	-1.699290000	6.860223000	2.503062000
1	-1.296457000	4.089093000	-2.228218000	8	4.921740000	-5.419327000	-1.618962000
6	0.878724000	2.527396000	-2.096558000	6	4.138080000	-6.563755000	-1.807465000
6	1.411985000	3.822078000	-2.041435000	1	3.625526000	-6.859418000	-0.876632000
6	1.724849000	1.462657000	-2.456165000	1	3.386017000	-6.411368000	-2.599727000
6	2.749183000	4.053516000	-2.332457000	1	4.819005000	-7.365994000	-2.110644000

7	-0.851767000	-3.324064000	1.481752000	6	-4.073171000	-0.330054000	0.426138000
7	-0.087439000	-2.728781000	2.131316000	6	-5.186505000	0.575630000	-1.525740000
7	0.619099000	-1.677599000	2.141955000	6	-5.210793000	-1.027807000	0.757258000
6	1.185071000	-1.257154000	3.419674000	6	-6.321326000	-0.160762000	-1.222916000
1	0.624848000	-0.376688000	3.788433000	6	-6.337756000	-0.975009000	-0.079348000
1	1.043600000	-2.059350000	4.163495000	1	-3.170763000	-0.396719000	1.044653000
1	3.177200000	-2.813442000	2.445473000	1	-5.158762000	1.172333000	-2.442690000
6	3.543437000	-1.831297000	2.768409000	1	-5.255054000	-1.667135000	1.642116000
6	2.639607000	-0.900195000	3.286238000	1	-7.180964000	-0.119129000	-1.894202000
6	3.106950000	0.353183000	3.682804000	6	3.456479000	-1.360929000	-0.402265000
1	2.398136000	1.085070000	4.087425000	6	4.789716000	-1.287976000	-0.857755000
6	4.453267000	0.681597000	3.548722000	6	2.788275000	-2.592827000	-0.481965000
1	4.810521000	1.665669000	3.865127000	6	5.419542000	-2.407174000	-1.354407000
6	5.346290000	-0.248880000	3.019855000	6	3.420685000	-3.727731000	-0.963578000
1	6.406528000	0.002370000	2.924748000	6	4.748520000	-3.643299000	-1.403926000
1	5.588743000	-2.249412000	2.235180000	1	5.332040000	-0.338328000	-0.841228000
6	4.889353000	-1.509561000	2.635775000	1	1.751978000	-2.653646000	-0.124722000
IC-L2				1	6.446383000	-2.368873000	-1.725521000
7	2.761091000	-0.293981000	0.132922000	1	2.874770000	-4.672318000	-0.994672000
29	0.722655000	-0.396431000	0.701098000	6	0.156484000	2.486694000	1.365171000
6	3.297691000	0.834757000	0.470059000	6	0.263134000	3.858813000	1.101652000
7	1.177395000	1.569185000	1.149460000	6	-1.097863000	1.979346000	1.764354000
6	2.415807000	1.875517000	0.924457000	6	-0.843210000	4.693049000	1.196385000
1	4.375340000	1.041222000	0.398770000	6	-2.200210000	2.801051000	1.871508000
1	2.810355000	2.896296000	1.043239000	6	-2.089663000	4.167531000	1.574638000
6	-0.779706000	-1.294286000	0.075110000	1	1.218468000	4.286020000	0.784506000
6	-1.306104000	-2.465756000	0.430918000	1	-1.178138000	0.907128000	1.989071000
6	-2.510184000	-3.048894000	-0.190614000	1	-0.729827000	5.757259000	0.978405000
6	-3.301032000	-3.959447000	0.519985000	1	-3.175567000	2.413976000	2.179421000
6	-2.938942000	-2.624944000	-1.458382000	8	4.845378000	2.966213000	-2.870658000
6	-4.506807000	-4.406487000	-0.012343000	6	5.403416000	4.249494000	-2.882878000
6	-4.146879000	-3.065737000	-1.981706000	1	5.338763000	4.729964000	-1.891578000
6	-4.939867000	-3.955587000	-1.256821000	1	6.458517000	4.133007000	-3.152181000
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1	-2.306719000	-1.937803000	-2.033723000	8	-7.361733000	-1.743096000	0.273867000
1	-5.117609000	-5.114793000	0.554293000	6	-8.509181000	-1.771920000	-0.525411000
1	-4.467572000	-2.724606000	-2.970588000	1	-8.984104000	-0.778376000	-0.589201000
1	-5.887313000	-4.312123000	-1.670976000	1	-8.280455000	-2.128094000	-1.544510000
7	-2.853834000	1.119252000	-1.041287000	1	-9.207262000	-2.470144000	-0.051632000
29	-0.993228000	0.302518000	-0.849905000	8	-3.204711000	4.887746000	1.678701000
6	-2.783850000	2.290181000	-1.591475000	6	-3.152856000	6.269362000	1.469889000
7	-0.471107000	1.979061000	-1.768264000	1	-2.846733000	6.514025000	0.438004000
6	-1.475948000	2.784559000	-1.930391000	1	-4.164281000	6.653663000	1.639782000
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1	-1.358714000	3.790939000	-2.356282000	8	5.445186000	-4.664424000	-1.889005000
6	0.849209000	2.308189000	-2.050831000	6	4.844197000	-5.925862000	-1.977804000
6	1.346870000	3.617427000	-2.014038000	1	4.539036000	-6.297744000	-0.985326000
6	1.727418000	1.258042000	-2.371837000	1	3.963831000	-5.907017000	-2.641910000
6	2.686570000	3.874325000	-2.272352000	1	5.594574000	-6.603686000	-2.398014000
6	3.048831000	1.508358000	-2.670978000	7	-0.813367000	-3.206613000	1.544523000
6	3.548854000	2.817825000	-2.609923000	7	-0.063938000	-2.670575000	2.384675000
1	0.684181000	4.444632000	-1.740966000	7	0.520682000	-1.529565000	2.243410000
1	1.338546000	0.232383000	-2.383761000	6	1.092142000	-0.978607000	3.464990000
1	3.056092000	4.900108000	-2.213713000	1	0.595895000	-0.013997000	3.687927000
1	3.735250000	0.699803000	-2.939681000	1	0.850632000	-1.663624000	4.296219000
6	-4.043132000	0.485849000	-0.720731000	1	2.923551000	-2.702081000	2.483753000

6	3.385231000	-1.762504000	2.809873000	1	-5.260380000	-1.986855000	1.613370000
6	2.576433000	-0.759794000	3.349617000	1	-7.217528000	-0.407133000	-1.892362000
6	3.163420000	0.436274000	3.765067000	6	3.641504000	-1.174523000	-0.380578000
1	2.531301000	1.223581000	4.192157000	6	4.983453000	-0.999348000	-0.774013000
6	4.533057000	0.639550000	3.619419000	6	3.076887000	-2.453247000	-0.488697000
1	4.985143000	1.578717000	3.951259000	6	5.724099000	-2.069196000	-1.225585000
6	5.328769000	-0.355689000	3.051302000	6	3.817558000	-3.538524000	-0.928760000
1	6.404872000	-0.197619000	2.936550000	6	5.157304000	-3.354364000	-1.297390000
1	5.373397000	-2.350102000	2.218183000	1	5.452694000	-0.012755000	-0.742223000
6	4.752557000	-1.561553000	2.655250000	1	2.030689000	-2.593666000	-0.183493000
TS2-L2				1	6.762573000	-1.950706000	-1.543327000
7	2.845629000	-0.163151000	0.138897000	1	3.346804000	-4.521667000	-0.983297000
29	0.911543000	-0.466165000	0.568396000	6	0.081150000	2.513001000	1.357557000
6	3.295191000	1.009775000	0.466307000	6	0.119229000	3.889281000	1.091186000
7	1.133589000	1.641604000	1.125852000	6	-1.139151000	1.951678000	1.792701000
6	2.354446000	2.004723000	0.901074000	6	-1.019374000	4.673963000	1.216150000
1	4.356508000	1.281269000	0.393662000	6	-2.271236000	2.726426000	1.936641000
1	2.704725000	3.043780000	1.010109000	6	-2.229356000	4.095439000	1.635186000
6	-0.777780000	-1.241093000	0.356943000	1	1.045953000	4.356373000	0.746454000
6	-1.230440000	-2.499084000	0.523855000	1	-1.167544000	0.877172000	2.016282000
6	-2.325103000	-3.061133000	-0.289990000	1	-0.960418000	5.741469000	0.992587000
6	-3.124554000	-4.084736000	0.234837000	1	-3.219420000	2.298214000	2.273200000
6	-2.653362000	-2.522494000	-1.542877000	8	4.619158000	3.098071000	-2.935060000
6	-4.247698000	-4.523550000	-0.459096000	6	5.130096000	4.399672000	-2.987850000
6	-3.779707000	-2.957560000	-2.229215000	1	5.069302000	4.900286000	-2.006291000
6	-4.587449000	-3.955238000	-1.684703000	1	6.182744000	4.314863000	-3.277906000
1	-2.858953000	-4.514628000	1.203956000	1	4.600123000	5.011516000	-3.737038000
1	-2.009849000	-1.750678000	-1.983209000	8	-7.335897000	-2.128529000	0.202068000
1	-4.867641000	-5.318231000	-0.034880000	6	-8.470916000	-2.187282000	-0.613964000
1	-4.023876000	-2.524568000	-3.203724000	1	-8.999783000	-1.219818000	-0.642066000
1	-5.471170000	-4.304001000	-2.226575000	1	-8.210934000	-2.486877000	-1.643469000
7	-2.993736000	1.059071000	-0.891834000	1	-9.133583000	-2.942875000	-0.179045000
29	-1.078224000	0.338427000	-0.622353000	8	-3.370235000	4.767279000	1.774477000
6	-2.960584000	2.197660000	-1.509690000	6	-3.385580000	6.149072000	1.560832000
7	-0.637596000	1.953519000	-1.698821000	1	-3.124598000	6.402839000	0.518822000
6	-1.669848000	2.722330000	-1.866763000	1	-4.406695000	6.489526000	1.763192000
1	-3.872330000	2.753891000	-1.770804000	1	-2.692312000	6.671817000	2.241231000
1	-1.589824000	3.714252000	-2.334072000	8	5.955896000	-4.321208000	-1.734379000
6	0.663804000	2.320737000	-2.021315000	6	5.460687000	-5.626669000	-1.837854000
6	1.117397000	3.646179000	-2.020432000	1	5.132140000	-6.011984000	-0.857995000
6	1.570012000	1.295538000	-2.346170000	1	4.618872000	-5.683468000	-2.548232000
6	2.441780000	3.943737000	-2.312421000	1	6.283096000	-6.247582000	-2.208249000
6	2.876637000	1.584469000	-2.675547000	7	-0.796516000	-3.291679000	1.589431000
6	3.333090000	2.910692000	-2.646728000	7	-0.059045000	-2.707156000	2.423062000
1	0.432663000	4.455202000	-1.747239000	7	0.312269000	-1.480974000	2.199925000
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1	2.776874000	4.982468000	-2.280668000	1	0.475244000	0.202087000	3.438088000
1	3.585095000	0.794931000	-2.943955000	1	0.591496000	-1.369417000	4.255809000
6	-4.150449000	0.353391000	-0.620652000	1	2.638269000	-2.701801000	2.481802000
6	-4.151109000	-0.514059000	0.489440000	6	3.155437000	-1.786313000	2.792639000
6	-5.280859000	0.397361000	-1.450725000	6	2.405548000	-0.712049000	3.277820000
6	-5.242832000	-1.304376000	0.760451000	6	3.065085000	0.450151000	3.681257000
6	-6.370300000	-0.421338000	-1.204329000	1	2.479115000	1.293461000	4.065336000
6	-6.355861000	-1.285544000	-0.096652000	6	4.448889000	0.551054000	3.571877000
1	-3.260001000	-0.547446000	1.126672000	1	4.957596000	1.465438000	3.890950000
1	-5.276362000	1.028362000	-2.344490000	6	5.187136000	-0.512845000	3.051322000

1	6.274027000	-0.432866000	2.959911000	6	4.264903000	4.050132000	0.601110000
1	5.111747000	-2.526453000	2.268798000	1	1.008970000	5.022161000	0.397266000
6	4.537888000	-1.686509000	2.674958000	1	2.692449000	1.380640000	1.985918000
P-L2				1	3.301071000	5.817514000	-0.148898000
7	0.452858000	2.551584000	1.387287000	1	4.957657000	2.168019000	1.459617000
29	-0.011404000	0.614392000	0.823753000	6	-3.046596000	0.476144000	1.078971000
6	-0.651244000	3.218042000	1.536905000	6	-4.345415000	0.976866000	1.259432000
7	-1.884864000	1.233786000	1.202286000	6	-2.915369000	-0.879516000	0.722312000
6	-1.890891000	2.501879000	1.491870000	6	-5.461688000	0.174592000	1.068644000
1	-0.665795000	4.306459000	1.694387000	6	-4.014225000	-1.685537000	0.523837000
1	-2.817031000	3.063376000	1.667668000	6	-5.307619000	-1.165788000	0.688596000
6	1.542328000	-0.441462000	0.182653000	1	-4.511104000	2.015745000	1.552792000
6	2.813072000	-0.044043000	-0.297443000	1	-1.903094000	-1.283277000	0.588311000
6	3.189287000	0.970024000	-1.277034000	1	-6.454942000	0.601754000	1.220574000
6	4.527928000	1.091303000	-1.681211000	1	-3.911084000	-2.738034000	0.246068000
6	2.260341000	1.901609000	-1.756463000	8	-4.673730000	3.891621000	-1.950906000
6	4.916640000	2.120689000	-2.531068000	6	-6.059843000	3.901993000	-2.136575000
6	2.651551000	2.930107000	-2.604647000	1	-6.576653000	3.304662000	-1.365642000
6	3.984508000	3.047943000	-2.993363000	1	-6.383085000	4.945155000	-2.053450000
1	5.256449000	0.367107000	-1.305518000	1	-6.337545000	3.518708000	-3.132867000
1	1.221681000	1.832406000	-1.412085000	8	3.654531000	-6.648198000	-0.221757000
1	5.962437000	2.198822000	-2.843155000	6	3.342515000	-8.002332000	-0.060214000
1	1.912971000	3.654756000	-2.959138000	1	2.602109000	-8.153806000	0.743505000
1	4.294507000	3.856885000	-3.659626000	1	2.955827000	-8.442126000	-0.994958000
7	-0.061717000	-2.831511000	-1.640947000	1	4.273290000	-8.509815000	0.214250000
29	0.056061000	-0.846076000	-1.036766000	8	-6.315838000	-2.007611000	0.471516000
6	-1.166931000	-3.021651000	-2.293097000	6	-7.630096000	-1.567866000	0.662395000
7	-1.633709000	-0.719501000	-2.118696000	1	-7.884557000	-0.740153000	-0.021502000
6	-2.028019000	-1.896209000	-2.509768000	1	-8.283801000	-2.419792000	0.447067000
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6	-2.453294000	0.403363000	-2.163473000	6	6.587360000	3.762041000	0.368817000
6	-3.848266000	0.345731000	-2.314707000	1	6.796047000	3.590643000	1.438207000
6	-1.859562000	1.660324000	-1.956875000	1	6.500055000	2.788122000	-0.143623000
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6	-2.618172000	2.809329000	-1.899516000	7	3.778516000	-0.730858000	0.367466000
6	-4.011708000	2.739814000	-2.040958000	7	3.233820000	-1.522965000	1.230058000
1	-4.356400000	-0.615980000	-2.426722000	7	1.913398000	-1.385518000	1.120894000
1	-0.772101000	1.703317000	-1.840253000	6	1.031176000	-2.164137000	1.952995000
1	-5.705294000	1.410689000	-2.353184000	1	0.366203000	-2.768668000	1.303706000
1	-2.162093000	3.790977000	-1.749369000	1	1.673224000	-2.865429000	2.511918000
6	0.827495000	-3.844650000	-1.324659000	1	1.811464000	0.079234000	3.274159000
6	2.175340000	-3.500372000	-1.102022000	6	0.756041000	-0.149213000	3.452280000
6	0.440632000	-5.185180000	-1.162434000	6	0.202999000	-1.300043000	2.874356000
6	3.099327000	-4.455368000	-0.743783000	6	-1.116349000	-1.637713000	3.183079000
6	1.361851000	-6.150503000	-0.790779000	1	-1.554594000	-2.545824000	2.754431000
6	2.704583000	-5.793283000	-0.581820000	6	-1.884102000	-0.819695000	4.006560000
1	2.486367000	-2.462582000	-1.257143000	1	-2.921006000	-1.091618000	4.224512000
1	-0.608508000	-5.471364000	-1.279723000	6	-1.340092000	0.347736000	4.536834000
1	4.147094000	-4.195813000	-0.576089000	1	-1.945478000	0.992626000	5.179459000
1	1.027627000	-7.179235000	-0.643481000	1	0.434084000	1.572715000	4.705959000
6	1.695334000	3.134159000	1.234319000	6	-0.012458000	0.675005000	4.269015000
6	1.877138000	4.413468000	0.665794000	Ac-L3			
6	2.829644000	2.366440000	1.536255000	7	-0.440576000	1.878174000	2.008359000
6	3.139150000	4.858122000	0.347786000	29	-0.758305000	0.146552000	1.040856000
6	4.103779000	2.813882000	1.242800000	6	-1.484787000	2.314981000	2.606769000

7	-2.680636000	0.483122000	1.790980000	6	1.959227000	4.832088000	1.681948000
6	-2.731341000	1.554741000	2.480456000	6	2.929014000	4.161869000	0.709195000
1	-1.481630000	3.242707000	3.199453000	1	2.518076000	4.193536000	-0.319366000
1	-3.644123000	1.932638000	2.964260000	1	3.839432000	2.214298000	0.429688000
6	-0.426143000	-1.491165000	0.149770000	1	3.887668000	4.708383000	0.689026000
6	-0.541422000	-2.704700000	-0.096534000	6	3.147781000	2.711041000	1.135197000
6	-0.560339000	-4.102159000	-0.318103000	6	3.718355000	2.655226000	2.552880000
6	0.228402000	-4.948124000	0.489761000	1	3.891458000	1.604526000	2.850257000
6	-1.341992000	-4.678135000	-1.339372000	1	4.696554000	3.164687000	2.594523000
6	0.224481000	-6.320104000	0.284566000	6	2.531563000	4.781822000	3.100232000
6	-1.329810000	-6.050467000	-1.543017000	1	1.848049000	5.289497000	3.803829000
6	-0.551526000	-6.875175000	-0.732158000	6	2.740147000	3.325872000	3.521037000
1	0.832246000	-4.500468000	1.285524000	1	3.147930000	3.288985000	4.545297000
1	-1.949194000	-4.025946000	-1.973533000	6	1.397476000	2.590508000	3.499239000
1	0.833461000	-6.966575000	0.922086000	1	1.517250000	1.537272000	3.811967000
1	-1.936783000	-6.485712000	-2.341250000	1	0.687431000	3.063137000	4.204020000
1	-0.549857000	-7.956285000	-0.893319000	1	3.489877000	5.327604000	3.140194000
7	0.766860000	1.233350000	-2.189825000	1	-5.443234000	-3.600374000	-0.053726000
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6	1.980113000	1.583429000	-2.423542000	6	-0.038301000	3.480673000	-2.966739000
7	2.710480000	-0.287756000	-1.205605000	1	0.474717000	3.967140000	-2.110024000
6	3.042028000	0.694960000	-1.957540000	1	0.658322000	3.502870000	-3.824535000
1	2.254010000	2.506425000	-2.953630000	1	-1.635213000	0.992817000	-1.180891000
1	4.080476000	0.894898000	-2.267923000	6	-1.379410000	2.044567000	-1.424631000
6	-3.816290000	-0.375746000	1.531278000	1	-0.891149000	2.486796000	-0.533090000
6	-3.929446000	-0.497142000	-0.000098000	1	-1.043691000	5.273347000	-3.617663000
1	-4.140911000	0.507551000	-0.417092000	6	-1.312022000	4.238687000	-3.345463000
1	-2.956934000	-0.837655000	-0.404146000	6	-2.278923000	4.249459000	-2.162344000
1	-5.075878000	0.207498000	3.201310000	1	-1.813256000	4.755099000	-1.295818000
6	-5.147019000	0.111068000	2.100910000	1	-3.332624000	2.802255000	-0.934180000
1	-5.389138000	1.112872000	1.695524000	1	-3.186414000	4.823321000	-2.417930000
1	-5.105591000	-1.559056000	-1.456968000	6	-2.643510000	2.811155000	-1.799217000
6	-5.035925000	-1.486610000	-0.357834000	6	-3.298876000	2.116252000	-2.993989000
6	-6.364489000	-0.995626000	0.215998000	1	-3.580586000	1.082113000	-2.722374000
1	-6.630134000	-0.016491000	-0.221604000	1	-4.228133000	2.639536000	-3.278741000
1	-7.208533000	-0.522274000	2.154736000	6	-1.963255000	3.543498000	-4.543582000
1	-7.176424000	-1.694213000	-0.050773000	1	-1.277153000	3.555721000	-5.408992000
6	-6.254009000	-0.884806000	1.737356000	6	-2.322567000	2.104108000	-4.171460000
6	-5.921150000	-2.258084000	2.323691000	1	-2.788391000	1.600688000	-5.035527000
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1	-6.726464000	-2.973201000	2.081834000	1	-1.284037000	0.296498000	-3.501542000
6	-4.681607000	-2.853814000	0.230473000	1	-0.344143000	1.302634000	-4.631302000
1	-3.713652000	-3.202511000	-0.177722000	6	3.704512000	-1.248696000	-0.723588000
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1	-3.394755000	-1.662060000	3.220532000	1	5.161455000	0.276243000	-0.203936000
1	-2.508422000	-2.091902000	1.734073000	6	4.632190000	-0.561430000	0.291299000
6	0.818982000	2.632376000	2.078083000	1	4.018357000	-0.131047000	1.106668000
6	0.618722000	4.097359000	1.654190000	1	3.419438000	-4.226355000	1.019496000
1	0.180403000	4.122358000	0.635979000	6	3.969617000	-3.407581000	0.524458000
1	-0.094365000	4.602672000	2.329901000	6	4.884986000	-2.714202000	1.534248000
1	1.926908000	0.911815000	1.382226000	1	4.291948000	-2.322826000	2.380231000
6	1.809383000	1.982899000	1.115642000	1	6.293856000	-1.065671000	1.567611000
1	1.360423000	2.019099000	0.106160000	1	5.605560000	-3.436348000	1.955883000
1	1.795411000	5.881567000	1.383861000	6	5.635889000	-1.574984000	0.842619000

6	6.471420000	-2.136762000	-0.308838000	1	1.281221000	-4.775220000	2.176857000
1	7.036270000	-1.325453000	-0.802405000	6	-0.349384000	0.497153000	3.168311000
1	7.216953000	-2.851331000	0.080562000	6	0.152097000	0.325698000	4.606636000
6	4.802691000	-3.970987000	-0.627395000	1	0.814433000	-0.559837000	4.662110000
1	4.149367000	-4.490565000	-1.350355000	1	0.747270000	1.200238000	4.923439000
6	5.554700000	-2.832226000	-1.316470000	1	-1.555092000	-0.560602000	1.734723000
1	6.154877000	-3.232012000	-2.151447000	6	-1.197200000	-0.715418000	2.773713000
6	4.553110000	-1.817226000	-1.871297000	1	-0.567106000	-1.625387000	2.764469000
1	5.097369000	-1.004035000	-2.385230000	1	-0.666849000	0.053191000	6.581768000
1	3.884881000	-2.287971000	-2.615385000	6	-1.043017000	0.174150000	5.551933000
1	5.519299000	-4.720213000	-0.248269000	6	-1.867928000	-1.049270000	5.154873000
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RC-L3				1	-2.968677000	-1.757010000	3.428113000
7	-3.301594000	0.888064000	-0.226433000	1	-2.714154000	-1.176911000	5.851856000
29	-1.240688000	0.888371000	-0.660372000	6	-2.380734000	-0.871322000	3.726058000
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7	-1.535038000	2.847099000	-0.483113000	1	-3.632617000	0.503867000	2.604148000
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1	-2.958254000	4.149535000	0.336087000	1	-1.329942000	2.318562000	5.775392000
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6	-0.565283000	-1.442217000	-2.140476000	1	-3.044773000	2.516430000	3.970491000
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6	-2.315743000	-2.582973000	-5.217071000	6	3.711184000	0.469778000	-0.643143000
6	-1.528304000	-4.515954000	-4.014015000	6	4.621967000	1.689656000	-0.797010000
6	-2.223153000	-3.968069000	-5.090654000	1	4.000142000	2.582828000	-0.997486000
1	-1.795628000	-0.663460000	-4.373452000	1	5.181748000	1.878778000	0.137571000
1	-0.423610000	-4.128694000	-2.202361000	1	2.352326000	-0.716755000	-1.826075000
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1	-2.684651000	-4.620046000	-5.836456000	1	6.261653000	2.347225000	-2.034334000
7	2.704479000	0.589043000	0.396281000	6	5.624538000	1.452700000	-1.929142000
29	0.668309000	-0.227653000	0.404622000	6	4.878128000	1.189700000	-3.236462000
6	2.830587000	1.363686000	1.405478000	1	4.254892000	2.064145000	-3.500690000
7	0.727402000	0.633497000	2.183565000	1	3.456279000	-0.248416000	-4.020153000
6	1.789805000	1.309444000	2.430672000	1	5.598387000	1.051348000	-4.061401000
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1	1.949925000	1.840454000	3.381063000	6	4.860455000	-1.263785000	-2.721186000
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7	1.705330000	-2.844076000	-0.071940000	6	6.491152000	0.242879000	-1.574601000
6	3.075406000	-3.568931000	2.168884000	1	7.054224000	0.437174000	-0.644001000
6	2.377159000	-4.781588000	2.194911000	6	5.603722000	-0.991222000	-1.412292000
6	4.470863000	-3.585102000	2.186491000	1	6.220884000	-1.865672000	-1.143402000
6	3.066077000	-5.986851000	2.245689000	6	4.587061000	-0.751458000	-0.295235000
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1	5.020559000	-2.637528000	2.160620000	1	5.093845000	-0.560992000	0.672486000
6	4.459865000	-5.993792000	2.273232000	1	7.238320000	0.066598000	-2.367509000
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1	6.254170000	-4.795650000	2.264798000	6	-0.506669000	3.879156000	-0.630663000
1	5.000624000	-6.942737000	2.315622000	6	0.674290000	3.280910000	-1.396772000
6	2.330468000	-2.269589000	2.090540000	1	1.053919000	2.413687000	-0.817149000
1	3.037501000	-1.417851000	2.077733000	1	0.321208000	2.886644000	-2.368742000
1	1.669546000	-2.116308000	2.962480000	1	-0.846293000	4.717776000	1.349002000

6	-0.003037000	4.321747000	0.750003000	6	2.137698000	3.859394000	1.028906000
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6	1.772496000	4.326736000	-1.579066000	6	2.976367000	5.641066000	-0.927647000
6	2.259426000	4.776299000	-0.200016000	6	3.522224000	5.711144000	0.350992000
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6	0.536133000	6.580913000	-0.175514000	1	4.278609000	6.464172000	0.586183000
1	-0.297451000	7.037531000	0.387567000	7	2.247766000	-1.095025000	-0.756304000
1	1.315501000	7.356253000	-0.272783000	29	0.195465000	-0.190295000	-0.892560000
6	1.221584000	5.530927000	-2.343317000	6	2.122991000	-2.364279000	-0.799073000
1	0.884426000	5.223618000	-3.348813000	7	-0.235201000	-2.145932000	-0.844886000
6	0.058297000	6.138126000	-1.559758000	6	0.780068000	-2.930004000	-0.894508000
1	-0.347307000	7.005555000	-2.107382000	1	2.977212000	-3.062334000	-0.749955000
6	-1.047681000	5.095916000	-1.397062000	1	0.671880000	-4.025114000	-0.950510000
1	-1.898125000	5.545092000	-0.853930000	7	0.238067000	2.735081000	-2.471353000
1	-1.426582000	4.762314000	-2.380264000	7	-0.248299000	0.489702000	-2.703908000
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6	-3.675621000	-1.485570000	0.165379000	6	0.316625000	-1.431101000	-4.181499000
1	-2.624420000	-1.625140000	-0.152838000	6	1.677349000	-1.323405000	-3.901421000
1	-3.682821000	-1.361815000	1.264440000	6	-0.148864000	-2.575369000	-4.838334000
1	-4.566561000	0.538712000	-2.488953000	6	2.547964000	-2.360054000	-4.235007000
6	-4.200016000	-0.391673000	-2.015956000	6	0.716082000	-3.608922000	-5.173790000
1	-3.152119000	-0.538947000	-2.335160000	1	-1.212673000	-2.653866000	-5.089967000
1	-4.131247000	-3.589413000	0.247754000	6	2.070111000	-3.507445000	-4.860677000
6	-4.538343000	-2.683008000	-0.232070000	1	3.616524000	-2.269531000	-4.021243000
6	-4.516981000	-2.850253000	-1.752210000	1	0.334568000	-4.496426000	-5.685563000
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6	-6.503513000	-1.343892000	-1.938619000	6	-3.564599000	2.184100000	0.627003000
1	-6.921139000	-0.443560000	-2.424122000	6	-3.352851000	1.833081000	-0.858900000
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6	-5.971989000	-2.444134000	0.242690000	1	-3.854860000	0.868557000	-1.061565000
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6	-6.522419000	-1.179490000	-0.416652000	6	-2.875625000	3.528498000	0.925536000
1	-7.556312000	-1.000457000	-0.075788000	1	-1.790966000	3.418496000	0.741472000
6	-5.661235000	0.028474000	-0.033061000	1	-3.779542000	2.667217000	-2.795062000
1	-6.074350000	0.930898000	-0.521268000	6	-3.942388000	2.934801000	-1.736627000
1	-5.688565000	0.201211000	1.061600000	6	-3.240898000	4.256968000	-1.424935000
1	-6.608790000	-3.308492000	-0.014129000	1	-2.156608000	4.163402000	-1.624564000
1	2.015213000	6.284170000	-2.488745000	1	-2.972421000	5.575779000	0.273250000
TS1-L3				1	-3.625968000	5.055478000	-2.082389000
7	-2.868579000	1.190299000	1.412742000	6	-3.473064000	4.620465000	0.041867000
29	-0.819238000	0.730756000	1.195620000	6	-4.971108000	4.735406000	0.325746000
6	-3.412016000	0.392419000	2.245255000	1	-5.416357000	5.535575000	-0.290619000
7	-1.255221000	-0.439302000	2.735659000	6	-5.440523000	3.053189000	-1.456021000
6	-2.509938000	-0.502767000	2.989130000	1	-5.951226000	2.104932000	-1.703588000
1	-4.492611000	0.362336000	2.457351000	6	-5.656895000	3.403133000	0.017013000
1	-2.933432000	-1.161385000	3.761015000	1	-6.737059000	3.482828000	0.226230000
6	0.209051000	1.572118000	-0.124183000	6	-5.062118000	2.299814000	0.899213000
6	0.672341000	2.692566000	-0.502579000	1	-5.235384000	2.530122000	1.968076000
6	1.580512000	3.774641000	-0.267602000	1	-5.560313000	1.333488000	0.684035000

1	-5.888191000	3.832998000	-2.096240000	1	-2.452836000	-0.907335000	-1.615460000	
6	-0.237323000	-1.126447000	3.523388000	1	-3.549918000	-4.715084000	-2.826846000	
6	0.854553000	-1.654998000	2.581025000	6	-3.341292000	-4.102811000	-1.933209000	
1	0.422479000	-2.398829000	1.888343000	6	-4.322154000	-2.928899000	-1.874379000	
1	1.220452000	-0.812933000	1.956820000	1	-4.234806000	-2.313853000	-2.788451000	
1	-1.525846000	-1.879824000	5.105722000	1	-4.717974000	-1.221222000	-0.589706000	
6	-0.770244000	-2.262640000	4.395385000	1	-5.359948000	-3.303187000	-1.839374000	
1	-1.268966000	-3.020063000	3.758257000	6	-4.021005000	-2.079248000	-0.639556000	
1	2.755870000	-2.658113000	2.688749000	6	-4.169800000	-2.935540000	0.618943000	
6	1.992304000	-2.275063000	3.389908000	1	-5.205414000	-3.306773000	0.709784000	
6	1.443467000	-3.423685000	4.236786000	6	-3.485003000	-4.960021000	-0.675797000	
1	1.011690000	-4.205363000	3.585831000	1	-2.793454000	-5.820167000	-0.719093000	
1	-0.021336000	-3.709082000	5.807599000	6	-3.189454000	-4.106709000	0.557246000	
1	2.258331000	-3.899286000	4.809482000	1	-3.284789000	-4.721690000	1.468719000	
6	0.378449000	-2.885763000	5.192155000	6	-1.764876000	-3.557751000	0.479340000	
6	0.988274000	-1.814471000	6.098194000	1	-1.562228000	-2.912886000	1.356384000	
1	1.798972000	-2.250714000	6.706744000	1	-1.028260000	-4.382675000	0.492327000	
6	2.608532000	-1.211157000	4.298491000	1	-4.505240000	-5.376019000	-0.611965000	
1	3.028881000	-0.385516000	3.695700000	1	4.613912000	1.675244000	1.722954000	
6	1.535537000	-0.670804000	5.243306000	1	0.228661000	-1.436023000	6.805076000	
1	1.967061000	0.109066000	5.893531000	1	-5.138163000	5.016532000	1.380864000	
6	0.400927000	-0.051998000	4.425995000	1	-3.968299000	-2.325335000	1.520628000	
1	-0.377432000	0.372516000	5.086424000	IC-L3				
1	0.773151000	0.771425000	3.784729000	7	-3.029657000	-0.032807000	1.317957000	
1	3.443121000	-1.641116000	4.878970000	29	-0.984945000	0.412080000	1.076145000	
6	3.567795000	-0.478269000	-0.596631000	6	-3.166357000	-1.003288000	2.136779000	
6	4.539043000	-0.877210000	-1.718017000	7	-0.874657000	-0.793129000	2.651865000	
1	4.672869000	-1.975592000	-1.739727000	6	-1.990437000	-1.357606000	2.937354000	
1	4.113186000	-0.570122000	-2.689179000	1	-4.111023000	-1.547422000	2.290514000	
1	3.460243000	-0.603739000	1.553065000	1	-2.108278000	-2.060146000	3.774047000	
6	4.177008000	-0.876548000	0.756626000	6	-0.530607000	1.374383000	-0.459313000	
1	4.321228000	-1.973716000	0.797477000	6	-0.713994000	2.484343000	-1.171322000	
1	6.570390000	-0.485536000	-2.316874000	6	-1.194968000	3.764423000	-0.625904000	
6	5.884603000	-0.177412000	-1.509048000	6	-1.049375000	4.051250000	0.740268000	
6	6.472693000	-0.574724000	-0.155175000	6	-1.841400000	4.694296000	-1.449375000	
1	6.649752000	-1.664852000	-0.118736000	6	-1.565841000	5.223847000	1.275362000	
1	5.927985000	-0.450277000	1.939436000	6	-2.352944000	5.869917000	-0.909310000	
1	7.453223000	-0.088446000	-0.012974000	6	-2.224742000	6.136025000	0.452254000	
6	5.512130000	-0.158264000	0.959479000	1	-0.508332000	3.339678000	1.377313000	
6	5.301313000	1.357932000	0.915779000	1	-1.937223000	4.478119000	-2.517102000	
1	6.260942000	1.874836000	1.090670000	1	-1.443185000	5.437808000	2.340572000	
6	5.676907000	1.337577000	-1.556904000	1	-2.858914000	6.588336000	-1.560138000	
1	5.270700000	1.635574000	-2.539846000	1	-2.627441000	7.061863000	0.871348000	
6	4.718769000	1.753634000	-0.441598000	7	2.663450000	0.007769000	-0.568193000	
1	4.544444000	2.845369000	-0.474720000	29	0.407488000	-0.163621000	-0.895222000	
6	3.384953000	1.034592000	-0.609725000	6	3.137948000	-1.159738000	-0.765153000	
1	2.711232000	1.291885000	0.226197000	7	0.944524000	-2.072092000	-0.792116000	
1	2.866876000	1.334432000	-1.545563000	6	2.208437000	-2.290293000	-0.787137000	
1	6.645226000	1.855032000	-1.442364000	1	4.211739000	-1.373497000	-0.902853000	
1	-0.815360000	0.320645000	-4.714060000	1	2.623289000	-3.311129000	-0.762500000	
6	-1.593407000	-2.712301000	-0.794390000	7	-0.457105000	2.529717000	-2.573519000	
6	-1.910364000	-3.569587000	-2.024792000	7	0.005561000	0.324144000	-2.719680000	
1	-1.792399000	-2.944906000	-2.925000000	7	-0.219845000	1.498260000	-3.219564000	
1	-1.190048000	-4.403916000	-2.113867000	6	1.421249000	-1.261559000	-4.021415000	
1	-2.337718000	-0.941211000	0.151130000	6	2.554827000	-0.472541000	-3.838290000	
6	-2.589040000	-1.558322000	-0.730850000	6	1.576767000	-2.555915000	-4.528673000	

6	3.822398000	-0.980861000	-4.118607000	1	0.284583000	1.266453000	3.715875000
6	2.839224000	-3.069864000	-4.799815000	1	3.709282000	0.419101000	5.028554000
1	0.689499000	-3.165561000	-4.730289000	6	3.526829000	1.185846000	-0.481786000
6	3.969908000	-2.284351000	-4.583632000	6	4.637766000	1.245518000	-1.540287000
1	4.707518000	-0.351344000	-3.988505000	1	5.292102000	0.356142000	-1.480140000
1	2.942553000	-4.084295000	-5.194520000	1	4.182466000	1.260477000	-2.543476000
1	4.964765000	-2.680567000	-4.803469000	1	3.382723000	1.139483000	1.672447000
6	0.043527000	-0.727387000	-3.726250000	6	4.180196000	1.194934000	0.911604000
1	-0.601692000	-1.561536000	-3.394244000	1	4.813216000	0.291957000	1.019507000
1	2.427344000	0.551437000	-3.466748000	1	6.260734000	2.536730000	-2.120171000
6	-4.078146000	0.458324000	0.447046000	6	5.471676000	2.515910000	-1.349196000
6	-3.749529000	-0.010729000	-0.986893000	6	6.108719000	2.511700000	0.039375000
1	-2.707669000	0.258562000	-1.241457000	1	6.782684000	1.643118000	0.149863000
1	-3.828513000	-1.115253000	-1.012567000	1	5.456518000	2.450108000	2.106321000
1	-4.233940000	2.307281000	1.554374000	1	6.728275000	3.414876000	0.175148000
6	-4.006116000	1.987732000	0.521006000	6	5.007788000	2.465908000	1.097710000
1	-2.970306000	2.292400000	0.305035000	6	4.101321000	3.689753000	0.951582000
1	-4.480787000	0.287696000	-2.985341000	1	4.687279000	4.611815000	1.109262000
6	-4.734295000	0.625072000	-1.965628000	6	4.567422000	3.739586000	-1.502473000
6	-4.615906000	2.148215000	-1.881942000	1	4.121117000	3.760216000	-2.512412000
1	-3.582162000	2.460035000	-2.128636000	6	3.468342000	3.695357000	-0.441226000
1	-4.892711000	3.712481000	-0.406361000	1	2.806392000	4.570893000	-0.547746000
1	-5.281943000	2.620668000	-2.624394000	6	2.640696000	2.424153000	-0.610656000
6	-4.978315000	2.613251000	-0.471017000	1	1.853986000	2.366553000	0.165692000
6	-6.395645000	2.165231000	-0.111244000	1	2.123938000	2.402329000	-1.592321000
1	-7.130113000	2.613318000	-0.802754000	1	5.161799000	4.663818000	-1.397814000
6	-6.154767000	0.187767000	-1.611102000	1	-0.418277000	-0.333013000	-4.648116000
1	-6.249250000	-0.909825000	-1.697880000	6	-0.002085000	-3.194616000	-0.659401000
6	-6.485028000	0.638842000	-0.187159000	6	0.145217000	-4.196847000	-1.809176000
1	-7.504359000	0.312116000	0.079618000	1	-0.034691000	-3.666760000	-2.758661000
6	-5.493098000	-0.005308000	0.791514000	1	1.177265000	-4.591649000	-1.849199000
1	-5.735688000	0.274941000	1.834600000	1	-1.522445000	-1.913911000	0.161173000
1	-5.570343000	-1.107305000	0.715683000	6	-1.427192000	-2.641108000	-0.667676000
1	-6.877166000	0.627097000	-2.320556000	1	-1.605163000	-2.075254000	-1.602381000
6	0.301997000	-0.893260000	3.512601000	1	-0.736110000	-6.046342000	-2.474987000
6	1.562798000	-0.869505000	2.640322000	6	-0.861365000	-5.335886000	-1.640594000
1	1.568108000	-1.738437000	1.957479000	6	-2.280613000	-4.764659000	-1.659848000
1	1.521987000	0.034549000	1.997990000	1	-2.477176000	-4.263370000	-2.624309000
1	-0.568486000	-2.108767000	5.096513000	1	-3.463158000	-3.346656000	-0.518999000
6	0.311027000	-2.118763000	4.427806000	1	-3.019113000	-5.579661000	-1.567603000
1	0.253581000	-3.042135000	3.818392000	6	-2.442952000	-3.772435000	-0.507857000
1	3.704683000	-0.866176000	2.871170000	6	-2.198521000	-4.487741000	0.820977000
6	2.811602000	-0.863673000	3.520103000	1	-2.938658000	-5.293997000	0.964351000
6	2.814910000	-2.111209000	4.403891000	6	-0.609402000	-6.049688000	-0.312632000
1	2.832500000	-3.022179000	3.778557000	1	0.407660000	-6.480055000	-0.296595000
1	1.569947000	-3.002764000	5.936459000	6	-0.780658000	-5.058655000	0.838263000
1	3.725652000	-2.134324000	5.026723000	1	-0.593466000	-5.566343000	1.800189000
6	1.572982000	-2.106876000	5.293246000	6	0.217668000	-3.911310000	0.683079000
6	1.559243000	-0.848454000	6.163185000	1	0.074830000	-3.173967000	1.496124000
1	2.445413000	-0.832910000	6.820566000	1	1.255596000	-4.287633000	0.749678000
6	2.806178000	0.391048000	4.394727000	1	-1.312146000	-6.892276000	-0.194285000
1	2.827722000	1.300142000	3.766397000	1	3.313079000	3.675724000	1.726294000
6	1.553203000	0.392522000	5.269740000	1	0.673925000	-0.851733000	6.823571000
1	1.532050000	1.302662000	5.892871000	1	-6.658077000	2.515747000	0.902777000
6	0.307945000	0.380548000	4.381792000	1	-2.328052000	-3.780745000	1.663614000
1	-0.614464000	0.404417000	4.991259000				

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7	-2.930302000	1.371942000	1.023190000	6	-3.984744000	3.749690000	-1.672411000
29	-0.901317000	1.080970000	0.748432000	6	-5.439188000	3.964038000	-1.253336000
6	-3.267879000	1.216629000	2.243518000	1	-6.021056000	4.373036000	-2.097293000
7	-1.001547000	0.816618000	2.745419000	6	-5.987573000	1.631500000	-1.955489000
6	-2.209552000	0.799333000	3.172590000	1	-6.442274000	0.671350000	-1.651796000
1	-4.285084000	1.388891000	2.626951000	6	-6.044834000	2.633683000	-0.801759000
1	-2.485177000	0.504814000	4.194626000	1	-7.092493000	2.787102000	-0.492846000
6	0.054338000	1.298163000	-0.825106000	6	-5.251181000	2.093840000	0.393147000
6	0.551372000	2.219209000	-1.674967000	1	-5.302758000	2.814800000	1.231341000
6	1.124763000	3.485239000	-1.201881000	1	-5.689086000	1.139853000	0.748869000
6	0.784954000	4.019768000	0.052292000	1	-6.578844000	2.007825000	-2.808093000
6	2.060712000	4.164541000	-1.995218000	6	0.140391000	0.429859000	3.563702000
6	1.380561000	5.188815000	0.507850000	6	1.071938000	-0.442675000	2.704339000
6	2.648098000	5.337657000	-1.535487000	1	0.521779000	-1.332872000	2.342167000
6	2.317226000	5.851357000	-0.283416000	1	1.376680000	0.133660000	1.804700000
1	0.016650000	3.523761000	0.660202000	1	-0.889416000	0.312261000	5.475567000
1	2.315062000	3.753584000	-2.976014000	6	-0.243795000	-0.320232000	4.839343000
1	1.098915000	5.599001000	1.481413000	1	-0.827875000	-1.224785000	4.568790000
1	3.373500000	5.860667000	-2.164839000	1	2.943140000	-1.488423000	2.880476000
1	2.779141000	6.776383000	0.071192000	6	2.309038000	-0.837697000	3.508407000
7	2.417331000	-1.308953000	-0.565774000	6	1.899379000	-1.591699000	4.771984000
29	0.382491000	-0.566673000	-0.767054000	1	1.359936000	-2.519361000	4.505165000
6	2.370554000	-2.580907000	-0.459115000	1	0.708323000	-1.229533000	6.545266000
7	0.029917000	-2.470759000	-0.147371000	1	2.795047000	-1.896169000	5.340394000
6	1.084300000	-3.199016000	-0.145249000	6	1.009656000	-0.695036000	5.628831000
1	3.256588000	-3.232038000	-0.545366000	6	1.759627000	0.585829000	6.001168000
1	1.068890000	-4.261622000	0.141665000	1	2.657554000	0.339171000	6.593344000
7	0.667575000	1.968321000	-3.044783000	6	3.067065000	0.437855000	3.882756000
7	-0.384667000	0.076393000	-2.595324000	1	3.380736000	0.979151000	2.970151000
7	0.194576000	0.876767000	-3.446696000	6	2.162831000	1.334376000	4.729657000
6	-0.136097000	-2.245764000	-3.479840000	1	2.700588000	2.259993000	4.995755000
6	1.253564000	-2.130374000	-3.466665000	6	0.911794000	1.709253000	3.931742000
6	-0.702166000	-3.495342000	-3.757700000	1	0.254169000	2.373802000	4.521356000
6	2.057509000	-3.252039000	-3.665776000	1	1.175385000	2.245437000	2.998499000
6	0.095517000	-4.615406000	-3.952976000	1	3.985189000	0.189460000	4.443047000
1	-1.792242000	-3.589476000	-3.817034000	6	3.695942000	-0.627892000	-0.788242000
6	1.483720000	-4.499470000	-3.890530000	6	4.492622000	-1.200806000	-1.970229000
1	3.147102000	-3.149457000	-3.659694000	1	4.706779000	-2.274752000	-1.814525000
1	-0.365780000	-5.584054000	-4.164017000	1	3.890831000	-1.107783000	-2.892435000
1	2.116258000	-5.377040000	-4.048349000	1	3.952008000	-0.337875000	1.330701000
6	-1.036165000	-1.060381000	-3.219155000	6	4.540108000	-0.747826000	0.490830000
1	-1.875620000	-1.366435000	-2.563831000	1	4.733666000	-1.816323000	0.707641000
1	1.711729000	-1.148656000	-3.297468000	1	6.364896000	-0.853769000	-2.978505000
6	-3.799489000	1.871962000	-0.020893000	6	5.805928000	-0.428806000	-2.127445000
6	-3.741583000	0.873141000	-1.188318000	6	6.633646000	-0.561545000	-0.848790000
1	-2.678788000	0.714004000	-1.460060000	1	6.877998000	-1.622235000	-0.658317000
1	-4.161252000	-0.095065000	-0.848189000	1	6.439037000	-0.082160000	1.256501000
1	-3.205411000	3.922395000	0.361222000	1	7.594001000	-0.030131000	-0.964053000
6	-3.188707000	3.210947000	-0.485224000	6	5.850269000	0.019885000	0.328449000
1	-2.130346000	3.048623000	-0.766090000	6	5.540381000	1.494458000	0.068130000
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6	-3.913374000	2.742890000	-2.821145000	1	4.921768000	1.155418000	-3.325368000
1	-2.860758000	2.586334000	-3.122214000	6	4.717480000	1.623916000	-1.213755000
1	-3.538200000	4.707807000	-1.987371000	1	4.482023000	2.685424000	-1.400605000
1	-4.447227000	3.134810000	-3.703788000	6	3.412297000	0.847947000	-1.054692000

1	2.807530000	1.251352000	-0.215706000	7	0.163878000	1.691103000	1.858726000
1	2.795425000	0.929408000	-1.972361000	6	1.058373000	1.798770000	2.772412000
1	6.444049000	1.604191000	-2.534258000	1	3.121817000	1.247557000	3.342696000
1	-1.495005000	-0.719425000	-4.165290000	1	0.945173000	2.461624000	3.646587000
6	-1.243899000	-3.004536000	0.362107000	7	-0.151203000	-3.879554000	0.241765000
6	-1.926866000	-3.891921000	-0.684105000	7	-0.944400000	-2.186855000	1.242836000
1	-2.063922000	-3.306384000	-1.606617000	7	-0.878751000	-3.520192000	1.244629000
1	-1.267934000	-4.745436000	-0.935104000	6	-0.533446000	-1.329438000	3.528445000
1	-1.637927000	-1.195661000	1.426566000	6	0.774736000	-1.806722000	3.474113000
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1	-3.755238000	-5.004369000	-0.923745000	6	-0.064314000	-0.343981000	5.693273000
6	-3.285666000	-4.360361000	-0.161048000	1	-1.994990000	-0.300873000	4.743306000
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1	-4.313025000	-2.567245000	-0.840366000	1	2.680313000	-1.940015000	4.482468000
1	-4.142310000	-1.355913000	1.330398000	1	-0.406365000	0.209349000	6.572184000
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1	-2.495949000	-6.044702000	0.964193000	6	-4.178812000	-1.042997000	-0.000753000
6	-2.441962000	-4.249395000	2.185717000	1	-3.228957000	-1.063992000	0.560994000
1	-2.296707000	-4.816171000	3.120962000	1	-4.578389000	-0.010496000	0.051714000
6	-1.072546000	-3.810078000	1.661441000	1	-2.982917000	-3.033406000	-2.563738000
1	-0.549474000	-3.188566000	2.414481000	6	-3.246356000	-2.795028000	-1.517384000
1	-0.451862000	-4.706935000	1.489748000	1	-2.311121000	-2.809381000	-0.931866000
1	-4.089447000	-5.492807000	1.507094000	1	-5.389927000	-1.791749000	1.616469000
1	4.982508000	1.922968000	0.921197000	6	-5.169315000	-2.056267000	0.567409000
1	1.124862000	1.226351000	6.638855000	6	-4.547490000	-3.452278000	0.501074000
1	-5.496024000	4.707244000	-0.438139000	1	-3.613733000	-3.491334000	1.093599000
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P-L3				1	-5.236617000	-4.195284000	0.937900000
7	-2.831131000	-0.442067000	-1.880208000	6	-4.243800000	-3.806302000	-0.954974000
29	-0.993327000	-0.237599000	-0.990465000	6	-5.530230000	-3.770131000	-1.779330000
6	-2.950107000	0.312000000	-2.905191000	1	-6.251332000	-4.510772000	-1.392676000
7	-0.813600000	1.212957000	-2.449515000	6	-6.454980000	-2.015313000	-0.259398000
6	-1.856614000	1.238050000	-3.191729000	1	-6.916521000	-1.013183000	-0.199922000
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6	2.439848000	-2.000841000	-3.430518000	6	1.270578000	2.114460000	-1.544362000
6	2.669274000	-4.330149000	-2.874342000	1	0.747044000	2.418763000	-0.617116000
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1	1.073823000	-0.864060000	-2.209731000	1	-0.916115000	3.676368000	-3.721724000
1	1.521809000	-5.015503000	-1.172339000	6	-0.193013000	3.596324000	-2.891572000
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1	3.104881000	-5.313883000	-3.069536000	1	3.148073000	2.985124000	-0.944972000
1	3.703910000	-3.376971000	-4.517146000	6	2.463985000	3.028720000	-1.809654000
7	2.459097000	0.331134000	1.573776000	6	1.971777000	4.462799000	-1.995479000
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6	2.324487000	1.080430000	2.604520000	1	0.632576000	5.541795000	-3.313295000

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6	1.718290000	4.043896000	-4.441283000	1	-0.048391000	4.119233000	0.780302000
1	2.567591000	4.713743000	-4.659821000	1	0.055111000	4.302382000	2.549963000
6	3.177875000	2.540530000	-3.069970000	1	-3.509716000	5.397842000	3.032823000
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6	4.909051000	0.082534000	2.066006000	15	-1.662698000	-1.646451000	-0.043869000
1	5.042961000	1.180313000	2.012335000	6	-1.671373000	-2.272274000	1.664950000
1	4.733056000	-0.177595000	3.128154000	6	-1.234337000	-3.554644000	2.014818000
1	3.089889000	-0.360828000	-0.836617000	6	-2.201086000	-1.428951000	2.651273000
6	3.968400000	-0.017401000	-0.256816000	6	-1.321062000	-3.980153000	3.337803000
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1	5.914196000	-2.777806000	-0.977342000	6	0.830561000	-2.827101000	-0.378264000
6	5.971918000	-2.145365000	1.704736000	6	0.291209000	-3.827752000	-2.919997000
1	5.813329000	-2.414245000	2.764654000	1	-1.688737000	-3.004026000	-2.679992000
6	4.775146000	-2.580984000	0.859897000	6	1.822561000	-3.496177000	-1.085322000
1	4.613899000	-3.667206000	0.966694000	1	1.029795000	-2.471055000	0.637428000
6	3.517944000	-1.859493000	1.346051000	6	1.552456000	-4.000462000	-2.356273000
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6	-1.834651000	2.371122000	3.185163000	6	-3.693953000	-3.456791000	-0.671586000
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1	-1.201785000	2.594496000	4.063849000	1	-3.772153000	-0.108734000	-1.346937000
1	-1.372027000	2.293764000	-0.230217000	6	-4.929116000	-3.816548000	-1.193716000
6	-1.944269000	2.176047000	0.709596000	1	-3.046177000	-4.214825000	-0.213746000
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6	-2.759179000	4.523035000	0.535500000	1	-3.007353000	4.676627000	-2.185221000
1	-3.645284000	5.180374000	0.504423000	6	-4.432281000	6.047350000	1.159667000
6	-2.628640000	4.733525000	3.020431000	1	-3.219503000	4.540255000	2.121356000
1	-1.996831000	5.028384000	3.877034000	6	-4.822654000	6.614617000	-0.052557000
6	-1.859954000	4.908708000	1.710186000	1	-4.620084000	6.572423000	-2.202234000

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29	0.563757000	2.027987000	0.028367000	15	2.608891000	0.648521000	0.615525000
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6	2.432458000	-0.325529000	1.318509000	6	0.777990000	1.115996000	2.632718000
6	2.696009000	0.079450000	-1.543834000	6	3.012759000	1.910703000	3.113171000
6	3.936397000	-0.424778000	-1.957236000	6	0.345760000	1.584843000	3.869434000
1	4.830962000	-0.251657000	-1.347819000	1	0.077111000	0.598706000	1.959595000
6	4.043023000	-1.113773000	-3.161243000	6	2.575086000	2.382353000	4.345670000
1	5.015042000	-1.498051000	-3.481617000	1	4.068579000	2.007372000	2.833979000
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1	3.013779000	-1.817021000	-4.922411000	1	-0.692044000	1.432592000	4.181570000
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6	4.599216000	2.586322000	-0.762694000	6	3.421079000	3.278490000	-0.031684000
6	4.070400000	1.826130000	0.290966000	6	2.719455000	2.983549000	-2.719116000
1	4.090587000	2.605846000	-1.733556000	1	2.118209000	0.976840000	-2.183907000
1	6.184923000	3.890435000	-1.408080000	6	3.586209000	4.338268000	-0.918251000
6	5.773878000	3.304988000	-0.581635000	1	3.690560000	3.408541000	1.020810000
6	6.425763000	3.279189000	0.650432000	6	3.235821000	4.192500000	-2.258659000
1	7.350055000	3.845657000	0.790674000	1	2.440688000	2.867643000	-3.769913000
6	5.900276000	2.534418000	1.701417000	1	3.993344000	5.287047000	-0.558734000
1	6.409777000	2.514510000	2.668241000	1	3.365064000	5.029866000	-2.949774000
6	4.724381000	1.808986000	1.527816000	6	4.234547000	-0.141577000	0.845309000
1	4.316602000	1.226999000	2.360524000	6	5.098095000	-0.238183000	-0.253827000
6	1.370067000	-0.357965000	2.229756000	6	4.581243000	-0.757553000	2.054170000
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6	3.417075000	-1.322221000	1.370519000	1	4.826447000	0.226645000	-1.208575000
1	4.259707000	-1.296642000	0.669471000	6	5.800005000	-1.420295000	2.171086000
6	3.323512000	-2.347403000	2.304090000	1	3.903299000	-0.710394000	2.913036000
1	4.091723000	-3.124770000	2.338964000	6	6.668054000	-1.488446000	1.084981000
6	2.253075000	-2.380934000	3.200341000	1	6.984264000	-0.969890000	-0.988331000
1	2.180068000	-3.189246000	3.933449000	1	6.074958000	-1.881193000	3.123729000
6	1.285397000	-1.381925000	3.171674000	1	7.628362000	-2.001963000	1.183927000
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RC-L4				6	3.340735000	-3.282481000	-2.292284000
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6	0.196783000	-2.462557000	-0.715411000	1	2.764451000	-2.952124000	-3.161053000
7	0.906242000	-0.910630000	-3.510513000	6	4.782184000	-4.115510000	-0.050206000
7	-1.153121000	-0.355783000	-2.514532000	1	2.984153000	-3.705325000	1.079341000
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6	-1.152250000	2.106556000	-2.143253000	1	5.131475000	-3.689245000	-3.411774000
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6	-1.092010000	3.323701000	-2.825143000	1	6.417994000	-4.441372000	-1.421283000
6	-0.123057000	3.164181000	-0.223244000	29	-1.389467000	-1.446201000	-0.629265000
1	-0.710796000	1.087363000	-0.284859000	15	-3.301471000	-0.722764000	0.250529000
6	-0.554785000	4.452313000	-2.211562000	6	-4.692360000	-0.982983000	-0.893446000
1	-1.477728000	3.388836000	-3.848162000	6	-3.748122000	-1.585887000	1.787758000
6	-0.070731000	4.375347000	-0.908579000	6	-4.665697000	-1.047087000	2.700351000
1	0.252903000	3.098157000	0.804543000	1	-5.086655000	-0.048640000	2.534483000
1	-0.511584000	5.398171000	-2.758354000	6	-5.028608000	-1.770936000	3.830216000
1	0.354236000	5.260208000	-0.426356000	1	-5.743601000	-1.347556000	4.540539000
6	-1.823145000	0.921105000	-2.786525000	6	-4.481519000	-3.032655000	4.057888000

1	-4.769808000	-3.598620000	4.947762000	1	-0.712870000	2.234357000	3.953024000
6	-3.562900000	-3.569235000	3.160330000	1	3.346613000	3.470814000	4.698839000
1	-3.126720000	-4.554521000	3.343651000	1	0.944273000	3.470599000	5.334491000
6	-3.191855000	-2.847546000	2.029860000	6	2.900423000	1.903496000	-0.666194000
1	-2.457807000	-3.258669000	1.325914000	6	2.560646000	1.560196000	-1.980928000
6	-2.704243000	1.474785000	1.841369000	6	3.440941000	3.164260000	-0.395835000
6	-3.376270000	1.045145000	0.686324000	6	2.761459000	2.468004000	-3.014495000
1	-2.274168000	0.728927000	2.523221000	1	2.121208000	0.575866000	-2.190617000
1	-2.081359000	3.157200000	3.037581000	6	3.635844000	4.070984000	-1.433124000
6	-2.600574000	2.829581000	2.131707000	1	3.699478000	3.449052000	0.629064000
6	-3.157169000	3.773779000	1.268894000	6	3.295779000	3.724675000	-2.738942000
1	-3.068309000	4.839856000	1.493789000	1	2.488128000	2.196584000	-4.037663000
6	-3.834904000	3.356738000	0.128384000	1	4.055784000	5.057422000	-1.219407000
1	-4.285709000	4.093346000	-0.542032000	1	3.445844000	4.443181000	-3.549383000
6	-3.952129000	1.998439000	-0.160476000	6	4.180524000	-0.109438000	0.990408000
1	-4.499587000	1.681133000	-1.055256000	6	5.112448000	-0.279285000	-0.040925000
6	-4.452500000	-1.570611000	-2.140714000	6	4.429934000	-0.667536000	2.251133000
1	-3.429279000	-1.853239000	-2.420563000	6	6.295328000	-0.971103000	0.200347000
6	-6.000209000	-0.628633000	-0.536212000	1	4.918732000	0.142483000	-1.033445000
1	-6.195454000	-0.166166000	0.438381000	6	5.618502000	-1.351787000	2.484583000
6	-7.048851000	-0.858236000	-1.417677000	1	3.698298000	-0.552513000	3.059010000
1	-8.068032000	-0.581494000	-1.135636000	6	6.554072000	-1.498663000	1.462757000
6	-6.802464000	-1.445858000	-2.658858000	1	7.024648000	-1.091183000	-0.605318000
1	-7.631386000	-1.629730000	-3.347610000	1	5.818351000	-1.767321000	3.476008000
6	-5.507158000	-1.800950000	-3.021067000	1	7.491092000	-2.029337000	1.652454000
1	-5.315673000	-2.265299000	-3.991825000	6	2.612195000	-3.194146000	-1.090882000
TS1-L4				6	3.399863000	-3.352687000	-2.238599000
29	1.140733000	-0.851822000	0.054759000	6	3.154328000	-3.520656000	0.169257000
6	1.263446000	-2.664653000	-1.108878000	6	4.698691000	-3.836386000	-2.121849000
6	0.164320000	-2.498784000	-0.446736000	1	2.987272000	-3.109081000	-3.218228000
7	1.046761000	-1.795101000	-2.785465000	6	4.448461000	-4.001214000	0.272544000
7	-0.930961000	-0.740909000	-2.273061000	1	2.534449000	-3.383623000	1.062757000
7	0.114948000	-1.084623000	-2.917461000	6	5.225100000	-4.161812000	-0.875347000
6	-1.044639000	1.734140000	-2.372839000	1	5.304929000	-3.968801000	-3.021713000
6	-0.603578000	1.926764000	-1.060817000	1	4.858297000	-4.249912000	1.255256000
6	-0.979432000	2.806130000	-3.264933000	1	6.246375000	-4.544493000	-0.795653000
6	-0.109338000	3.158503000	-0.647211000	29	-1.369745000	-1.469795000	-0.475332000
1	-0.665979000	1.098193000	-0.341031000	15	-3.291352000	-0.645915000	0.327943000
6	-0.484373000	4.041648000	-2.854736000	6	-4.673812000	-1.084454000	-0.768632000
1	-1.321962000	2.669577000	-4.296292000	6	-3.716382000	-1.291728000	1.972757000
6	-0.045517000	4.220763000	-1.545390000	6	-4.632936000	-0.643711000	2.812611000
1	0.229218000	3.290775000	0.387703000	1	-5.069336000	0.316796000	2.515083000
1	-0.434708000	4.869484000	-3.567484000	6	-4.974528000	-1.209438000	4.035795000
1	0.351032000	5.188350000	-1.225184000	1	-5.688291000	-0.700602000	4.688958000
6	-1.637412000	0.417055000	-2.812085000	6	-4.408155000	-2.420750000	4.429114000
1	-1.680189000	0.364381000	-3.912480000	1	-4.679882000	-2.861558000	5.391989000
1	-2.680364000	0.329688000	-2.453887000	6	-3.492158000	-3.065587000	3.603008000
15	2.582341000	0.688352000	0.642473000	1	-3.042176000	-4.011659000	3.914535000
6	2.109071000	1.580927000	2.145982000	6	-3.142349000	-2.501934000	2.379898000
6	0.757637000	1.576732000	2.516726000	1	-2.411452000	-3.000250000	1.731161000
6	3.040194000	2.261126000	2.942759000	6	-2.757145000	1.777390000	1.593244000
6	0.340060000	2.257366000	3.655704000	6	-3.379094000	1.164251000	0.494300000
1	0.031141000	1.019864000	1.906315000	1	-2.354157000	1.156144000	2.404281000
6	2.617585000	2.942609000	4.078890000	1	-2.192177000	3.636838000	2.528494000
1	4.104471000	2.239154000	2.679680000	6	-2.668540000	3.162460000	1.665177000
6	1.269675000	2.942829000	4.434067000	6	-3.187821000	3.950854000	0.638493000

1	-3.110028000	5.039873000	0.692914000	1	3.042789000	1.134853000	-4.210422000
6	-3.812278000	3.351219000	-0.449903000	1	5.053717000	4.200998000	-1.942097000
1	-4.230622000	3.966819000	-1.250603000	1	4.474638000	3.174255000	-4.130463000
6	-3.915138000	1.963834000	-0.521319000	6	3.939587000	-0.440745000	1.084770000
1	-4.416859000	1.500869000	-1.378764000	6	4.822034000	-0.920505000	0.109702000
6	-4.424070000	-1.819757000	-1.932830000	6	4.014820000	-0.937375000	2.393474000
1	-3.395943000	-2.115315000	-2.180745000	6	5.789321000	-1.860631000	0.453185000
6	-5.986459000	-0.707977000	-0.455008000	1	4.766201000	-0.549752000	-0.919132000
1	-6.188432000	-0.129421000	0.453955000	6	4.989528000	-1.870622000	2.728963000
6	-7.031622000	-1.063703000	-1.297579000	1	3.319777000	-0.573931000	3.159534000
1	-8.054944000	-0.769655000	-1.050362000	6	5.882003000	-2.327190000	1.761321000
6	-6.775975000	-1.798356000	-2.455806000	1	6.481510000	-2.225625000	-0.310609000
1	-7.601959000	-2.079872000	-3.114399000	1	5.057300000	-2.238099000	3.756490000
6	-5.475357000	-2.175244000	-2.774401000	1	6.652246000	-3.055871000	2.028891000
1	-5.276506000	-2.752321000	-3.681015000	6	2.165910000	-3.373160000	-0.919524000
IC-L4				6	3.026009000	-3.775101000	-1.947345000
29	0.837525000	-0.508590000	0.226479000	6	2.443126000	-3.749316000	0.404925000
6	0.983097000	-2.547507000	-1.208070000	6	4.137825000	-4.556945000	-1.650921000
6	0.046057000	-2.172093000	-0.303206000	1	2.804282000	-3.480434000	-2.975322000
7	0.875857000	-2.125288000	-2.552451000	6	3.547813000	-4.535167000	0.690136000
7	-0.859602000	-0.768297000	-2.112726000	1	1.773745000	-3.420031000	1.208669000
7	0.033592000	-1.264535000	-2.896185000	6	4.396394000	-4.945041000	-0.339395000
6	-0.688524000	1.664028000	-2.445297000	1	4.802512000	-4.878086000	-2.457282000
6	-0.428284000	2.107309000	-1.143247000	1	3.755079000	-4.829030000	1.722703000
6	-0.172898000	2.388481000	-3.519552000	1	5.265468000	-5.569871000	-0.114915000
6	0.320993000	3.257850000	-0.920929000	29	-1.547186000	-1.298490000	-0.343245000
1	-0.847425000	1.553713000	-0.289777000	15	-3.493533000	-0.447745000	0.349698000
6	0.580184000	3.540380000	-3.299014000	6	-4.837097000	-0.692764000	-0.844181000
1	-0.369736000	2.047753000	-4.541376000	6	-4.074955000	-1.094953000	1.941379000
6	0.829544000	3.976331000	-2.001749000	6	-4.934030000	-0.358214000	2.768032000
1	0.506295000	3.602861000	0.102994000	1	-5.224243000	0.662056000	2.491279000
1	0.979320000	4.099361000	-4.150144000	6	-5.403855000	-0.915636000	3.951744000
1	1.421938000	4.879460000	-1.829798000	1	-6.072377000	-0.338931000	4.596211000
6	-1.508482000	0.421642000	-2.679684000	6	-5.021988000	-2.205246000	4.317231000
1	-1.668786000	0.264069000	-3.758566000	1	-5.393435000	-2.639171000	5.249393000
1	-2.499592000	0.517037000	-2.201665000	6	-4.162159000	-2.938709000	3.504156000
15	2.607671000	0.730256000	0.659161000	1	-3.856076000	-3.946499000	3.795968000
6	2.548359000	1.917345000	2.023111000	6	-3.685127000	-2.384979000	2.320631000
6	1.304023000	2.383732000	2.465589000	1	-2.998114000	-2.954198000	1.682564000
6	3.719303000	2.368375000	2.648474000	6	-2.636169000	1.813972000	1.696440000
6	1.234663000	3.305615000	3.505462000	6	-3.359131000	1.348699000	0.586752000
1	0.385516000	2.009894000	1.989389000	1	-2.298480000	1.105198000	2.464082000
6	3.643353000	3.290115000	3.686389000	1	-1.804799000	3.530219000	2.698874000
1	4.693411000	1.981913000	2.325668000	6	-2.352854000	3.169081000	1.823684000
6	2.402535000	3.760229000	4.112486000	6	-2.778478000	4.070053000	0.847452000
1	0.264144000	3.664214000	3.858700000	1	-2.551283000	5.134441000	0.948801000
1	4.558083000	3.639990000	4.171814000	6	-3.498776000	3.613616000	-0.251328000
1	2.345279000	4.479269000	4.933965000	1	-3.837878000	4.317616000	-1.015469000
6	3.183474000	1.581777000	-0.835099000	6	-3.790531000	2.257566000	-0.384907000
6	2.839157000	1.018601000	-2.070990000	1	-4.354093000	1.905310000	-1.256470000
6	3.978484000	2.730863000	-0.791894000	6	-4.585179000	-1.389398000	-2.031256000
6	3.312052000	1.583243000	-3.250276000	1	-3.576891000	-1.774522000	-2.233294000
1	2.197513000	0.126722000	-2.112605000	6	-6.125262000	-0.206882000	-0.583283000
6	4.433868000	3.301094000	-1.977261000	1	-6.328049000	0.338032000	0.346374000
1	4.238737000	3.189467000	0.167411000	6	-7.144555000	-0.415036000	-1.503486000
6	4.108376000	2.725274000	-3.203166000	1	-8.149343000	-0.036721000	-1.298582000

6	-6.887026000	-1.110701000	-2.685134000	1	-6.199642000	2.708357000	0.011046000
1	-7.693289000	-1.276357000	-3.404687000	1	-4.439313000	2.490894000	3.938308000
6	-5.610650000	-1.596796000	-2.950197000	1	-6.066963000	3.519233000	2.359247000
1	-5.411722000	-2.144419000	-3.874825000	6	-1.948687000	3.470312000	-0.899839000
TS2-L4				6	-2.824363000	3.978402000	-1.866938000
29	-0.721955000	0.271847000	0.165604000	6	-2.091242000	3.863992000	0.440423000
6	-0.893753000	2.519896000	-1.278118000	6	-3.817554000	4.877964000	-1.494491000
6	-0.032131000	1.956559000	-0.386778000	1	-2.706640000	3.669091000	-2.907815000
7	-0.839286000	2.169613000	-2.626082000	6	-3.075690000	4.770504000	0.800119000
7	0.715907000	0.681695000	-2.084207000	1	-1.410722000	3.456345000	1.197069000
7	-0.063428000	1.228682000	-2.953610000	6	-3.940381000	5.282475000	-0.167966000
6	0.406295000	-1.750154000	-2.349699000	1	-4.494966000	5.278985000	-2.253119000
6	0.254900000	-2.302932000	-1.071530000	1	-3.175707000	5.079202000	1.844271000
6	-0.304735000	-2.301487000	-3.415577000	1	-4.714066000	6.001600000	0.115296000
6	-0.574392000	-3.403119000	-0.869898000	29	1.652208000	1.251513000	-0.318070000
1	0.833703000	-1.887061000	-0.232128000	15	3.589774000	0.382160000	0.302710000
6	-1.139870000	-3.398077000	-3.213753000	6	4.862111000	0.387539000	-0.986963000
1	-0.192917000	-1.868903000	-4.415475000	6	4.335698000	1.091433000	1.794637000
6	-1.272794000	-3.951723000	-1.944026000	6	5.133897000	0.327524000	2.656547000
1	-0.662746000	-3.849461000	0.126308000	1	5.278950000	-0.742901000	2.469522000
1	-1.689514000	-3.826021000	-4.056927000	6	5.729490000	0.926007000	3.761387000
1	-1.921205000	-4.818702000	-1.789603000	1	6.350033000	0.328556000	4.434303000
6	1.319244000	-0.574759000	-2.563451000	6	5.533793000	2.282695000	4.011954000
1	1.559685000	-0.457724000	-3.632978000	1	6.002674000	2.748393000	4.882834000
1	2.264470000	-0.725718000	-2.013344000	6	4.736160000	3.044966000	3.162375000
15	-2.635148000	-0.712594000	0.657667000	1	4.576483000	4.107048000	3.364674000
6	-2.728000000	-1.947817000	1.975032000	6	4.134019000	2.451558000	2.058197000
6	-1.549872000	-2.564366000	2.411727000	1	3.495771000	3.044903000	1.392655000
6	-3.949646000	-2.282510000	2.575591000	6	2.526326000	-1.640336000	1.856125000
6	-1.595445000	-3.525909000	3.416357000	6	3.284485000	-1.365070000	0.706563000
1	-0.591892000	-2.274566000	1.957194000	1	2.253344000	-0.824625000	2.538450000
6	-3.989451000	-3.242623000	3.580220000	1	1.568423000	-3.156141000	3.047472000
1	-4.869784000	-1.777380000	2.257750000	6	2.135877000	-2.945394000	2.135943000
6	-2.814580000	-3.866782000	3.996779000	6	2.477663000	-3.981539000	1.265986000
1	-0.675427000	-4.008336000	3.758424000	1	2.167670000	-5.006609000	1.485976000
1	-4.942919000	-3.503222000	4.046940000	6	3.224206000	-3.711194000	0.123230000
1	-2.849422000	-4.618359000	4.789950000	1	3.495759000	-4.521531000	-0.558115000
6	-3.363429000	-1.404915000	-0.852820000	6	3.631819000	-2.408032000	-0.157976000
6	-3.071413000	-0.748832000	-2.056354000	1	4.217187000	-2.202738000	-1.061424000
6	-4.217688000	-2.512091000	-0.856220000	6	4.570613000	0.941640000	-2.238492000
6	-3.656571000	-1.174539000	-3.244109000	1	3.577887000	1.372837000	-2.424981000
1	-2.386040000	0.111391000	-2.066212000	6	6.133195000	-0.148975000	-0.742019000
6	-4.781972000	-2.946754000	-2.051985000	1	6.368177000	-0.576605000	0.240077000
1	-4.437552000	-3.044801000	0.074491000	6	7.095754000	-0.135419000	-1.743222000
6	-4.510235000	-2.274899000	-3.241927000	1	8.087696000	-0.552507000	-1.551417000
1	-3.431155000	-0.649872000	-4.176474000	6	6.798452000	0.416210000	-2.989778000
1	-5.447012000	-3.814571000	-2.052835000	1	7.560742000	0.429790000	-3.773349000
1	-4.965462000	-2.614929000	-4.176184000	6	5.539538000	0.954217000	-3.238382000
6	-3.775808000	0.615976000	1.169100000	1	5.311398000	1.391987000	-4.213439000
6	-4.677347000	1.209689000	0.278324000	P-L4			
6	-3.680495000	1.098050000	2.482390000	29	-0.719435000	-0.168144000	-0.540153000
6	-5.492421000	2.252949000	0.709797000	6	-0.894415000	1.521340000	-2.516073000
1	-4.759268000	0.849976000	-0.752141000	6	-0.132351000	0.334437000	-2.424733000
6	-4.504190000	2.133927000	2.906898000	7	-1.746418000	1.433510000	-3.564194000
1	-2.970068000	0.642417000	3.182638000	7	-0.647279000	-0.375865000	-3.487903000
6	-5.415828000	2.707663000	2.022647000	7	-1.579171000	0.290218000	-4.150174000

6	0.070986000	-2.504395000	-2.686692000	1	-2.796810000	5.373455000	-0.763676000
6	1.392756000	-2.692228000	-2.270649000	1	1.043059000	4.141069000	0.784814000
6	-0.974739000	-2.885333000	-1.841050000	1	-0.873445000	5.763592000	0.760960000
6	1.668939000	-3.211446000	-1.001121000	29	1.509743000	-0.145497000	-1.512226000
1	2.211233000	-2.434097000	-2.956339000	15	3.027820000	0.033543000	0.077831000
6	-0.701354000	-3.405875000	-0.580388000	6	4.583618000	-0.893696000	0.004576000
1	-2.012607000	-2.740471000	-2.169942000	6	3.506250000	1.774514000	0.330659000
6	0.620388000	-3.547423000	-0.149540000	6	3.799748000	2.300789000	1.595460000
1	2.707597000	-3.350646000	-0.680102000	1	3.717018000	1.671644000	2.488948000
1	-1.529305000	-3.693090000	0.078255000	6	4.185174000	3.632027000	1.721572000
1	0.831800000	-3.944426000	0.848700000	1	4.413508000	4.038693000	2.710272000
6	-0.247771000	-1.705331000	-3.916225000	6	4.280830000	4.444178000	0.593275000
1	-1.091351000	-2.120796000	-4.487847000	1	4.579970000	5.490448000	0.698331000
1	0.621299000	-1.636801000	-4.592215000	6	3.990889000	3.927481000	-0.667460000
15	-2.490423000	-0.332820000	0.743518000	1	4.057692000	4.564856000	-1.552637000
6	-2.581649000	-1.360836000	2.226567000	6	3.605450000	2.598162000	-0.798053000
6	-1.512575000	-2.201828000	2.547590000	1	3.357150000	2.193810000	-1.788132000
6	-3.743626000	-1.375169000	3.010720000	6	1.243592000	0.426090000	2.167926000
6	-1.611513000	-3.068489000	3.633004000	6	2.225845000	-0.434225000	1.644433000
1	-0.590973000	-2.151573000	1.950636000	1	0.977051000	1.344493000	1.621745000
6	-3.834835000	-2.238680000	4.095536000	1	-0.088461000	0.833122000	3.815602000
1	-4.576819000	-0.705449000	2.764827000	6	0.655510000	0.148616000	3.396475000
6	-2.771933000	-3.089469000	4.401749000	6	1.021581000	-0.996649000	4.103400000
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1	-4.740116000	-2.251260000	4.708036000	6	1.946282000	-1.883759000	3.561473000
1	-2.849122000	-3.769386000	5.254563000	1	2.226385000	-2.788099000	4.109043000
6	-3.604013000	-1.104997000	-0.468440000	6	2.548075000	-1.607677000	2.333465000
6	-3.737233000	-0.433149000	-1.694733000	1	3.299955000	-2.294306000	1.927842000
6	-4.137253000	-2.387937000	-0.318756000	6	4.902819000	-1.627196000	-1.142359000
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1	-3.334793000	0.583558000	-1.804386000	6	5.497644000	-0.834840000	1.065715000
6	-4.786155000	-2.994625000	-1.394852000	1	5.257791000	-0.251052000	1.962917000
1	-4.039393000	-2.921252000	0.633597000	6	6.705186000	-1.515633000	0.980540000
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1	-5.394666000	-2.821493000	-3.456816000	6	6.115353000	-2.306361000	-1.225925000
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6	-4.519865000	1.641503000	0.839280000	Ac-L5			
6	-2.390646000	2.172187000	1.865240000	29	0.564121000	-1.158880000	0.027308000
6	-5.005934000	2.886916000	1.229216000	6	3.379572000	-0.124198000	0.057540000
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6	-2.891612000	3.400566000	2.275092000	15	-1.137683000	-2.498665000	-0.025870000
1	-1.349182000	1.898280000	2.079408000	8	-2.264859000	-2.272110000	1.072428000
6	-4.199340000	3.759562000	1.954473000	8	-0.851063000	-4.062962000	0.192252000
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6	0.177319000	3.982348000	0.128811000	6	7.581710000	-0.253299000	0.121570000
1	1.014295000	2.203343000	-0.742968000	1	7.467803000	-0.258168000	-2.035244000
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6	-4.241507000	-2.531954000	-1.588002000	6	3.951820000	-3.287576000	0.217194000
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29	0.830778000	1.302267000	-0.054666000	1	6.457658000	-0.850391000	1.922463000
15	-0.778861000	2.746223000	-0.104193000	1	7.295127000	-2.759501000	0.564311000
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6	-2.810476000	1.088379000	-0.130762000	1	-5.633506000	3.153915000	0.967110000
1	-3.209159000	1.365312000	-1.124595000	6	-3.913097000	2.364476000	-0.029872000
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6	-2.082220000	4.139015000	-1.964315000	1	-4.333667000	2.526257000	-1.034243000
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6	-1.615573000	4.770403000	1.471388000	6	-0.630603000	1.901163000	2.440920000
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1	-2.040610000	4.123283000	2.255231000	1	-0.664546000	2.942434000	2.793394000
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1	-4.399425000	-0.265281000	0.344652000	1	-0.106509000	-0.074650000	3.158982000
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1	-1.746096000	6.596872000	2.585382000	1	-3.935738000	-2.886487000	2.049059000
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RC-L5				1	-2.172463000	-2.598889000	1.957381000
7	-0.969519000	-2.098824000	-1.426692000	29	1.516188000	0.065238000	0.421607000
7	0.109452000	-2.640270000	-1.704197000	15	2.214920000	1.930782000	-0.416336000
7	1.137925000	-3.081231000	-1.822440000	8	3.563547000	1.852791000	-1.263877000
6	0.842994000	-1.706241000	0.982319000	8	2.536658000	3.047545000	0.653863000
6	2.075643000	-1.921794000	1.023877000	8	1.213993000	2.624428000	-1.473695000
29	-0.849345000	-1.021368000	0.410950000	6	-0.165901000	2.271038000	-1.502691000
6	-1.936373000	-2.039071000	-2.544300000	1	-0.705294000	3.158369000	-1.864401000

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1	0.260631000	0.239277000	-2.071218000	8	-0.436368000	1.145939000	2.758280000
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6	3.674661000	1.006569000	-2.409228000	1	1.287788000	0.036509000	2.399442000
6	3.843020000	-0.447452000	-2.041659000	1	0.997885000	0.584700000	4.061829000
1	4.107219000	-1.033516000	-2.932967000	6	-0.152152000	-1.154929000	3.472401000
1	2.918183000	-0.891258000	-1.630210000	1	0.570490000	-1.851173000	3.920647000
1	4.645477000	-0.578125000	-1.297110000	1	-0.987995000	-1.028986000	4.175806000
1	4.551751000	1.382279000	-2.954464000	1	-0.532786000	-1.621009000	2.547750000
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1	1.576618000	4.804010000	0.153370000	8	-2.569470000	1.333486000	1.469895000
6	2.597188000	4.459323000	0.391738000	6	-3.217323000	0.072370000	1.641356000
1	2.881339000	4.901098000	1.356576000	1	-3.906179000	0.188095000	2.491695000
1	4.563908000	4.408005000	-0.498252000	1	-2.476604000	-0.700533000	1.934995000
6	3.566742000	4.823694000	-0.698230000	6	-3.941048000	-0.338186000	0.387976000
1	3.228987000	4.457952000	-1.678066000	1	-4.643113000	0.445407000	0.065905000
1	3.654389000	5.917091000	-0.758563000	1	-4.508428000	-1.267775000	0.553928000
TS1-L5				1	-3.230712000	-0.528627000	-0.437128000
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6	-0.786190000	3.695486000	-2.297910000	1	1.788731000	0.988217000	-1.490390000
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6	-2.630763000	4.579305000	-1.019352000	1	2.873929000	-1.159543000	-4.053158000
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1	-5.704620000	-4.999117000	0.959119000	6	-1.083695000	1.412648000	0.150956000
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6	2.602853000	0.201483000	-2.390895000	1	1.857304000	-2.973233000	-0.647042000
6	3.354107000	-0.951104000	-2.629027000	1	0.575622000	-1.751263000	-0.785880000
6	3.229052000	1.313580000	-1.818308000	1	-0.061034000	-3.527233000	0.916319000
6	4.709776000	-0.988702000	-2.318157000	6	-3.367321000	-2.129603000	-2.358693000
6	4.578637000	1.268617000	-1.482991000	6	-2.374319000	-1.030472000	-2.650433000
6	5.323517000	0.119854000	-1.739902000	1	-2.297758000	-0.866751000	-3.734795000
1	2.871731000	-1.822033000	-3.087803000	1	-1.363129000	-1.293014000	-2.288049000
1	2.649694000	2.230041000	-1.652678000	1	-2.673540000	-0.071868000	-2.190567000
1	5.293525000	-1.888149000	-2.533991000	1	-4.355525000	-1.900095000	-2.779842000
1	5.057542000	2.143077000	-1.032814000	1	-3.031178000	-3.088986000	-2.787495000
1	6.390634000	0.094011000	-1.500980000	1	-2.492151000	-5.057042000	1.512568000
6	-2.702099000	3.319253000	-0.083328000	6	-3.421870000	-4.463008000	1.474222000
6	-3.228223000	4.299652000	-0.933813000	1	-3.901768000	-4.538363000	2.459337000
6	-3.149787000	3.240465000	1.244788000	1	-5.214890000	-4.286255000	0.283395000
6	-4.192437000	5.179996000	-0.457653000	6	-4.330227000	-4.931598000	0.371555000
6	-4.110987000	4.121725000	1.712403000	1	-3.815002000	-4.950347000	-0.599263000
6	-4.635006000	5.094658000	0.859939000	1	-4.669983000	-5.952923000	0.591107000
1	-2.872380000	4.359833000	-1.964662000	TS2-L5			
1	-2.730719000	2.474480000	1.906926000	7	0.233481000	1.149756000	-1.901583000
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1	-5.393225000	5.790832000	1.228149000	6	-1.143084000	1.411915000	0.020755000
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6	5.411374000	-0.850624000	1.865403000	29	0.624505000	0.830257000	0.051274000
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8	3.374667000	-0.993655000	0.503993000	6	2.535540000	0.315014000	-2.362289000
1	4.883278000	-2.306958000	0.349949000	6	3.280734000	-0.834968000	-2.630949000
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6	-0.106847000	-0.258827000	3.566409000	1	2.594362000	2.323975000	-1.571558000
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8	3.390492000	1.294429000	1.523333000	6	-3.088835000	4.526562000	-0.719640000
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1	1.166986000	-2.230955000	3.313407000	1	-0.326036000	2.438361000	-3.443313000
6	-0.283793000	-0.617554000	3.410563000	1	-2.419268000	-1.221700000	-2.501282000
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1	-3.583046000	-4.607491000	2.508929000	1	-3.798004000	-0.592125000	2.958799000
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P-L5				1	-2.932485000	-1.526201000	0.137447000
7	0.048489000	-1.464416000	-2.504736000	29	1.308829000	-0.476662000	-0.095600000
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