

Supporting information

Mechanism and Regioselectivity of Gold(I) or Platinum(II)

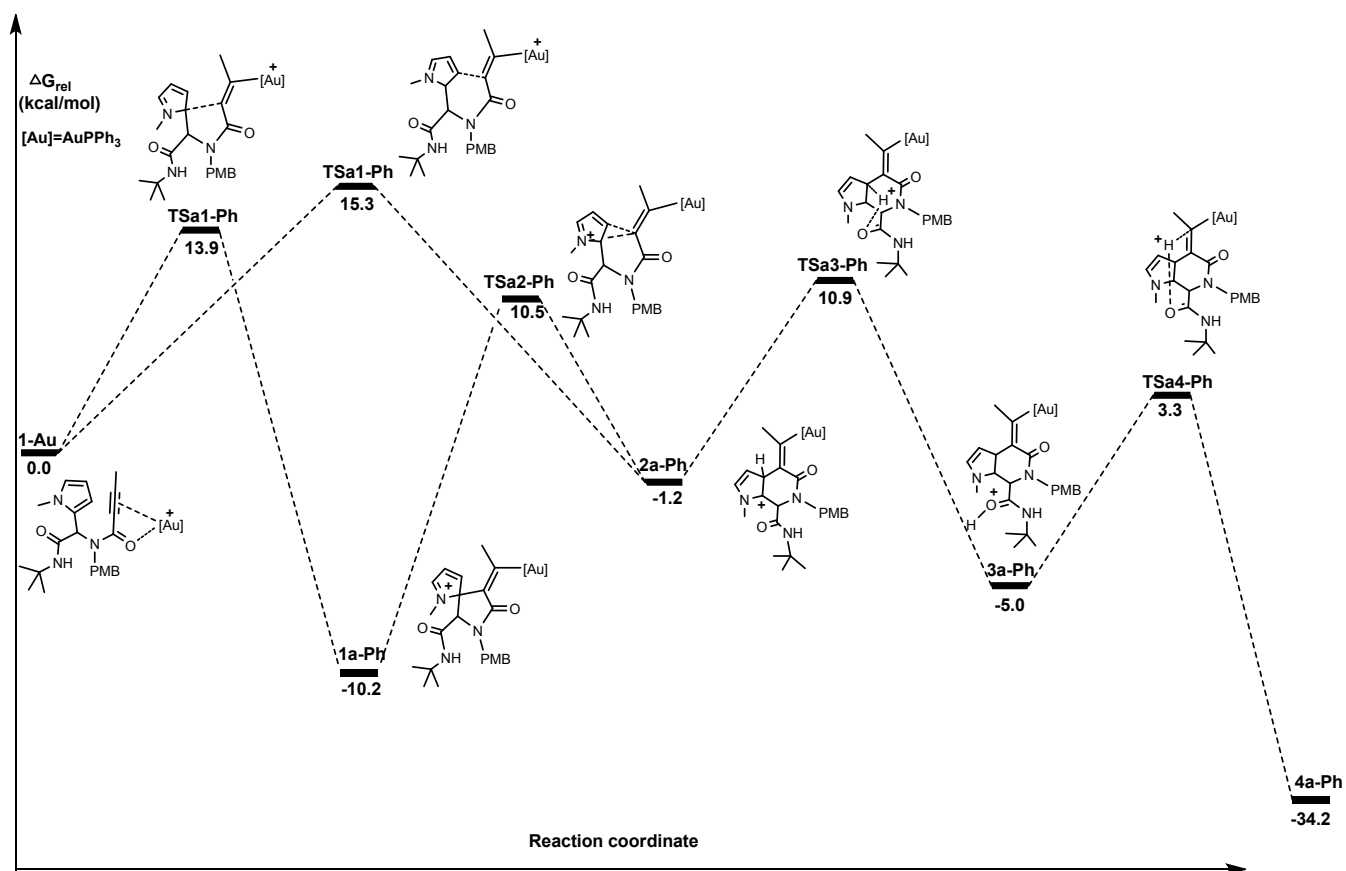
Catalyzed Intramolecular Hydroarylation to Pyrrolopyridinones and Pyrroloazepinones

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Figurer S1 Energy profiles for Au (PPh₃) catalyzed; the relative energies are given in kcal/mol.

Table S1. Thermodynamic Properties (Relative Free Energies and Activation Free Energies in Gas Phase and in Solution) of the Structures in Figure S1 ^a

System	$\Delta E^{\text{rel}}_{\text{gas}}$	$\Delta G^{\text{rel}}_{\text{gas}}$	$\Delta E^{\ddagger}_{\text{gas}}$	$\Delta G^{\ddagger}_{\text{gas}}$	$\Delta E^{\text{rel}}_{\text{sol}}$	$\Delta G^{\text{rel}}_{\text{sol}}$	$\Delta E^{\ddagger}_{\text{sol}}$	$\Delta G^{\ddagger}_{\text{sol}}$
1-Au	0	0			0	0		
TSa1-Ph	12.8	14.2	12.8	14.2	13.9	13.9	13.9	13.9
1a-Ph	-8.8	-7.5			-9.5	-10.2		
TSa2-Ph	5.7	9.9	14.6	17.4	9.3	10.5	18.8	20.8
TSa2-Ph	13.1	15.0	13.1	15.0	13.8	15.3	13.8	15.3
2a-Ph	-3.9	0.7			-4.0	-1.2		
TSa4-Ph	6.1	10.6	10.1	9.9	12.0	10.9	16.0	12.1
3a-Ph	4.5	4.4			-0.6	-5.0		
TSa5-Ph	-2.9	1.0	-7.4	-3.4	5.3	3.3	5.9	8.3
4a-Ph	-36.8	-32.2			-38.1	-34.2		

^a These values, in kcal/mol, were calculated at the M06-2X/6-31G (d, p) (LANL2TZ(f) for Au) level of theory and included the zero-point energy correction, using single-point integral equation formalism polarizable continuum model (IEFPCM) calculations at the M06-2X/6-311++G (d, p) (LANL2TZ(f) for Au) level of theory to model the effect of the solvent .

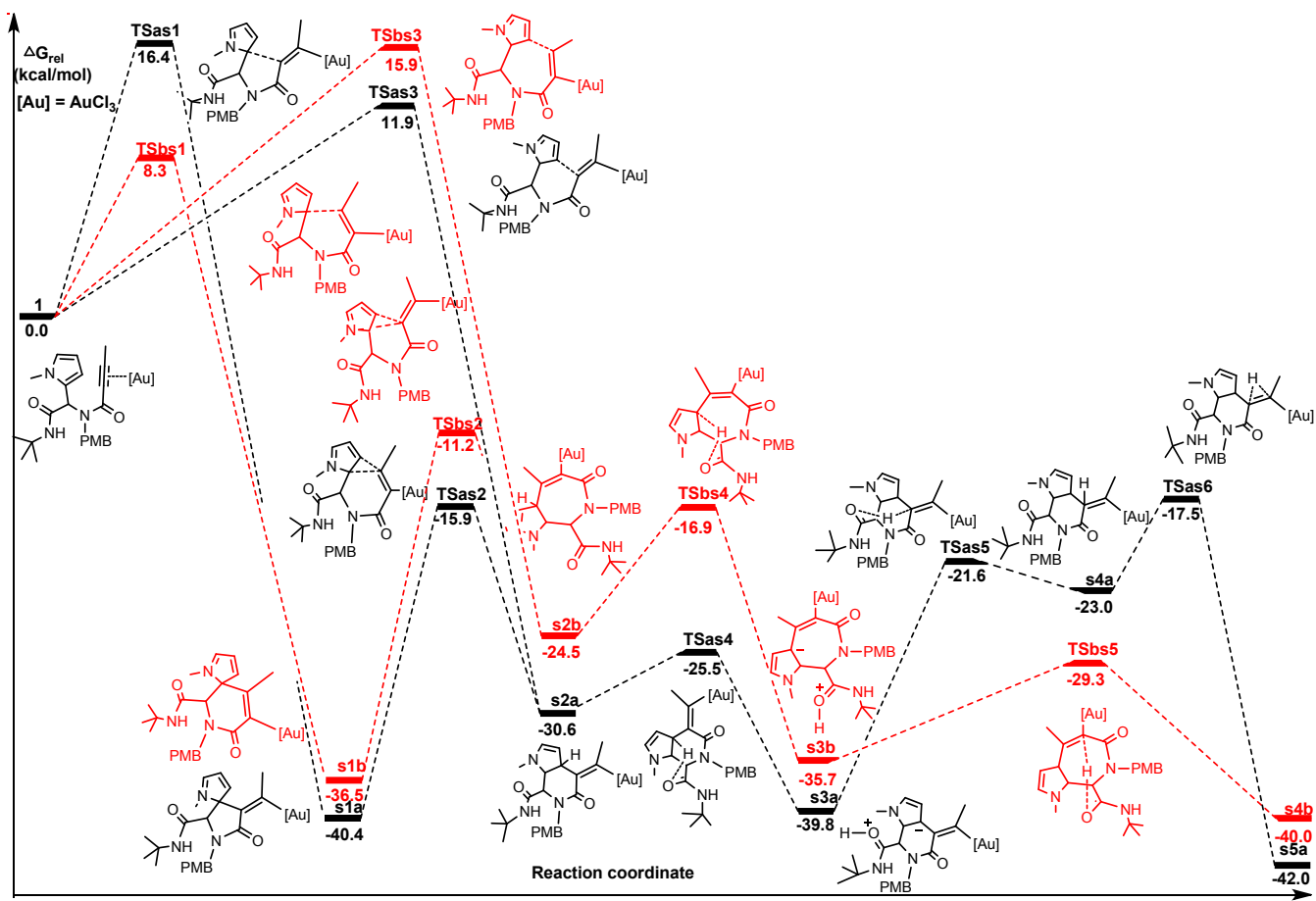


Figure S2 Energy profiles for AuCl₃ catalyzed; the relative energies are given in kcal/mol.

Table S2. Thermodynamic Properties (Relative Free Energies and Activation Free Energies in Gas Phase and in Solution) of the Structures in Figure S2 ^a

System	$\Delta E^{\text{rel}}_{\text{gas}}$	$\Delta G^{\text{rel}}_{\text{gas}}$	$\Delta E^{\ddagger}_{\text{gas}}$	$\Delta G^{\ddagger}_{\text{gas}}$	$\Delta E^{\text{rel}}_{\text{sol}}$	$\Delta G^{\text{rel}}_{\text{sol}}$	$\Delta E^{\ddagger}_{\text{sol}}$	$\Delta G^{\ddagger}_{\text{sol}}$
1	0	0			0	0		
TSas1	14.0	25.0	14.0	25.0	11.4	16.4	11.4	16.4
s1a	-18.0	-16.3			-34.1	-40.4		
TSsa2	-0.4	1.6	17.5	17.9	-11.9	-15.9	22.2	24.4
TSsa3	10.8	14.6	10.8	14.6	11.9	15.9	11.9	15.9
s2a	-8.6	-6.6			-26.9	-30.6		
TSas4	2.6	3.9	11.2	10.5	-12.0	-25.5	14.9	5.1
s3a	-19.6	-16.6			-38.1	-39.8		
TSas5	-6.4	-4.3	13.2	12.3	-11.2	-21.6	26.9	18.2
s4a	-6.3	-5.7			-10.3	-20.5		
TSas5	-3.9	-2.1	2.3	3.6	-10.6	-17.5	-0.2	3.0
s5a	-32.7	-32.1			-38.1	-42.0		
TSbs1	11.2	12.4	11.2	12.4	11.3	8.3	11.3	8.3
s1b	-17.9	-15.3			-35.3	-36.5		
TSbs2	3.6	5.8	21.5	22.1	-9.5	-11.2	25.8	25.3
TSbs3	13.2	14.8	13.2	14.8	14.0	15.9	14.0	15.9
s2b	-7.6	-4.4			-24.8	-24.5		
TSbs4	-2.1	1.9	5.5	6.4	-15.0	-16.9	9.9	7.7
s3b	-22.0	-18.9			-32.1	-35.7		
TSbs5	-9.4	-6.7	12.6	12.2	-18.7	-29.3	13.4	6.4
s4b	-30.7	-29.0			-35.7	-40.0		

^a These values, in kcal/mol, the solvent effect was taken into account by M06-2X/6-311++G (d, p) single-point calculation with integral equation formalism polarizable continuum model (IEFPCM) in trichloromethane ($\epsilon = 4.71$).

Complete List of Authors for References with more than 10 Authors

- [13] M. J. Frisch, G. W. Trucks, H. B. Schlegel, G. E. Scuseria, M. A. Robb, J. R. Cheeseman, G. Scalmani, V. Barone, B. Mennucci, G. A. Petersson, H. Nakatsuji, M. Caricato, X. Li, H. P. Hratchian, A. F. Izmaylov, J. Bloino, G. Zheng, J. L. Sonnenberg, M. Hada, M. Ehara, K. Toyota, R. Fukuda, J. Hasegawa, M. Ishida, T. Nakajima, Y. Honda, O. Kitao, H. Nakai, T. Vreven, J. A. Montgomery, Jr., J. E. Peralta, F. Ogliaro, M. Bearpark, J. J. Heyd, E. Brothers, K. N. Kudin, V. N. Staroverov, R. Kobayashi, J. Normand, K. Raghavachari, A. Rendell, J. C. Burant, S. S. Iyengar, J. Tomasi, M. Cossi, N. Rega, J. M. Millam, M. Klene, J. E. Knox, J. B. Cross, V. Bakken, C. Adamo, J. Jaramillo, R. Gomperts, R. E. Stratmann, O. Yazyev, A. J. Austin, R. Cammi, C. Pomelli, J. W. Ochterski, R. L. Martin, K. Morokuma, V. G. Zakrzewski, G. A. Voth, P. Salvador, J. J. Dannenberg, S. Dapprich, A. D. Daniels, Ö. Farkas, J. B. Foresman, J. V. Ortiz, J. Cioslowski, and D. J. Fox, *Gaussian 09*, Revision A.01; Gaussian, Inc., Wallingford CT, **2009**.

The Cartesian coordinates of the stationary points discussed in the text

1-Au

6	1.412654000	1.937076000	1.499017000
6	0.991478000	3.028483000	2.236302000

6	1.049598000	2.663659000	3.603262000
6	1.517778000	1.371134000	3.654900000
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6	-2.260614000	-0.025181000	2.662226000
6	1.989961000	0.401819000	-1.864611000
6	3.011464000	-0.640898000	-1.490436000
6	2.671888000	-1.992468000	-1.545480000
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6	4.786955000	-2.603010000	-0.557409000
6	5.139925000	-1.248039000	-0.503028000
6	4.261028000	-0.282473000	-0.970719000
8	5.707420000	-3.467716000	-0.081762000
6	5.441238000	-4.852817000	-0.198399000
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1	0.845943000	2.145757000	4.696566000
1	2.089909000	-0.236363000	4.277901000
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1	2.283910000	-1.935612000	2.574717000
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1	5.294593000	-5.140501000	-1.245335000
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TSa2

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6	-3.388420000	-0.115835000	0.271907000
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6	-5.372534000	-0.657367000	-1.152289000
6	-6.047354000	0.705193000	-0.974323000
6	-5.504327000	-1.129144000	-2.599119000
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1	-1.591246000	0.768345000	0.994599000
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1	-7.114855000	0.617906000	-1.193455000
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1	-5.862665000	-1.370219000	0.838628000
1	1.051776000	-2.262888000	2.698526000
1	1.073795000	-3.688841000	1.678443000
1	2.603688000	-2.866048000	2.092661000
1	-2.425489000	1.445328000	-1.941053000
1	-0.804472000	1.221820000	-2.632813000
1	1.171808000	2.279196000	-1.490733000
1	1.999385000	4.165967000	-0.131920000
1	-1.993443000	4.924366000	1.248963000
1	-2.827826000	3.029110000	-0.133307000
1	1.787566000	6.988038000	2.095081000
1	2.394180000	5.334107000	1.819991000
1	2.065900000	6.412513000	0.430332000
79	3.076509000	-1.022090000	-0.223034000
15	5.034155000	-0.191291000	-1.148111000
1	6.122985000	0.043732000	-0.298250000
1	5.643409000	-0.979118000	-2.134454000
1	4.961156000	1.038370000	-1.817420000

TSa3

6	1.130170000	1.014870000	1.630046000
6	0.118135000	1.725390000	2.311254000
6	-0.004602000	1.122654000	3.593364000
6	0.886904000	0.083313000	3.627605000
7	1.573697000	0.019331000	2.444040000
6	2.590509000	-0.971911000	2.100401000
6	1.780212000	1.356983000	0.329355000
7	1.128726000	0.601479000	-0.717028000
6	1.775209000	2.894810000	0.155173000
8	2.387765000	3.558028000	0.973478000
7	1.058017000	3.360058000	-0.881923000
6	0.889230000	4.795673000	-1.203222000
6	2.255403000	5.427980000	-1.479858000
6	0.016247000	4.853518000	-2.455583000
6	0.191780000	5.496276000	-0.033776000
6	-0.088113000	0.051970000	-0.475303000
8	-0.645795000	-0.689573000	-1.272215000
6	-0.753932000	0.428710000	0.823947000
6	-1.994578000	0.225384000	1.200657000

6	-2.756358000	0.694080000	2.403480000
6	1.928828000	0.153596000	-1.869439000
6	2.823081000	-0.993554000	-1.473998000
6	2.299716000	-2.283933000	-1.382008000
6	3.068327000	-3.341197000	-0.900069000
6	4.389583000	-3.108417000	-0.500592000
6	4.928893000	-1.819001000	-0.603598000
6	4.152097000	-0.779401000	-1.090719000
8	5.219315000	-4.053486000	-0.013034000
6	4.745122000	-5.385036000	0.057132000
1	-0.290243000	2.670786000	1.976870000
1	-0.658766000	1.425130000	4.395659000
1	1.089919000	-0.632844000	4.411609000
1	3.551834000	-0.485052000	1.924011000
1	2.691460000	-1.658594000	2.939799000
1	2.299098000	-1.530364000	1.206800000
1	2.835913000	1.064924000	0.376868000
1	0.585623000	2.684166000	-1.465941000
1	2.122608000	6.477907000	-1.754549000
1	2.891838000	5.375464000	-0.595351000
1	2.752146000	4.916347000	-2.309274000
1	-0.153090000	5.893894000	-2.741218000
1	-0.959947000	4.389724000	-2.277746000
1	0.502819000	4.347574000	-3.295750000
1	0.035603000	6.551313000	-0.273977000
1	-0.786403000	5.041140000	0.153935000
1	0.801273000	5.431545000	0.869715000
1	-2.706082000	-0.071591000	3.184887000
1	-2.363384000	1.629427000	2.808833000
1	-3.809993000	0.838155000	2.162130000
1	2.510588000	1.013646000	-2.217005000
1	1.222468000	-0.133473000	-2.650078000
1	1.270608000	-2.461857000	-1.683312000
1	2.637903000	-4.333821000	-0.848945000
1	5.962501000	-1.669318000	-0.311430000
1	4.589538000	0.212407000	-1.185900000
1	5.568344000	-5.977422000	0.452885000
1	3.883246000	-5.464206000	0.730024000
1	4.469219000	-5.760203000	-0.934577000
79	-3.132596000	-0.970437000	-0.116135000
15	-4.562015000	-2.238097000	-1.378982000
1	-4.580227000	-3.617649000	-1.130786000
1	-5.929520000	-1.944253000	-1.297265000
1	-4.376111000	-2.229311000	-2.768499000

2a

6	1.654459000	1.240388000	1.200808000
6	0.566201000	0.603340000	1.968966000
6	1.329453000	-0.156679000	3.016429000
6	2.627379000	0.125331000	2.877218000
7	2.805320000	0.986264000	1.742415000
6	4.127595000	1.420811000	1.297825000

6	1.321644000	1.750535000	-0.160894000
7	0.966103000	0.554073000	-0.905086000
6	0.182799000	2.783016000	0.017662000
8	0.255154000	3.527753000	0.985464000
7	-0.778868000	2.748510000	-0.910395000
6	-2.042423000	3.519090000	-0.828338000
6	-1.736015000	5.017503000	-0.839414000
6	-2.855670000	3.131883000	-2.062290000
6	-2.789815000	3.114858000	0.446477000
6	0.079115000	-0.382477000	-0.360693000
8	-0.251110000	-1.356215000	-1.014907000
6	-0.420300000	-0.100498000	1.026108000
6	-1.669135000	-0.453753000	1.394734000
6	-2.180111000	-0.169259000	2.781409000
6	1.814550000	0.172435000	-2.039535000
6	3.200932000	-0.244584000	-1.602295000
6	3.366570000	-1.341580000	-0.755726000
6	4.633563000	-1.774074000	-0.368466000
6	5.767751000	-1.099208000	-0.841000000
6	5.611304000	0.014614000	-1.675803000
6	4.341326000	0.430712000	-2.048860000
8	7.038953000	-1.439795000	-0.544292000
6	7.251662000	-2.601272000	0.236007000
1	0.043194000	1.442513000	2.462665000
1	0.880704000	-0.765477000	3.788559000
1	3.498499000	-0.165503000	3.446901000
1	4.023051000	2.160837000	0.507861000
1	4.646341000	1.865181000	2.148297000
1	4.675161000	0.553362000	0.922808000
1	2.168659000	2.236635000	-0.652657000
1	-0.731959000	1.995980000	-1.585504000
1	-2.673182000	5.580012000	-0.816162000
1	-1.137211000	5.296660000	0.028773000
1	-1.193607000	5.289386000	-1.749176000
1	-3.808139000	3.666193000	-2.058994000
1	-3.070537000	2.056856000	-2.066470000
1	-2.322110000	3.392442000	-2.981502000
1	-3.742834000	3.647983000	0.501601000
1	-2.991317000	2.037696000	0.441636000
1	-2.201643000	3.364975000	1.332524000
1	-2.450794000	-1.111310000	3.270599000
1	-1.481087000	0.362205000	3.436916000
1	-3.103322000	0.416085000	2.725348000
1	1.869953000	1.017041000	-2.734447000
1	1.294807000	-0.646427000	-2.539777000
1	2.491049000	-1.891437000	-0.415001000
1	4.727541000	-2.645166000	0.268940000
1	6.502867000	0.520090000	-2.030427000
1	4.236880000	1.281496000	-2.718469000
1	8.330985000	-2.712275000	0.323919000
1	6.815353000	-2.493019000	1.236077000
1	6.831041000	-3.487846000	-0.251001000
79	-2.949392000	-1.415567000	0.111087000
15	-4.458248000	-2.520412000	-1.268693000
1	-4.192865000	-3.865996000	-1.565098000
1	-5.789226000	-2.622560000	-0.839475000

1	-4.659463000	-2.023307000	-2.565322000
TSa4			
6	1.013413000	0.825244000	1.975642000
6	-0.385013000	1.086755000	2.052689000
6	-0.585193000	1.502837000	3.444052000
6	0.632309000	1.550854000	4.033167000
7	1.610206000	1.144963000	3.115844000
6	3.047769000	1.180528000	3.366947000
6	1.580425000	0.513449000	0.652993000
7	0.796622000	-0.565210000	0.068367000
6	1.443403000	1.810868000	-0.209956000
8	0.584754000	2.657328000	0.086334000
7	2.243895000	1.867709000	-1.264582000
6	2.219572000	2.919740000	-2.317641000
6	2.589754000	4.266351000	-1.694231000
6	3.264013000	2.496554000	-3.348930000
6	0.830128000	2.968107000	-2.955876000
6	-0.600767000	-0.609834000	0.163719000
8	-1.200916000	-1.409678000	-0.534906000
6	-1.287162000	0.342371000	1.101578000
6	-2.621083000	0.545614000	1.012424000
6	-3.277969000	1.615446000	1.850268000
6	1.401668000	-1.335363000	-1.031770000
6	2.864516000	-1.611048000	-0.797690000
6	3.289940000	-2.267519000	0.358077000
6	4.639296000	-2.510837000	0.601133000
6	5.595959000	-2.096843000	-0.334217000
6	5.182805000	-1.443243000	-1.500695000
6	3.833915000	-1.206479000	-1.722514000
8	6.925166000	-2.279458000	-0.201692000
6	7.390567000	-3.005042000	0.920803000
1	-0.067960000	2.078495000	1.342645000
1	-1.525275000	1.730449000	3.920793000
1	0.925955000	1.842284000	5.031163000
1	3.537333000	0.405511000	2.775461000
1	3.456647000	2.160464000	3.112133000
1	3.219935000	0.977565000	4.423694000
1	2.629240000	0.209259000	0.695806000
1	2.920700000	1.118029000	-1.368328000
1	2.595690000	5.035807000	-2.470627000
1	1.863804000	4.552943000	-0.930672000
1	3.586323000	4.222944000	-1.245935000
1	3.328731000	3.248964000	-4.137517000
1	2.990231000	1.544223000	-3.815514000
1	4.255246000	2.399955000	-2.893124000
1	0.834294000	3.695520000	-3.771775000
1	0.562137000	1.990776000	-3.368031000
1	0.073602000	3.267360000	-2.228558000
1	-3.653651000	1.174718000	2.783476000
1	-2.611138000	2.447387000	2.102907000
1	-4.146802000	2.030428000	1.337883000
1	1.261766000	-0.804827000	-1.984636000
1	0.826240000	-2.259794000	-1.099527000
1	2.548992000	-2.598859000	1.082523000
1	4.933415000	-3.035908000	1.501899000

1	5.939071000	-1.144746000	-2.218365000
1	3.524248000	-0.725395000	-2.649172000
1	8.471750000	-3.068393000	0.811256000
1	7.150083000	-2.486792000	1.856450000
1	6.965934000	-4.014815000	0.942854000
79	-3.850192000	-0.588535000	-0.181471000
15	-5.352010000	-1.809366000	-1.449582000
1	-4.849624000	-2.785355000	-2.324426000
1	-6.308369000	-2.571880000	-0.762811000
1	-6.193894000	-1.110357000	-2.327141000

3a

6	-0.793227000	1.739588000	-1.345872000
6	0.562085000	1.770090000	-1.582453000
6	0.760411000	2.790133000	-2.561055000
6	-0.472201000	3.327680000	-2.848712000
7	-1.426404000	2.690302000	-2.102237000
6	-2.855917000	2.900786000	-2.184686000
6	-1.451732000	0.764638000	-0.448277000
7	-0.649916000	-0.436286000	-0.341575000
6	-1.642522000	1.314020000	0.965439000
8	-0.604026000	1.901747000	1.480814000
7	-2.765389000	1.129230000	1.598048000
6	-3.135517000	1.486123000	3.005988000
6	-2.956018000	2.990898000	3.237981000
6	-4.616007000	1.126295000	3.136568000
6	-2.297354000	0.642658000	3.971850000
6	0.762919000	-0.416627000	-0.379425000
8	1.336949000	-1.412005000	0.031092000
6	1.449455000	0.802027000	-0.917200000
6	2.791527000	0.931379000	-0.749052000
6	3.485254000	2.187911000	-1.217783000
6	-1.258516000	-1.600307000	0.317839000
6	-2.701078000	-1.801949000	-0.073478000
6	-3.076298000	-1.884988000	-1.415043000
6	-4.405962000	-2.058629000	-1.789925000
6	-5.396688000	-2.160414000	-0.805930000
6	-5.034618000	-2.089380000	0.545049000
6	-3.703092000	-1.915250000	0.897678000
8	-6.711055000	-2.325102000	-1.054524000
6	-7.118443000	-2.485039000	-2.401817000
1	-0.712167000	2.156047000	2.409190000
1	1.687530000	3.085811000	-3.024092000
1	-0.751006000	4.115179000	-3.533509000
1	-3.283444000	3.065158000	-1.190083000
1	-3.047479000	3.788848000	-2.786572000
1	-3.355984000	2.046947000	-2.653217000
1	-2.449598000	0.495842000	-0.817261000
1	-3.445997000	0.561396000	1.089978000
1	-3.408473000	3.248535000	4.198247000
1	-1.913664000	3.321179000	3.292283000
1	-3.458037000	3.568084000	2.457939000
1	-4.944164000	1.303467000	4.162449000

1	-4.786180000	0.070888000	2.901798000
1	-5.228707000	1.740274000	2.470458000
1	-2.573190000	0.890224000	4.999529000
1	-2.481117000	-0.422876000	3.812548000
1	-1.220402000	0.813781000	3.871460000
1	3.783042000	2.075151000	-2.269052000
1	2.850874000	3.076957000	-1.141956000
1	4.401391000	2.368404000	-0.654019000
1	-1.175186000	-1.517215000	1.413629000
1	-0.647075000	-2.458610000	0.035886000
1	-2.310739000	-1.803187000	-2.183487000
1	-4.657236000	-2.124204000	-2.841542000
1	-5.813824000	-2.199344000	1.291857000
1	-3.428671000	-1.898827000	1.952039000
1	-8.195806000	-2.637895000	-2.374012000
1	-6.892919000	-1.590249000	-2.992965000
1	-6.636963000	-3.356518000	-2.858600000
79	3.987590000	-0.525803000	0.054143000
15	5.453162000	-2.112999000	0.893972000
1	5.811738000	-3.179838000	0.054601000
1	6.731324000	-1.699987000	1.300151000
1	5.073346000	-2.839695000	2.034653000

TSa5

6	1.415986000	0.418914000	1.469945000
6	0.287424000	-0.097425000	2.068082000
6	0.549693000	-0.170722000	3.464975000
6	1.829643000	0.300567000	3.638850000
7	2.349289000	0.671203000	2.417832000
6	3.690849000	1.171823000	2.166740000
6	1.444801000	0.672080000	-0.003888000
7	0.816976000	-0.463451000	-0.669548000
6	0.629887000	1.953360000	-0.293381000
8	-0.602773000	1.954732000	-0.132510000
7	1.324945000	3.022440000	-0.675987000
6	0.762551000	4.374332000	-0.942097000
6	0.099127000	4.907676000	0.329149000
6	1.950324000	5.254280000	-1.328695000
6	-0.237778000	4.292657000	-2.097345000
6	-0.331903000	-1.014428000	-0.180541000
8	-0.937907000	-1.915904000	-0.729273000
6	-0.819397000	-0.407324000	1.152556000
6	-2.172968000	-0.182944000	1.338054000
6	-2.627030000	0.439865000	2.630786000
6	1.494704000	-1.048959000	-1.829182000
6	2.941889000	-1.349260000	-1.509979000
6	3.284429000	-2.001663000	-0.326005000
6	4.613689000	-2.268676000	-0.003368000
6	5.627799000	-1.878042000	-0.884902000
6	5.294624000	-1.216043000	-2.072578000
6	3.967653000	-0.953548000	-2.373741000
8	6.945467000	-2.086073000	-0.677500000
6	7.331143000	-2.802223000	0.479356000
1	-1.287378000	0.751340000	0.653035000
1	-0.098295000	-0.549303000	4.240751000

1	2.426473000	0.390047000	4.534250000
1	3.649848000	2.179815000	1.745430000
1	4.232590000	1.211858000	3.110996000
1	4.217954000	0.501741000	1.480515000
1	2.467305000	0.757060000	-0.383886000
1	2.315153000	2.900071000	-0.839496000
1	-0.269924000	5.920089000	0.145627000
1	-0.743106000	4.280201000	0.624118000
1	0.819958000	4.949251000	1.150697000
1	1.602041000	6.267037000	-1.540937000
1	2.446383000	4.875064000	-2.228170000
1	2.679942000	5.313109000	-0.514496000
1	-0.622108000	5.292870000	-2.313913000
1	0.246856000	3.909148000	-2.999646000
1	-1.077426000	3.645128000	-1.839919000
1	-2.978262000	-0.371273000	3.280272000
1	-1.830572000	0.974643000	3.157000000
1	-3.475013000	1.106638000	2.469181000
1	1.427667000	-0.365487000	-2.684420000
1	0.930528000	-1.949920000	-2.080772000
1	2.500610000	-2.309190000	0.363415000
1	4.844276000	-2.789663000	0.917940000
1	6.098115000	-0.922051000	-2.738663000
1	3.723642000	-0.439369000	-3.300080000
1	8.415650000	-2.886575000	0.434808000
1	7.045482000	-2.266601000	1.392597000
1	6.887453000	-3.804137000	0.491862000
79	-3.573466000	-0.815882000	-0.039252000
15	-5.209485000	-1.559082000	-1.498303000
1	-4.799983000	-1.940086000	-2.783485000
1	-5.925554000	-2.700126000	-1.108785000
1	-6.263823000	-0.689587000	-1.808973000

4a

6	-0.276434000	-0.885935000	1.421934000
6	1.069118000	-1.145268000	1.223411000
6	1.568816000	-1.707750000	2.439668000
6	0.508141000	-1.763111000	3.303489000
7	-0.617542000	-1.277490000	2.671205000
6	-1.957989000	-1.233924000	3.233909000
6	-1.213052000	-0.442071000	0.359738000
7	-0.488761000	0.304114000	-0.656103000
6	-1.823306000	-1.700977000	-0.325336000
8	-1.075790000	-2.451385000	-0.927654000
7	-3.154063000	-1.845492000	-0.171361000
6	-3.953480000	-2.935971000	-0.778095000
6	-3.479081000	-4.277596000	-0.216300000
6	-5.402991000	-2.670803000	-0.375804000
6	-3.808012000	-2.904641000	-2.302284000
6	0.779997000	-0.026048000	-1.029424000
8	1.303807000	0.419544000	-2.042364000
6	1.597456000	-0.927138000	-0.098775000
6	2.690032000	-1.560374000	-0.668029000
6	3.438824000	-2.693996000	-0.009632000
6	-1.307632000	0.980424000	-1.684602000

6	-2.508458000	1.667329000	-1.090432000
6	-2.357737000	2.745424000	-0.219980000
6	-3.458097000	3.368253000	0.364379000
6	-4.746469000	2.909643000	0.069512000
6	-4.912450000	1.830917000	-0.808162000
6	-3.804079000	1.222293000	-1.376480000
8	-5.881656000	3.435391000	0.575351000
6	-5.770867000	4.559075000	1.427800000
1	2.760237000	-1.465016000	-1.751751000
1	2.578752000	-2.008794000	2.668874000
1	0.452993000	-2.103160000	4.326780000
1	-2.639445000	-1.836993000	2.627907000
1	-1.925345000	-1.640817000	4.243731000
1	-2.320109000	-0.203590000	3.279256000
1	-1.993967000	0.208737000	0.766578000
1	-3.664113000	-1.048087000	0.188435000
1	-4.088398000	-5.084753000	-0.631585000
1	-2.434843000	-4.457112000	-0.477833000
1	-3.583049000	-4.293821000	0.872809000
1	-6.053488000	-3.438920000	-0.799479000
1	-5.742292000	-1.698066000	-0.750066000
1	-5.517806000	-2.689306000	0.712706000
1	-4.403788000	-3.707234000	-2.745458000
1	-4.169572000	-1.953527000	-2.705984000
1	-2.764854000	-3.042542000	-2.591815000
1	3.936952000	-2.404441000	0.917619000
1	2.734604000	-3.498607000	0.232487000
1	4.196891000	-3.088727000	-0.686196000
1	-1.619377000	0.237815000	-2.431940000
1	-0.643679000	1.685191000	-2.187148000
1	-1.358790000	3.107658000	0.011553000
1	-3.304315000	4.207059000	1.032104000
1	-5.921601000	1.505133000	-1.036328000
1	-3.944384000	0.394061000	-2.067206000
1	-6.788975000	4.833158000	1.698885000
1	-5.205866000	4.315113000	2.334888000
1	-5.291035000	5.399671000	0.914359000
79	3.633687000	0.454897000	-0.225345000
15	5.018002000	2.246060000	0.041092000
1	4.519314000	3.488476000	-0.370213000
1	5.458787000	2.529698000	1.338991000
1	6.227451000	2.181096000	-0.660956000

TSb1

6	1.183607000	1.635603000	1.490870000
6	1.402804000	2.858234000	2.199017000
6	1.952356000	2.567101000	3.432644000
6	2.155482000	1.179129000	3.465595000
7	1.756135000	0.635246000	2.312092000
6	1.909331000	-0.763650000	1.936887000
6	1.426873000	1.582393000	-0.008894000
7	0.741804000	0.525678000	-0.757904000

6	1.192546000	2.977660000	-0.638164000
8	2.158970000	3.663099000	-0.923618000
7	-0.099446000	3.332926000	-0.785908000
6	-0.549578000	4.635084000	-1.326109000
6	-0.018152000	4.819976000	-2.749597000
6	-2.076571000	4.586765000	-1.333886000
6	-0.059277000	5.760732000	-0.410915000
6	-0.398515000	-0.044761000	-0.377723000
8	-0.839286000	-1.066139000	-0.994504000
6	-1.146309000	0.496991000	0.736418000
6	-0.724135000	1.229954000	1.697499000
6	-1.226433000	1.839943000	2.948105000
6	1.471386000	0.034000000	-1.949462000
6	2.541156000	-0.948705000	-1.551618000
6	2.204801000	-2.273658000	-1.275007000
6	3.155094000	-3.175536000	-0.802224000
6	4.471932000	-2.747307000	-0.600029000
6	4.822374000	-1.420878000	-0.884602000
6	3.866013000	-0.537551000	-1.360877000
8	5.469648000	-3.532055000	-0.141966000
6	5.192058000	-4.902384000	0.073460000
1	1.137780000	3.833933000	1.811566000
1	2.185844000	3.255261000	4.230919000
1	2.550810000	0.558766000	4.259508000
1	2.277543000	-1.314412000	2.802205000
1	0.945122000	-1.175649000	1.629718000
1	2.625296000	-0.858141000	1.114802000
1	2.497566000	1.402192000	-0.149237000
1	-0.810700000	2.675059000	-0.494362000
1	-0.388835000	5.763273000	-3.159921000
1	1.072528000	4.840275000	-2.753887000
1	-0.363230000	4.005460000	-3.393228000
1	-2.476707000	5.531048000	-1.709344000
1	-2.469700000	4.430325000	-0.323346000
1	-2.438945000	3.782662000	-1.982718000
1	-0.400684000	6.726727000	-0.792529000
1	-0.463763000	5.632713000	0.599056000
1	1.031707000	5.770247000	-0.366337000
1	-1.262938000	2.929575000	2.864660000
1	-2.228946000	1.453304000	3.136467000
1	-0.583539000	1.592611000	3.797805000
1	1.901244000	0.912331000	-2.442074000
1	0.733559000	-0.417156000	-2.612758000
1	1.180393000	-2.603431000	-1.426078000
1	2.867524000	-4.201473000	-0.607124000
1	5.853666000	-1.119028000	-0.739578000
1	4.154898000	0.483964000	-1.599877000
1	6.128370000	-5.351928000	0.399973000
1	4.433174000	-5.037450000	0.852982000
1	4.855736000	-5.387226000	-0.849795000
79	-2.733480000	-1.677440000	-0.191229000
15	-4.695686000	-2.511551000	0.407634000
1	-5.272800000	-1.982073000	1.568589000
1	-5.741456000	-2.366404000	-0.512853000
1	-4.747438000	-3.885392000	0.673785000

1b

6	0.496464000	0.979156000	1.778183000
6	0.426182000	1.980259000	2.894628000
6	1.362533000	1.714075000	3.828329000
6	2.066397000	0.541925000	3.391205000
7	1.609688000	0.100651000	2.257328000
6	2.082751000	-1.102512000	1.574381000
6	0.899068000	1.653432000	0.438643000
7	0.870277000	0.714725000	-0.650271000
6	0.046501000	2.934067000	0.190859000
8	0.117562000	3.851098000	0.998995000
7	-0.675165000	2.938595000	-0.936571000
6	-1.523341000	4.065144000	-1.390543000
6	-0.653531000	5.305537000	-1.608326000
6	-2.149160000	3.616706000	-2.710230000
6	-2.614588000	4.336435000	-0.351894000
6	-0.038357000	-0.318122000	-0.709230000
8	-0.030690000	-1.104925000	-1.645479000
6	-1.024309000	-0.444816000	0.414117000
6	-0.778939000	0.138511000	1.600107000
6	-1.624695000	-0.026810000	2.831465000
6	1.838738000	0.896956000	-1.747753000
6	3.136607000	0.189139000	-1.463070000
6	3.271916000	-1.166695000	-1.762327000
6	4.414321000	-1.876030000	-1.396126000
6	5.445019000	-1.220757000	-0.713344000
6	5.323866000	0.143615000	-0.417865000
6	4.184754000	0.836722000	-0.796541000
8	6.587917000	-1.810369000	-0.302136000
6	6.799364000	-3.164254000	-0.655917000
1	-0.289198000	2.788698000	2.898621000
1	1.564221000	2.249923000	4.743902000
1	2.876777000	0.027865000	3.898591000
1	2.711226000	-1.662112000	2.266852000
1	1.220662000	-1.706874000	1.286732000
1	2.656327000	-0.828860000	0.687423000
1	1.925855000	2.022166000	0.558631000
1	-0.653891000	2.106309000	-1.509128000
1	-1.275383000	6.129409000	-1.968648000
1	-0.175398000	5.610870000	-0.676009000
1	0.118243000	5.105306000	-2.357283000
1	-2.790592000	4.408294000	-3.103401000
1	-2.764086000	2.721343000	-2.568763000
1	-1.378677000	3.403698000	-3.458429000
1	-3.275319000	5.129015000	-0.713283000
1	-3.214336000	3.436449000	-0.185084000
1	-2.175035000	4.655012000	0.594515000
1	-2.068837000	0.924529000	3.143927000
1	-2.429649000	-0.739072000	2.645852000
1	-1.025558000	-0.394581000	3.673658000
1	1.992234000	1.974434000	-1.874806000
1	1.370132000	0.502475000	-2.651082000
1	2.459890000	-1.677664000	-2.272104000
1	4.493721000	-2.925835000	-1.650835000
1	6.148705000	0.634694000	0.086631000
1	4.117788000	1.902580000	-0.587694000

1	7.782618000	-3.427090000	-0.269157000
1	6.044161000	-3.817033000	-0.202717000
1	6.787655000	-3.295218000	-1.743498000
79	-2.599490000	-1.675410000	-0.042742000
15	-4.349636000	-3.085487000	-0.623606000
1	-4.834216000	-3.000267000	-1.936824000
1	-4.121554000	-4.466253000	-0.534736000
1	-5.551511000	-2.986817000	0.091859000

TSb2

6	-1.568805000	-1.403249000	0.764438000
6	-1.524417000	-2.540512000	-0.122535000
6	-2.140971000	-3.634555000	0.587583000
6	-2.472164000	-3.161976000	1.821188000
7	-2.147336000	-1.832195000	1.936908000
6	-2.228593000	-1.043110000	3.166155000
6	-1.641217000	0.046168000	0.354514000
7	-1.000474000	0.245988000	-0.931288000
6	-3.164893000	0.349294000	0.286741000
8	-3.695481000	0.938097000	1.216647000
7	-3.789112000	-0.161989000	-0.787194000
6	-5.246507000	-0.070425000	-1.038691000
6	-5.667081000	1.398643000	-1.128817000
6	-5.492556000	-0.776785000	-2.370586000
6	-5.992193000	-0.788595000	0.088649000
6	0.209642000	-0.362401000	-1.226927000
8	0.821582000	-0.101064000	-2.248272000
6	0.800334000	-1.306468000	-0.222949000
6	0.036628000	-2.119197000	0.541227000
6	0.562818000	-3.044296000	1.601913000
6	-1.206746000	1.582919000	-1.550080000
6	-0.502808000	2.668643000	-0.778407000
6	0.814033000	3.010692000	-1.081741000
6	1.489223000	3.992436000	-0.358594000
6	0.837603000	4.642739000	0.693101000
6	-0.483197000	4.300642000	1.011296000
6	-1.143589000	3.328649000	0.279482000
8	1.391297000	5.611980000	1.454767000
6	2.697396000	6.043132000	1.130758000
1	-1.447558000	-2.465389000	-1.198824000
1	-2.279350000	-4.638554000	0.218392000
1	-2.898946000	-3.682571000	2.668740000
1	-1.223622000	-0.855542000	3.556040000
1	-2.741838000	-0.101661000	2.965966000
1	-2.796372000	-1.616395000	3.898317000
1	-1.234632000	0.705127000	1.133642000
1	-3.202082000	-0.525836000	-1.527542000
1	-6.737975000	1.461723000	-1.340211000
1	-5.466791000	1.916815000	-0.189330000
1	-5.130054000	1.902735000	-1.938307000
1	-6.557292000	-0.751841000	-2.611588000
1	-5.180448000	-1.825240000	-2.322418000
1	-4.952417000	-0.281128000	-3.184108000
1	-7.066499000	-0.772860000	-0.112725000
1	-5.667333000	-1.831906000	0.152222000
1	-5.809930000	-0.297392000	1.046034000

1	0.550699000	-4.082999000	1.263275000
1	1.590764000	-2.756058000	1.825829000
1	-0.009284000	-2.989505000	2.530741000
1	-2.282828000	1.769198000	-1.595216000
1	-0.827046000	1.505888000	-2.568076000
1	1.316862000	2.509070000	-1.904202000
1	2.505232000	4.251494000	-0.630528000
1	-0.968591000	4.826943000	1.825572000
1	-2.174078000	3.080630000	0.529428000
1	2.937758000	6.836434000	1.836985000
1	3.424180000	5.229127000	1.237989000
1	2.743167000	6.437947000	0.109380000
79	2.851425000	-1.241326000	-0.239202000
15	5.166008000	-1.165564000	-0.348263000
1	5.728822000	-0.289456000	-1.287064000
1	5.865092000	-0.792690000	0.808469000
1	5.827349000	-2.356908000	-0.676366000

Tsb3

6	0.932578000	1.171288000	1.859856000
6	0.033870000	1.652638000	2.812409000
6	0.185454000	0.844879000	3.978210000
6	1.130746000	-0.097124000	3.684967000
7	1.583044000	0.104433000	2.398775000
6	2.603419000	-0.724200000	1.768395000
6	1.148374000	1.625749000	0.444827000
7	0.965133000	0.557725000	-0.540447000
6	0.309272000	2.898716000	0.158798000
8	0.408139000	3.851425000	0.913331000
7	-0.472048000	2.850929000	-0.938229000
6	-1.394053000	3.929071000	-1.354216000
6	-0.609777000	5.214363000	-1.628876000
6	-2.068387000	3.438858000	-2.634604000
6	-2.439974000	4.151122000	-0.257246000
6	0.054180000	-0.444811000	-0.443330000
8	0.085485000	-1.447004000	-1.149518000
6	-1.109644000	-0.250458000	0.472359000
6	-1.550543000	0.363203000	1.486594000
6	-2.634567000	0.778503000	2.393462000
6	1.878325000	0.563926000	-1.707347000
6	3.243760000	0.014395000	-1.401059000
6	3.450760000	-1.363398000	-1.359884000
6	4.679881000	-1.896015000	-0.980498000
6	5.729961000	-1.034370000	-0.641419000
6	5.538182000	0.352285000	-0.700222000
6	4.308601000	0.865042000	-1.081902000
8	6.957680000	-1.439171000	-0.257274000
6	7.221006000	-2.828723000	-0.220350000
1	-0.495311000	2.589425000	2.722676000
1	-0.318189000	0.970258000	4.925127000
1	1.545519000	-0.894618000	4.283886000
1	3.124005000	-1.270182000	2.554850000
1	2.163058000	-1.435820000	1.065368000
1	3.326047000	-0.102258000	1.236784000
1	2.197095000	1.939789000	0.346703000
1	-0.494678000	1.990244000	-1.464461000
1	-1.295087000	5.993568000	-1.973590000

1	-0.108043000	5.560860000	-0.724549000
1	0.138004000	5.044617000	-2.408658000
1	-2.775474000	4.189031000	-2.995100000
1	-2.623167000	2.510354000	-2.455296000
1	-1.329537000	3.263471000	-3.423042000
1	-3.152775000	4.918608000	-0.570758000
1	-2.993087000	3.223606000	-0.070939000
1	-1.959454000	4.479246000	0.666677000
1	-2.710662000	1.867041000	2.420458000
1	-3.577466000	0.375180000	2.012077000
1	-2.458015000	0.404704000	3.402478000
1	1.945805000	1.607242000	-2.037026000
1	1.387573000	-0.018245000	-2.488961000
1	2.628827000	-2.028734000	-1.612210000
1	4.813718000	-2.970679000	-0.962438000
1	6.374169000	0.997305000	-0.454010000
1	4.177869000	1.943598000	-1.141600000
1	8.256572000	-2.930371000	0.099849000
1	6.566709000	-3.337791000	0.496950000
1	7.098843000	-3.281966000	-1.210280000
79	-2.665886000	-1.599710000	-0.164278000
15	-4.199679000	-3.091288000	-0.943913000
1	-4.727245000	-4.002436000	-0.018849000
1	-5.366136000	-2.565827000	-1.514092000
1	-3.751200000	-3.946086000	-1.957968000

2b

6	1.440962000	1.258848000	1.259226000
6	0.472469000	0.856787000	2.301497000
6	1.353997000	0.343792000	3.396818000
6	2.620985000	0.575271000	3.043123000
7	2.649181000	1.153547000	1.735237000
6	3.914562000	1.568412000	1.129423000
6	1.012665000	1.580826000	-0.143518000
7	0.862249000	0.321373000	-0.848091000
6	-0.249514000	2.476688000	-0.073673000
8	-0.313546000	3.299476000	0.830191000
7	-1.136333000	2.287245000	-1.055765000
6	-2.451947000	2.962533000	-1.134397000
6	-2.242674000	4.462427000	-1.349546000
6	-3.171562000	2.342440000	-2.330631000
6	-3.244570000	2.699873000	0.150026000
6	0.136396000	-0.745429000	-0.306081000
8	0.312924000	-1.871849000	-0.740144000
6	-0.953423000	-0.475986000	0.685356000
6	-0.803734000	0.154190000	1.862087000
6	-1.907987000	0.330133000	2.870864000
6	1.779636000	0.041566000	-1.963769000
6	3.207672000	-0.231494000	-1.555225000
6	3.517118000	-1.314849000	-0.730710000
6	4.837032000	-1.604763000	-0.386892000
6	5.874291000	-0.801745000	-0.879025000
6	5.571627000	0.294361000	-1.697968000
6	4.253650000	0.565735000	-2.032776000

8	7.183836000	-0.999268000	-0.621646000
6	7.551100000	-2.146224000	0.122204000
1	0.136982000	1.863901000	2.639143000
1	1.010054000	-0.067251000	4.335091000
1	3.557704000	0.417880000	3.558355000
1	4.495045000	0.679850000	0.873287000
1	3.724574000	2.146811000	0.229864000
1	4.449103000	2.181271000	1.856406000
1	1.783433000	2.161672000	-0.660032000
1	-0.985401000	1.480540000	-1.647853000
1	-3.212666000	4.960308000	-1.431605000
1	-1.697164000	4.897520000	-0.510095000
1	-1.683175000	4.642978000	-2.271478000
1	-4.153884000	2.803884000	-2.453075000
1	-3.317281000	1.265678000	-2.178596000
1	-2.605801000	2.497493000	-3.254662000
1	-4.239384000	3.145810000	0.063806000
1	-3.357135000	1.621776000	0.314260000
1	-2.739274000	3.141816000	1.010892000
1	-2.163499000	1.392450000	2.970851000
1	-2.804366000	-0.218582000	2.579409000
1	-1.600812000	-0.025090000	3.861493000
1	1.743660000	0.902394000	-2.640813000
1	1.360117000	-0.821830000	-2.483151000
1	2.714931000	-1.958977000	-0.379983000
1	5.048668000	-2.466847000	0.234302000
1	6.391159000	0.897578000	-2.072908000
1	4.035160000	1.404684000	-2.690295000
1	8.638220000	-2.134682000	0.176772000
1	7.136105000	-2.111765000	1.136496000
1	7.218847000	-3.063511000	-0.376098000
79	-2.698796000	-1.368078000	0.055110000
15	-4.626371000	-2.420642000	-0.694224000
1	-4.625432000	-2.903007000	-2.010830000
1	-5.034412000	-3.573645000	-0.007857000
1	-5.827526000	-1.695641000	-0.696774000

TSb4

6	1.627869000	0.825806000	1.155474000
6	0.673492000	0.391201000	2.130409000
6	1.456187000	0.133557000	3.332704000
6	2.736870000	0.471237000	3.051567000
7	2.823037000	0.914843000	1.729233000
6	4.037265000	1.493962000	1.157990000
6	1.150036000	1.327126000	-0.167858000
7	0.777904000	0.243816000	-1.057208000
6	-0.042225000	2.297379000	0.127826000
8	-0.170786000	2.776631000	1.267692000
7	-0.816627000	2.568220000	-0.907780000
6	-2.033724000	3.421008000	-0.866679000
6	-1.642968000	4.846575000	-0.473784000
6	-2.610972000	3.395849000	-2.280604000
6	-3.033323000	2.824673000	0.128611000

6	-0.014524000	-0.811485000	-0.578758000
8	0.023186000	-1.892782000	-1.139322000
6	-1.000321000	-0.566315000	0.525385000
6	-0.685493000	-0.126917000	1.760934000
6	-1.674626000	-0.011645000	2.890145000
6	1.694403000	-0.034830000	-2.173725000
6	3.105278000	-0.342334000	-1.729293000
6	3.348561000	-1.324515000	-0.768333000
6	4.642018000	-1.604721000	-0.333602000
6	5.722965000	-0.903336000	-0.880671000
6	5.491502000	0.076038000	-1.854572000
6	4.195864000	0.349880000	-2.268022000
8	7.013476000	-1.091713000	-0.529764000
6	7.309273000	-2.134139000	0.379855000
1	0.415830000	1.627467000	2.088963000
1	1.083404000	-0.253498000	4.269340000
1	3.624307000	0.465231000	3.667582000
1	4.894388000	0.947405000	1.551583000
1	4.023115000	1.373543000	0.075197000
1	4.112076000	2.548468000	1.430981000
1	1.924908000	1.921038000	-0.665264000
1	-0.660945000	2.001263000	-1.733627000
1	-2.533848000	5.479722000	-0.479888000
1	-1.208014000	4.871146000	0.526836000
1	-0.924084000	5.258323000	-1.187336000
1	-3.513723000	4.008947000	-2.318227000
1	-2.883019000	2.376566000	-2.575921000
1	-1.897000000	3.798958000	-3.005196000
1	-3.947937000	3.423752000	0.125965000
1	-3.286224000	1.796371000	-0.150630000
1	-2.623480000	2.823423000	1.140499000
1	-1.704062000	1.015480000	3.273311000
1	-2.676921000	-0.293383000	2.564478000
1	-1.394640000	-0.664017000	3.725123000
1	1.698167000	0.838099000	-2.836906000
1	1.258623000	-0.876074000	-2.714918000
1	2.514341000	-1.893195000	-0.363198000
1	4.797439000	-2.379457000	0.407436000
1	6.345004000	0.598981000	-2.271856000
1	4.030544000	1.109440000	-3.028497000
1	8.392568000	-2.143540000	0.486770000
1	6.850020000	-1.951746000	1.359080000
1	6.970717000	-3.102544000	-0.004198000
79	-2.848841000	-1.299268000	-0.003638000
15	-4.891606000	-2.204505000	-0.626415000
1	-6.021789000	-1.883649000	0.141205000
1	-5.378503000	-1.918566000	-1.909982000
1	-4.986410000	-3.603777000	-0.633667000

3b

6	1.520957000	1.071150000	0.663348000
6	0.684445000	0.745930000	1.721908000
6	1.424294000	0.998465000	2.910485000
6	2.674057000	1.423771000	2.522482000

7	2.731103000	1.474867000	1.156331000
6	3.886269000	1.894390000	0.379291000
6	1.150107000	0.894174000	-0.771704000
7	0.859029000	-0.478059000	-1.113087000
6	-0.046386000	1.765978000	-1.158544000
8	-0.597991000	1.451754000	-2.294851000
7	-0.414739000	2.775579000	-0.431279000
6	-1.614060000	3.656334000	-0.586449000
6	-2.873666000	2.799145000	-0.427354000
6	-1.516810000	4.670363000	0.553855000
6	-1.571047000	4.398377000	-1.927519000
6	-0.110145000	-1.192862000	-0.420654000
8	-0.220023000	-2.396305000	-0.592710000
6	-1.086238000	-0.474765000	0.471866000
6	-0.701466000	0.289625000	1.525464000
6	-1.664393000	0.763324000	2.585412000
6	1.801644000	-1.176366000	-1.987545000
6	3.208156000	-1.164501000	-1.432370000
6	3.444415000	-1.539276000	-0.109866000
6	4.728453000	-1.525704000	0.428305000
6	5.808144000	-1.137645000	-0.373814000
6	5.583780000	-0.760669000	-1.702956000
6	4.295992000	-0.773734000	-2.220037000
8	7.092958000	-1.085574000	0.043781000
6	7.381347000	-1.535406000	1.352682000
1	-1.353910000	2.013372000	-2.521955000
1	1.092693000	0.852403000	3.927741000
1	3.534837000	1.703490000	3.112082000
1	4.744984000	1.959928000	1.047033000
1	4.109987000	1.156740000	-0.394784000
1	3.718653000	2.876066000	-0.073560000
1	1.972451000	1.223546000	-1.422675000
1	0.075675000	2.812175000	0.465323000
1	-3.755917000	3.437734000	-0.518406000
1	-2.951860000	2.006577000	-1.179353000
1	-2.886352000	2.313407000	0.552344000
1	-2.391685000	5.322722000	0.536774000
1	-0.622736000	5.292174000	0.453212000
1	-1.494163000	4.164621000	1.524430000
1	-2.328364000	5.185460000	-1.911879000
1	-0.596225000	4.865035000	-2.086493000
1	-1.805291000	3.777974000	-2.799789000
1	-1.583359000	1.846935000	2.742167000
1	-2.696459000	0.507188000	2.335671000
1	-1.427133000	0.293945000	3.546990000
1	1.782235000	-0.708625000	-2.979683000
1	1.416030000	-2.193078000	-2.082795000
1	2.607783000	-1.841789000	0.516466000
1	4.876532000	-1.825415000	1.458680000
1	6.436675000	-0.468389000	-2.305451000
1	4.134305000	-0.484068000	-3.255693000
1	8.460602000	-1.451430000	1.470394000

1	6.884935000	-0.912913000	2.107162000
1	7.078886000	-2.579670000	1.489393000
79	-2.976468000	-1.210329000	0.167690000
15	-5.057030000	-2.186386000	-0.179573000
1	-5.069802000	-3.395863000	-0.890063000
1	-5.794243000	-2.561710000	0.954503000
1	-6.047712000	-1.483079000	-0.882899000

TSb5

6	1.441142000	0.462546000	1.036925000
6	0.514054000	-0.060496000	1.939378000
6	1.213201000	-0.296670000	3.161478000
6	2.517110000	0.051856000	2.943137000
7	2.644460000	0.529538000	1.656013000
6	3.892141000	1.010868000	1.080871000
6	1.176404000	0.912425000	-0.379604000
7	0.618485000	-0.160018000	-1.183986000
6	0.309133000	2.184160000	-0.397817000
8	-0.942762000	2.139304000	-0.339027000
7	0.965361000	3.335496000	-0.449332000
6	0.362527000	4.697932000	-0.394630000
6	-0.407279000	4.864121000	0.916970000
6	1.539799000	5.671143000	-0.443599000
6	-0.547983000	4.903592000	-1.606635000
6	-0.457943000	-0.905067000	-0.745170000
8	-0.753851000	-1.960929000	-1.278104000
6	-1.365314000	-0.342378000	0.333531000
6	-0.889755000	-0.191228000	1.637089000
6	-1.839552000	-0.048307000	2.786604000
6	1.484390000	-0.708338000	-2.235986000
6	2.828545000	-1.143572000	-1.696677000
6	2.904578000	-1.994267000	-0.593675000
6	4.130928000	-2.376813000	-0.056228000
6	5.315290000	-1.914628000	-0.642498000
6	5.252318000	-1.070147000	-1.757618000
6	4.020635000	-0.688935000	-2.270787000
8	6.556210000	-2.216557000	-0.201789000
6	6.673577000	-3.111115000	0.887282000
1	-1.383784000	0.930302000	0.043753000
1	0.807890000	-0.714277000	4.071259000
1	3.378790000	0.007053000	3.592132000
1	4.707473000	0.729417000	1.746423000
1	4.067231000	0.543288000	0.109253000
1	3.881738000	2.100646000	0.986351000
1	2.136782000	1.166218000	-0.840010000
1	1.970859000	3.293058000	-0.547236000
1	-0.790682000	5.885712000	0.979201000
1	-1.251713000	4.175429000	0.968390000
1	0.250057000	4.691988000	1.773971000
1	1.168195000	6.696883000	-0.406259000
1	2.109285000	5.555337000	-1.371589000
1	2.209640000	5.525415000	0.410328000
1	-0.951278000	5.919304000	-1.583128000
1	0.013247000	4.779861000	-2.536881000
1	-1.381263000	4.199752000	-1.596484000
1	-1.457224000	0.630510000	3.551085000

1	-2.821528000	0.280999000	2.436978000
1	-1.976011000	-1.036584000	3.243536000
1	1.619378000	0.053071000	-3.012743000
1	0.934480000	-1.544993000	-2.670588000
1	1.986886000	-2.364228000	-0.140626000
1	4.152310000	-3.037960000	0.801474000
1	6.182968000	-0.731116000	-2.199264000
1	3.985300000	-0.034464000	-3.138547000
1	7.740965000	-3.240359000	1.058699000
1	6.207113000	-2.700940000	1.791326000
1	6.221187000	-4.081562000	0.654809000
79	-3.325885000	-0.956565000	-0.055322000
15	-5.448741000	-1.696344000	-0.555110000
1	-5.566801000	-2.587374000	-1.630599000
1	-6.143545000	-2.402900000	0.437331000
1	-6.414533000	-0.743441000	-0.906823000

4b

6	1.012203000	0.836116000	0.827102000
6	-0.184138000	0.541147000	1.475920000
6	0.141820000	0.195951000	2.821208000
6	1.506403000	0.269175000	2.922435000
7	2.026234000	0.674028000	1.712466000
6	3.439881000	0.911668000	1.445269000
6	1.138024000	1.319542000	-0.584431000
7	0.641816000	0.312157000	-1.504766000
6	0.427670000	2.679393000	-0.865418000
8	-0.045246000	2.888026000	-1.966945000
7	0.435615000	3.551818000	0.163005000
6	-0.091151000	4.933436000	0.086128000
6	-1.586295000	4.896470000	-0.242971000
6	0.129305000	5.550997000	1.466081000
6	0.677698000	5.721232000	-0.977522000
6	-0.656986000	-0.048790000	-1.515099000
8	-1.116390000	-0.912463000	-2.266288000
6	-1.630220000	0.579925000	-0.534781000
6	-1.462262000	0.758321000	0.829379000
6	-2.563266000	1.345868000	1.672727000
6	1.593814000	-0.321962000	-2.417961000
6	2.730394000	-0.962299000	-1.652921000
6	2.468697000	-1.825136000	-0.589567000
6	3.498293000	-2.409018000	0.144759000
6	4.827583000	-2.132670000	-0.195896000
6	5.103411000	-1.267484000	-1.261534000
6	4.063878000	-0.689852000	-1.975620000
8	5.903384000	-2.638289000	0.446357000
6	5.677143000	-3.553220000	1.499694000
1	-2.491012000	1.033475000	-1.028637000
1	-0.537205000	-0.098337000	3.608014000
1	2.162246000	0.070624000	3.756832000
1	4.016519000	0.544183000	2.293515000
1	3.750413000	0.370941000	0.548570000
1	3.632491000	1.980858000	1.323100000
1	2.194865000	1.475263000	-0.827419000
1	0.818732000	3.246284000	1.046846000
1	-1.983343000	5.914937000	-0.268748000

1	-1.753912000	4.430396000	-1.215031000
1	-2.132886000	4.337288000	0.523652000
1	-0.244169000	6.577086000	1.477948000
1	1.194185000	5.576813000	1.719451000
1	-0.405236000	4.987957000	2.239342000
1	0.308713000	6.749801000	-1.011719000
1	1.744413000	5.746497000	-0.736982000
1	0.544216000	5.268763000	-1.961513000
1	-2.239221000	2.335424000	2.012275000
1	-3.499822000	1.445016000	1.120645000
1	-2.735504000	0.741626000	2.567661000
1	1.972105000	0.438539000	-3.110222000
1	1.026266000	-1.053713000	-2.996108000
1	1.436268000	-2.038978000	-0.318285000
1	3.259146000	-3.073510000	0.966157000
1	6.140777000	-1.067982000	-1.506536000
1	4.291692000	-0.019742000	-2.800709000
1	6.660881000	-3.856969000	1.853693000
1	5.124004000	-3.084134000	2.322549000
1	5.127811000	-4.434376000	1.149330000
79	-2.662108000	-1.422337000	-0.045877000
15	-3.745352000	-3.388690000	0.228755000
1	-3.671552000	-3.988138000	1.491550000
1	-5.126401000	-3.368291000	0.001681000
1	-3.329680000	-4.429684000	-0.609726000

1-Pt

6	0.744807000	1.018202000	1.931649000
6	0.041441000	1.630678000	2.949178000
6	0.226072000	0.854034000	4.120463000
6	1.032034000	-0.207625000	3.775600000
7	1.358128000	-0.101260000	2.452249000
6	2.265174000	-0.994532000	1.749681000
6	1.088949000	1.567107000	0.577989000
7	0.964922000	0.673424000	-0.576741000
6	0.387787000	2.927780000	0.369461000
8	0.876171000	3.915066000	0.897704000
7	-0.732391000	2.922034000	-0.380948000
6	-1.514444000	4.141921000	-0.673158000
6	-0.635002000	5.148462000	-1.422673000
6	-2.686400000	3.718944000	-1.556068000
6	-2.038592000	4.748154000	0.632731000
6	0.211857000	-0.445077000	-0.718131000
8	0.346854000	-1.241201000	-1.634251000
6	-0.909572000	-0.671229000	0.229194000
6	-1.752686000	-0.727190000	1.168518000
6	-2.407506000	-0.649258000	2.475125000
6	1.918789000	0.958958000	-1.666742000
6	3.286557000	0.396535000	-1.371880000
6	3.539230000	-0.964080000	-1.548019000
6	4.763067000	-1.521840000	-1.185684000
6	5.758681000	-0.706751000	-0.638745000
6	5.521143000	0.661182000	-0.469232000
6	4.298360000	1.201814000	-0.837004000
8	6.980615000	-1.145621000	-0.249158000

6	7.271235000	-2.516228000	-0.420255000
1	-0.497325000	2.563349000	2.857801000
1	-0.182406000	1.047245000	5.101316000
1	1.401272000	-1.036593000	4.361722000
1	2.774135000	-1.612728000	2.489459000
1	1.731579000	-1.649543000	1.053312000
1	3.014440000	-0.421645000	1.196677000
1	2.153907000	1.834089000	0.613594000
1	-1.072561000	2.044469000	-0.758104000
1	-1.222834000	6.037578000	-1.669297000
1	0.217441000	5.447219000	-0.811132000
1	-0.270277000	4.708472000	-2.356036000
1	-3.275255000	4.599067000	-1.826715000
1	-3.337668000	3.010971000	-1.035982000
1	-2.333377000	3.244895000	-2.477780000
1	-2.653965000	5.625341000	0.411353000
1	-2.658130000	4.018799000	1.164022000
1	-1.210311000	5.051640000	1.274812000
1	-3.263583000	0.027830000	2.417399000
1	-2.756168000	-1.645836000	2.756154000
1	-1.688007000	-0.276316000	3.206963000
1	1.957252000	2.048547000	-1.773333000
1	1.501853000	0.534257000	-2.580086000
1	2.758179000	-1.596855000	-1.959823000
1	4.929231000	-2.581429000	-1.337661000
1	6.312828000	1.274817000	-0.053952000
1	4.127189000	2.268606000	-0.709556000
1	8.286476000	-2.658969000	-0.052025000
1	6.584169000	-3.146017000	0.157558000
1	7.222963000	-2.806133000	-1.476456000
78	-2.535733000	-1.676174000	-0.467079000
17	-3.085161000	0.222653000	-1.646820000
17	-2.208572000	-3.711986000	0.519743000

TSc1

6	0.625596000	0.907658000	1.819424000
6	-0.208060000	1.384455000	2.838934000
6	0.004649000	0.597137000	3.975094000
6	0.996360000	-0.317267000	3.648482000
7	1.398932000	-0.109894000	2.376885000
6	2.454319000	-0.859257000	1.709106000
6	1.061329000	1.637056000	0.575734000
7	1.015419000	0.759519000	-0.577831000
6	0.245966000	2.940447000	0.426728000
8	0.573088000	3.902566000	1.106433000
7	-0.798178000	2.896778000	-0.421819000
6	-1.737138000	4.025029000	-0.602563000
6	-0.980659000	5.255154000	-1.113203000
6	-2.769507000	3.584856000	-1.638034000
6	-2.429493000	4.328235000	0.730808000
6	0.306331000	-0.395604000	-0.544944000
8	0.444102000	-1.307595000	-1.337131000
6	-0.731730000	-0.429075000	0.537062000
6	-1.911096000	-0.603938000	1.009161000
6	-2.857777000	-0.343028000	2.113393000
6	1.946797000	0.991567000	-1.686140000

6	3.327876000	0.475997000	-1.368247000
6	3.619699000	-0.879780000	-1.514724000
6	4.849234000	-1.399269000	-1.115653000
6	5.811054000	-0.549274000	-0.560990000
6	5.534829000	0.815517000	-0.422921000
6	4.307053000	1.317496000	-0.827943000
8	7.033859000	-0.949676000	-0.135685000
6	7.364605000	-2.314337000	-0.283268000
1	-0.869355000	2.234480000	2.737328000
1	-0.497763000	0.670300000	4.927703000
1	1.430921000	-1.113944000	4.235784000
1	2.047762000	-1.524870000	0.942559000
1	3.174042000	-0.177434000	1.248217000
1	2.967715000	-1.458194000	2.461152000
1	2.101001000	1.966960000	0.708646000
1	-1.012319000	2.027755000	-0.902641000
1	-1.687669000	6.073390000	-1.279294000
1	-0.229392000	5.578033000	-0.391763000
1	-0.490095000	5.027511000	-2.064287000
1	-3.471731000	4.402189000	-1.821713000
1	-3.330470000	2.711197000	-1.295409000
1	-2.287383000	3.326237000	-2.586316000
1	-3.155605000	5.135672000	0.598950000
1	-2.965182000	3.440546000	1.084368000
1	-1.697351000	4.632842000	1.481542000
1	-2.432005000	0.359404000	2.828593000
1	-3.786249000	0.055497000	1.698176000
1	-3.084801000	-1.293460000	2.604539000
1	1.958091000	2.070897000	-1.872039000
1	1.525869000	0.492974000	-2.561298000
1	2.863028000	-1.541937000	-1.926342000
1	5.045253000	-2.456656000	-1.245588000
1	6.302296000	1.457551000	-0.005040000
1	4.107469000	2.382128000	-0.726903000
1	8.375488000	-2.425339000	0.107005000
1	6.682784000	-2.954973000	0.288808000
1	7.345075000	-2.617953000	-1.336346000
78	-2.422603000	-1.724885000	-0.510118000
17	-2.610440000	0.060045000	-1.982385000
17	-2.370115000	-3.645078000	0.741766000

1c

6	0.416781000	0.626260000	1.621114000
6	-0.222419000	1.324206000	2.773830000
6	0.457057000	1.075682000	3.913778000
6	1.534067000	0.188039000	3.571142000
7	1.539984000	-0.084574000	2.303001000
6	2.470434000	-0.962734000	1.602270000
6	1.023650000	1.637058000	0.572489000
7	1.067767000	0.875056000	-0.638743000
6	0.156000000	2.916779000	0.518175000
8	0.253276000	3.706038000	1.452255000
7	-0.641360000	3.030678000	-0.551463000
6	-1.651064000	4.100509000	-0.715769000
6	-0.980082000	5.472924000	-0.621369000
6	-2.257140000	3.918793000	-2.107239000

6	-2.728346000	3.932859000	0.360777000
6	0.304322000	-0.279516000	-0.605780000
8	0.294399000	-1.099684000	-1.497845000
6	-0.379174000	-0.304310000	0.722404000
6	-1.548408000	-0.932840000	0.986075000
6	-2.199648000	-1.014932000	2.335316000
6	2.004967000	1.151532000	-1.719307000
6	3.355094000	0.545884000	-1.424934000
6	3.571507000	-0.810517000	-1.669055000
6	4.754282000	-1.433994000	-1.275546000
6	5.742186000	-0.689953000	-0.623005000
6	5.539571000	0.673413000	-0.380382000
6	4.358509000	1.280551000	-0.783394000
8	6.923339000	-1.195621000	-0.189942000
6	7.198404000	-2.552403000	-0.469242000
1	-1.098158000	1.947732000	2.652216000
1	0.253136000	1.444081000	4.907621000
1	2.275527000	-0.242916000	4.236536000
1	1.897632000	-1.647623000	0.972249000
1	3.143304000	-0.367468000	0.978899000
1	3.042705000	-1.523999000	2.340670000
1	2.019497000	1.958065000	0.904952000
1	-0.775356000	2.195556000	-1.117643000
1	-1.726951000	6.247861000	-0.816539000
1	-0.547557000	5.636696000	0.365520000
1	-0.191176000	5.560506000	-1.374613000
1	-3.011936000	4.690610000	-2.278305000
1	-2.735224000	2.940106000	-2.204389000
1	-1.486155000	4.016136000	-2.878008000
1	-3.510875000	4.685905000	0.229399000
1	-3.180290000	2.938966000	0.279726000
1	-2.290070000	4.061891000	1.354301000
1	-1.564763000	-0.641708000	3.142829000
1	-3.141922000	-0.458388000	2.324937000
1	-2.448066000	-2.061605000	2.532229000
1	2.067014000	2.236934000	-1.851485000
1	1.567762000	0.715055000	-2.620914000
1	2.787308000	-1.390022000	-2.149521000
1	4.894321000	-2.487895000	-1.483438000
1	6.328670000	1.230169000	0.113244000
1	4.214223000	2.343287000	-0.600633000
1	8.190862000	-2.749369000	-0.065848000
1	6.471976000	-3.216566000	0.014267000
1	7.198541000	-2.745231000	-1.548256000
78	-2.542521000	-1.707228000	-0.425179000
17	-2.814055000	0.374200000	-1.478533000
17	-2.443797000	-3.866359000	0.384684000

TSc2

6	-0.938174000	-1.191752000	0.935347000
6	-0.742669000	-2.527790000	0.358029000
6	-0.623191000	-3.438145000	1.435734000
6	-0.822006000	-2.710635000	2.591441000
7	-0.998072000	-1.401638000	2.334803000
6	-1.269173000	-0.338454000	3.289456000

6	-1.855272000	-0.168139000	0.283422000
7	-1.309837000	-0.045658000	-1.049884000
6	-3.292926000	-0.689409000	0.374678000
8	-3.886875000	-0.582945000	1.440397000
7	-3.762193000	-1.292063000	-0.733374000
6	-5.078016000	-1.951025000	-0.837668000
6	-6.186031000	-0.922873000	-0.592593000
6	-5.174309000	-2.500257000	-2.260033000
6	-5.160940000	-3.093539000	0.179232000
6	0.045937000	-0.388183000	-1.105553000
8	0.756772000	-0.150917000	-2.051814000
6	0.426215000	-1.062439000	0.184880000
6	1.723864000	-1.145896000	0.671965000
6	2.050513000	-1.739770000	2.003285000
6	-1.774144000	1.063856000	-1.900015000
6	-1.590853000	2.397822000	-1.218828000
6	-0.304415000	2.886020000	-0.990223000
6	-0.099281000	4.066930000	-0.283716000
6	-1.199694000	4.782152000	0.196399000
6	-2.494544000	4.302780000	-0.028779000
6	-2.682086000	3.117697000	-0.724220000
8	-1.113270000	5.942181000	0.894628000
6	0.178827000	6.451220000	1.151451000
1	-0.916505000	-2.776835000	-0.679527000
1	-0.425458000	-4.496053000	1.370267000
1	-0.811162000	-3.058216000	3.617765000
1	-0.546128000	0.470746000	3.146633000
1	-2.287007000	0.031331000	3.144064000
1	-1.159471000	-0.742871000	4.296027000
1	-1.816927000	0.784246000	0.831862000
1	-3.133663000	-1.331316000	-1.525631000
1	-7.163934000	-1.401825000	-0.694991000
1	-6.101220000	-0.502052000	0.410436000
1	-6.119034000	-0.112859000	-1.325128000
1	-6.137532000	-2.995564000	-2.402335000
1	-4.384473000	-3.234162000	-2.452184000
1	-5.094015000	-1.694173000	-2.996615000
1	-6.122020000	-3.606750000	0.083257000
1	-4.361461000	-3.819718000	0.001803000
1	-5.067603000	-2.704489000	1.194507000
1	1.495450000	-1.226314000	2.796230000
1	1.752020000	-2.797238000	2.012931000
1	3.116235000	-1.671825000	2.208311000
1	-2.828969000	0.897050000	-2.142863000
1	-1.187045000	0.995097000	-2.818231000
1	0.562450000	2.335973000	-1.348086000
1	0.917119000	4.400958000	-0.113864000
1	-3.330854000	4.874327000	0.358524000
1	-3.691520000	2.743298000	-0.882576000
1	0.035016000	7.372755000	1.714763000
1	0.775000000	5.748766000	1.745489000
1	0.712097000	6.673935000	0.219953000
78	3.159068000	-0.499090000	-0.308093000
17	3.892859000	-2.564519000	-1.028782000
17	2.843918000	1.745740000	0.196537000

TSc3

6	0.802862000	0.711955000	1.854899000
6	-0.372220000	0.773887000	2.636984000
6	-0.194853000	-0.125992000	3.725503000
6	1.039499000	-0.690364000	3.562720000
7	1.653021000	-0.180378000	2.449892000
6	2.870494000	-0.720684000	1.853697000
6	1.190544000	1.576343000	0.684432000
7	1.082440000	0.725416000	-0.469684000
6	0.317075000	2.853510000	0.687949000
8	0.410026000	3.590703000	1.660264000
7	-0.463983000	3.024194000	-0.389563000
6	-1.459583000	4.114597000	-0.504013000
6	-0.776432000	5.472106000	-0.319442000
6	-2.052970000	4.028984000	-1.909866000
6	-2.551900000	3.895272000	0.547996000
6	0.310006000	-0.395786000	-0.295636000
8	0.344103000	-1.352713000	-1.035537000
6	-0.593429000	-0.289178000	0.918742000
6	-1.871316000	-0.708355000	0.973353000
6	-2.895490000	-0.610523000	2.066434000
6	1.955473000	0.876971000	-1.630408000
6	3.343585000	0.352061000	-1.363859000
6	3.600258000	-1.015744000	-1.449060000
6	4.841959000	-1.539567000	-1.095040000
6	5.851216000	-0.680830000	-0.647600000
6	5.609269000	0.695630000	-0.570575000
6	4.368897000	1.201040000	-0.932124000
8	7.090749000	-1.082493000	-0.275786000
6	7.398721000	-2.455902000	-0.391773000
1	-1.120548000	1.544816000	2.518187000
1	-0.895645000	-0.329826000	4.519436000
1	1.534909000	-1.454624000	4.145747000
1	3.463262000	0.078508000	1.404054000
1	3.452845000	-1.195859000	2.643021000
1	2.619916000	-1.454805000	1.083275000
1	2.227662000	1.909443000	0.823724000
1	-0.616660000	2.210866000	-0.984644000
1	-1.512876000	6.264301000	-0.482161000
1	-0.356851000	5.576398000	0.680712000
1	0.023839000	5.593220000	-1.055757000
1	-2.777377000	4.836063000	-2.046793000
1	-2.562851000	3.075071000	-2.066748000
1	-1.269336000	4.139974000	-2.665754000
1	-3.329194000	4.658827000	0.450796000
1	-3.011345000	2.911417000	0.403412000
1	-2.126216000	3.961442000	1.553149000
1	-3.134399000	-1.630531000	2.384269000
1	-2.592859000	-0.021242000	2.931374000
1	-3.813932000	-0.188403000	1.652197000
1	1.976351000	1.941660000	-1.887582000
1	1.471419000	0.334908000	-2.446000000
1	2.804600000	-1.680697000	-1.775539000
1	5.011850000	-2.606262000	-1.178243000
1	6.414448000	1.342011000	-0.239056000
1	4.195801000	2.274225000	-0.884341000
1	8.432802000	-2.562814000	-0.066598000

1	6.751932000	-3.066806000	0.249155000
1	7.305477000	-2.799222000	-1.428600000
78	-2.584360000	-1.519977000	-0.603045000
17	-2.340274000	0.445344000	-1.867462000
17	-2.955978000	-3.577642000	0.364925000

2c

6	1.482186000	0.920805000	1.531586000
6	0.321012000	0.187078000	2.082113000
6	0.975987000	-0.747493000	3.059678000
6	2.287034000	-0.500299000	3.065646000
7	2.579470000	0.526545000	2.102731000
6	3.945977000	0.945369000	1.809064000
6	1.279402000	1.667265000	0.252984000
7	1.021637000	0.627335000	-0.722243000
6	0.171820000	2.705429000	0.537276000
8	0.257834000	3.269826000	1.625249000
7	-0.723875000	2.907262000	-0.430592000
6	-1.910246000	3.784737000	-0.268863000
6	-1.483509000	5.170985000	0.219911000
6	-2.555267000	3.917412000	-1.648852000
6	-2.873576000	3.115310000	0.716344000
6	0.256790000	-0.504043000	-0.376205000
8	0.246614000	-1.477598000	-1.098164000
6	-0.492989000	-0.374129000	0.912742000
6	-1.799918000	-0.705299000	1.029356000
6	-2.571620000	-0.551786000	2.310870000
6	1.906416000	0.543012000	-1.883872000
6	3.307564000	0.106938000	-1.517275000
6	3.534718000	-1.187430000	-1.043567000
6	4.815185000	-1.615489000	-0.695801000
6	5.897362000	-0.736022000	-0.821909000
6	5.679914000	0.566847000	-1.283255000
6	4.398379000	0.975201000	-1.628078000
8	7.181142000	-1.051597000	-0.522159000
6	7.451896000	-2.375829000	-0.111955000
1	-0.277977000	0.932778000	2.630722000
1	0.446229000	-1.464561000	3.670623000
1	3.104895000	-0.921570000	3.632705000
1	3.929972000	1.839926000	1.190761000
1	4.451253000	1.158994000	2.751870000
1	4.455901000	0.141194000	1.272974000
1	2.174584000	2.221697000	-0.045488000
1	-0.823846000	2.154912000	-1.113630000
1	-2.358857000	5.826809000	0.215801000
1	-1.070076000	5.135868000	1.226704000
1	-0.735830000	5.596613000	-0.456492000
1	-3.432259000	4.565946000	-1.575530000
1	-2.875898000	2.945277000	-2.029868000
1	-1.853393000	4.367969000	-2.357517000
1	-3.767065000	3.732781000	0.849914000
1	-3.176178000	2.135463000	0.331922000
1	-2.388658000	2.993022000	1.690000000
1	-2.874212000	-1.545877000	2.653948000
1	-2.008257000	-0.050606000	3.105099000
1	-3.490356000	0.010427000	2.125904000

1	1.924039000	1.524663000	-2.369040000
1	1.437285000	-0.168762000	-2.565346000
1	2.696322000	-1.876096000	-0.970081000
1	4.958739000	-2.632935000	-0.352259000
1	6.533905000	1.228749000	-1.378606000
1	4.245900000	1.982910000	-2.009051000
1	8.528076000	-2.430703000	0.046151000
1	6.935000000	-2.618169000	0.824702000
1	7.158930000	-3.099030000	-0.881581000
78	-2.806171000	-1.404183000	-0.427915000
17	-3.422288000	-3.338108000	0.670373000
17	-2.385903000	0.375407000	-1.900625000

TSc4

6	1.754667000	0.473302000	1.225414000
6	0.692440000	-0.324258000	1.726134000
6	1.289610000	-1.076472000	2.824536000
6	2.570118000	-0.643761000	2.950892000
7	2.844454000	0.313197000	1.965648000
6	4.104883000	1.026315000	1.810863000
6	1.353797000	1.343240000	0.083547000
7	0.963915000	0.485316000	-1.020326000
6	0.153555000	2.194639000	0.632464000
8	0.005215000	2.263978000	1.872069000
7	-0.585322000	2.817146000	-0.261080000
6	-1.730338000	3.708147000	0.078426000
6	-1.199446000	4.891693000	0.890791000
6	-2.297820000	4.195150000	-1.253754000
6	-2.792799000	2.933238000	0.864075000
6	0.195156000	-0.656922000	-0.697727000
8	0.061212000	-1.558604000	-1.492386000
6	-0.362898000	-0.630205000	0.700721000
6	-1.683809000	-0.778745000	0.962308000
6	-2.234108000	-0.642926000	2.354293000
6	1.883593000	0.399904000	-2.154983000
6	3.285836000	0.028431000	-1.722262000
6	3.510134000	-1.152566000	-1.012476000
6	4.781093000	-1.492137000	-0.553954000
6	5.860134000	-0.641247000	-0.817369000
6	5.651328000	0.541588000	-1.533027000
6	4.375233000	0.868872000	-1.972902000
8	7.134165000	-0.871490000	-0.412250000
6	7.404035000	-2.095063000	0.238751000
1	0.396897000	0.860072000	2.166315000
1	0.798425000	-1.827910000	3.424657000
1	3.339981000	-0.904935000	3.662674000
1	4.240433000	1.276584000	0.756476000
1	4.114623000	1.929311000	2.424665000
1	4.917771000	0.364383000	2.111460000
1	2.136021000	2.034307000	-0.245255000
1	-0.567268000	2.416199000	-1.197289000
1	-2.023190000	5.579636000	1.099467000
1	-0.778496000	4.559392000	1.841769000
1	-0.433719000	5.433947000	0.327765000
1	-3.127598000	4.879898000	-1.062907000

1	-2.672779000	3.353559000	-1.842774000
1	-1.535919000	4.732844000	-1.827776000
1	-3.636125000	3.599213000	1.070102000
1	-3.148703000	2.081097000	0.279467000
1	-2.389013000	2.580451000	1.815345000
1	-2.580163000	-1.623537000	2.695673000
1	-1.496084000	-0.241028000	3.057176000
1	-3.109079000	0.011821000	2.347219000
1	1.892733000	1.361759000	-2.679479000
1	1.454309000	-0.348430000	-2.824420000
1	2.675116000	-1.824502000	-0.822494000
1	4.919319000	-2.421182000	-0.013818000
1	6.503978000	1.181814000	-1.731684000
1	4.223393000	1.791037000	-2.529219000
1	8.474888000	-2.104065000	0.437551000
1	6.859392000	-2.172626000	1.188288000
1	7.142642000	-2.950418000	-0.394459000
78	-2.954404000	-1.166613000	-0.401230000
17	-3.759283000	-3.053401000	0.650482000
17	-2.458407000	0.617229000	-1.857320000

3c

6	-0.442309000	2.419709000	-0.888931000
6	0.912375000	2.432784000	-0.650291000
6	1.279297000	3.799582000	-0.496185000
6	0.130418000	4.544137000	-0.632910000
7	-0.927085000	3.704968000	-0.873525000
6	-2.300120000	4.114343000	-1.055532000
6	-1.203901000	1.154596000	-1.113759000
7	-0.359817000	0.158168000	-1.712699000
6	-1.746021000	0.721735000	0.256046000
8	-1.017263000	0.162542000	1.146852000
7	-2.964747000	1.082793000	0.583688000
6	-3.585741000	1.070490000	1.941138000
6	-2.748732000	1.960620000	2.863863000
6	-4.981764000	1.660453000	1.745641000
6	-3.688090000	-0.354505000	2.485958000
6	1.038169000	0.127410000	-1.572073000
8	1.678246000	-0.704246000	-2.178529000
6	1.622159000	1.145513000	-0.639059000
6	2.629913000	0.818507000	0.206502000
6	3.265913000	1.800261000	1.150835000
6	-1.019310000	-0.832478000	-2.564801000
6	-2.242361000	-1.383301000	-1.874862000
6	-3.523946000	-0.991669000	-2.246268000
6	-4.652259000	-1.401576000	-1.528923000
6	-4.483268000	-2.229418000	-0.419864000
6	-3.197998000	-2.645684000	-0.044389000
6	-2.093387000	-2.225567000	-0.762226000
8	-5.495299000	-2.665668000	0.375036000
6	-6.812095000	-2.317442000	0.007926000
1	-0.164052000	-0.341139000	0.866516000
1	2.272356000	4.192772000	-0.341398000
1	-0.022646000	5.612905000	-0.597817000
1	-2.909412000	3.896430000	-0.170054000

1	-2.326536000	5.189489000	-1.234909000
1	-2.737603000	3.617009000	-1.926787000
1	-2.074320000	1.322108000	-1.764381000
1	-3.527863000	1.455530000	-0.171066000
1	-3.250041000	2.048015000	3.831185000
1	-1.756640000	1.536251000	3.026870000
1	-2.638848000	2.963454000	2.439485000
1	-5.513303000	1.670373000	2.699186000
1	-5.559909000	1.053784000	1.039822000
1	-4.930988000	2.690836000	1.376341000
1	-4.095643000	-0.305877000	3.499764000
1	-4.357448000	-0.964578000	1.874896000
1	-2.708963000	-0.833822000	2.529470000
1	4.207056000	2.150181000	0.711910000
1	2.614617000	2.655778000	1.350089000
1	3.519835000	1.314731000	2.094619000
1	-0.273283000	-1.604640000	-2.760255000
1	-1.299347000	-0.374219000	-3.523615000
1	-3.655664000	-0.353090000	-3.117842000
1	-5.637419000	-1.085101000	-1.850393000
1	-3.099272000	-3.294249000	0.819900000
1	-1.094985000	-2.530208000	-0.454012000
1	-7.467860000	-2.786768000	0.740119000
1	-6.960517000	-1.230039000	0.033899000
1	-7.058178000	-2.688628000	-0.993624000
78	3.286481000	-0.967824000	0.375152000
17	1.095723000	-1.786901000	0.976921000
17	5.472263000	-0.494307000	-0.096094000

TSc5

6	1.602766000	0.256482000	1.268672000
6	0.578586000	-0.615957000	1.550599000
6	1.058309000	-1.510058000	2.543350000
6	2.359217000	-1.133898000	2.809815000
7	2.690948000	-0.058407000	2.025679000
6	4.002118000	0.548891000	1.912924000
6	1.473567000	1.193999000	0.106568000
7	0.906653000	0.461859000	-1.036163000
6	0.505359000	2.342017000	0.417909000
8	-0.611279000	2.097616000	0.927000000
7	0.875957000	3.574030000	0.095794000
6	0.011101000	4.781857000	0.179812000
6	-0.386646000	5.027165000	1.636891000
6	0.865017000	5.939586000	-0.335664000
6	-1.220039000	4.587904000	-0.709288000
6	-0.095709000	-0.481900000	-0.803758000
8	-0.457558000	-1.254739000	-1.660903000
6	-0.602819000	-0.493840000	0.640035000
6	-1.909027000	-0.902605000	0.953503000
6	-2.284544000	-1.179379000	2.373378000
6	1.801264000	0.251910000	-2.174297000
6	3.111673000	-0.369972000	-1.737379000
6	3.111897000	-1.543100000	-0.980398000
6	4.297519000	-2.108960000	-0.519665000
6	5.518140000	-1.498077000	-0.826105000

6	5.533516000	-0.322246000	-1.582724000
6	4.339429000	0.232714000	-2.024572000
8	6.729040000	-1.962286000	-0.427846000
6	6.757356000	-3.168164000	0.305393000
1	-0.864977000	0.799469000	0.832884000
1	0.529550000	-2.331762000	3.003086000
1	3.077649000	-1.540738000	3.506290000
1	3.967979000	1.604092000	2.198471000
1	4.686821000	0.028598000	2.583087000
1	4.377630000	0.453011000	0.888096000
1	2.444934000	1.593596000	-0.201981000
1	1.786557000	3.687331000	-0.327224000
1	-0.968851000	5.950607000	1.698101000
1	-0.995298000	4.206127000	2.017363000
1	0.502149000	5.137180000	2.265441000
1	0.285159000	6.864178000	-0.301972000
1	1.167993000	5.771820000	-1.374645000
1	1.759640000	6.077357000	0.281023000
1	-1.833711000	5.492500000	-0.674566000
1	-0.919179000	4.415229000	-1.746679000
1	-1.824000000	3.739892000	-0.380222000
1	-2.363348000	-2.271057000	2.467964000
1	-1.539393000	-0.798393000	3.076721000
1	-3.273656000	-0.778183000	2.599002000
1	1.983723000	1.210464000	-2.673766000
1	1.255996000	-0.391988000	-2.867864000
1	2.167370000	-2.024941000	-0.736826000
1	4.256207000	-3.017815000	0.068185000
1	6.491654000	0.133613000	-1.807217000
1	4.362854000	1.147471000	-2.612596000
1	7.807473000	-3.379164000	0.503520000
1	6.221126000	-3.069951000	1.257545000
1	6.321136000	-3.994622000	-0.267475000
78	-3.248627000	-1.004673000	-0.320875000
17	-2.978761000	1.156519000	-1.123463000
17	-3.882598000	-3.170797000	0.148248000

4c

6	-0.471708000	2.293391000	-0.721440000
6	0.841030000	2.243405000	-0.324410000
6	1.320885000	3.583135000	-0.326169000
6	0.264708000	4.381269000	-0.704194000
7	-0.830315000	3.591509000	-0.935980000
6	-2.135004000	4.041616000	-1.377298000
6	-1.338052000	1.085158000	-0.865268000
7	-0.506544000	-0.035881000	-1.287132000
6	-2.032674000	0.829522000	0.497403000
8	-1.355341000	0.623636000	1.492253000
7	-3.378310000	0.986362000	0.494659000
6	-4.215584000	1.047264000	1.710602000
6	-3.755312000	2.240552000	2.553432000
6	-5.648312000	1.260000000	1.224300000
6	-4.137132000	-0.245918000	2.528590000
6	0.840372000	-0.135992000	-1.037295000
8	1.535330000	-0.966692000	-1.585116000
6	1.372128000	0.868443000	0.010911000

6	2.784667000	0.709816000	0.434769000
6	3.454084000	1.832081000	1.146480000
6	-1.120226000	-0.986135000	-2.215359000
6	-2.443508000	-1.458262000	-1.670813000
6	-3.646370000	-1.091227000	-2.261028000
6	-4.875742000	-1.434285000	-1.687397000
6	-4.887128000	-2.164604000	-0.499948000
6	-3.678690000	-2.570039000	0.085457000
6	-2.475047000	-2.212304000	-0.488609000
8	-6.010691000	-2.514069000	0.177357000
6	-7.255235000	-2.217910000	-0.419191000
1	0.868798000	0.551950000	0.956935000
1	2.309639000	3.944218000	-0.093131000
1	0.206914000	5.451628000	-0.834071000
1	-2.914661000	3.548987000	-0.789446000
1	-2.207641000	5.118098000	-1.221532000
1	-2.290335000	3.826334000	-2.438968000
1	-2.091530000	1.243434000	-1.647897000
1	-3.853743000	0.870984000	-0.391493000
1	-4.400457000	2.346136000	3.430145000
1	-2.727079000	2.094002000	2.889495000
1	-3.810170000	3.164326000	1.968458000
1	-6.328466000	1.314058000	2.077748000
1	-5.959412000	0.418161000	0.593976000
1	-5.738068000	2.189012000	0.651017000
1	-4.652052000	-0.098859000	3.483046000
1	-4.629363000	-1.066896000	2.002262000
1	-3.097272000	-0.509936000	2.727709000
1	3.999126000	2.392617000	0.370868000
1	2.733400000	2.496522000	1.629648000
1	4.196545000	1.466391000	1.855211000
1	-0.410358000	-1.805895000	-2.335665000
1	-1.258941000	-0.511835000	-3.196522000
1	-3.636247000	-0.518693000	-3.186036000
1	-5.797067000	-1.131801000	-2.170954000
1	-3.719664000	-3.149802000	1.001184000
1	-1.539953000	-2.494810000	-0.010277000
1	-8.015891000	-2.613102000	0.252757000
1	-7.400743000	-1.136258000	-0.532652000
1	-7.348783000	-2.696850000	-1.400847000
78	3.679240000	-0.846030000	0.285477000
17	2.297522000	-2.139275000	1.595145000
17	5.444343000	-0.157349000	-1.009621000
TSc6			
6	-0.132007000	2.742159000	-0.808815000
6	1.238715000	2.545841000	-0.650094000
6	1.812053000	3.824775000	-0.357894000
6	0.778106000	4.716993000	-0.352336000
7	-0.408475000	4.040484000	-0.595940000
6	-1.741045000	4.620728000	-0.563631000
6	-1.106550000	1.611009000	-0.869638000
7	-0.481742000	0.507044000	-1.586614000
6	-1.441135000	1.226515000	0.610446000
8	-0.553036000	1.300846000	1.447023000
7	-2.721542000	0.899636000	0.869701000
6	-3.188752000	0.507256000	2.222226000

6	-2.986499000	1.687799000	3.177602000
6	-4.681867000	0.199611000	2.102917000
6	-2.429301000	-0.728668000	2.712886000
6	0.868741000	0.285457000	-1.540090000
8	1.457401000	-0.478685000	-2.271378000
6	1.655098000	1.178440000	-0.580804000
6	2.568227000	0.608816000	0.342446000
6	3.452855000	1.515729000	1.174658000
6	-1.277548000	-0.208411000	-2.583770000
6	-2.507896000	-0.816281000	-1.967238000
6	-3.777020000	-0.328690000	-2.254016000
6	-4.916321000	-0.853170000	-1.633188000
6	-4.768466000	-1.899078000	-0.723282000
6	-3.491330000	-2.404416000	-0.435283000
6	-2.374253000	-1.863511000	-1.042680000
8	-5.790510000	-2.469689000	-0.038576000
6	-7.091489000	-1.974012000	-0.271732000
1	1.483168000	0.550704000	0.850879000
1	2.856602000	4.054308000	-0.215883000
1	0.770927000	5.787855000	-0.214720000
1	-2.394184000	4.008223000	0.063823000
1	-1.676842000	5.618516000	-0.131163000
1	-2.159779000	4.692171000	-1.570499000
1	-2.021137000	1.884424000	-1.408791000
1	-3.320193000	0.669890000	0.083292000
1	-3.361224000	1.419746000	4.169466000
1	-1.929412000	1.942336000	3.261203000
1	-3.542477000	2.562998000	2.825378000
1	-5.095409000	0.026605000	3.099594000
1	-4.859510000	-0.700050000	1.506760000
1	-5.220395000	1.041892000	1.653575000
1	-2.814458000	-1.029419000	3.691980000
1	-2.567082000	-1.558623000	2.015086000
1	-1.360837000	-0.524733000	2.796124000
1	4.318611000	1.810530000	0.575608000
1	2.910675000	2.403983000	1.513730000
1	3.822365000	0.968523000	2.040702000
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1	-1.555073000	0.483042000	-3.391332000
1	-3.893526000	0.475339000	-2.977674000
1	-5.892340000	-0.450240000	-1.874315000
1	-3.409289000	-3.215253000	0.280916000
1	-1.380629000	-2.226026000	-0.784134000
1	-7.756439000	-2.554517000	0.366220000
1	-7.164099000	-0.912095000	-0.004483000
1	-7.386226000	-2.104543000	-1.319615000
78	3.058450000	-1.259496000	0.249198000
17	0.872366000	-1.934302000	0.797150000
17	5.260312000	-0.891159000	-0.296922000
5c			
6	-0.194784000	-1.993151000	-0.496094000
6	-1.522364000	-1.945068000	-0.094609000
6	-2.215871000	-2.971801000	-0.807074000
6	-1.287650000	-3.584700000	-1.595984000
7	-0.059743000	-2.975698000	-1.416465000
6	1.171758000	-3.422713000	-2.043847000

6	0.899955000	-1.091750000	-0.029205000
7	0.478727000	-0.353370000	1.156735000
6	2.144220000	-1.950093000	0.334789000
8	2.013553000	-2.994832000	0.949370000
7	3.318963000	-1.458539000	-0.120689000
6	4.631789000	-2.080235000	0.143994000
6	4.665492000	-3.479417000	-0.477781000
6	5.673370000	-1.184455000	-0.525308000
6	4.888664000	-2.159444000	1.652481000
6	-0.766029000	-0.444173000	1.729525000
8	-0.985057000	-0.146403000	2.884828000
6	-1.909714000	-0.899647000	0.819597000
6	-3.231874000	-0.563631000	1.286265000
6	-4.474425000	-1.370535000	1.027633000
6	1.511279000	0.373651000	1.892289000
6	2.216622000	1.391074000	1.020225000
6	1.506777000	2.174157000	0.111904000
6	2.148143000	3.121759000	-0.684305000
6	3.528088000	3.301558000	-0.569808000
6	4.251612000	2.529015000	0.345849000
6	3.597761000	1.587560000	1.126388000
8	4.251332000	4.189542000	-1.296488000
6	3.548807000	5.022229000	-2.194349000
1	-3.214556000	-0.040176000	2.242173000
1	-3.262942000	-3.220351000	-0.759830000
1	-1.383343000	-4.411290000	-2.283842000
1	1.710643000	-4.108028000	-1.384380000
1	0.922883000	-3.920517000	-2.981284000
1	1.811801000	-2.564928000	-2.262362000
1	1.169640000	-0.376485000	-0.823440000
1	3.321043000	-0.506366000	-0.466250000
1	5.656695000	-3.920709000	-0.339024000
1	3.924189000	-4.127033000	-0.005732000
1	4.462850000	-3.421457000	-1.552097000
1	6.674622000	-1.587834000	-0.356055000
1	5.637188000	-0.169630000	-0.114568000
1	5.503269000	-1.128939000	-1.605243000
1	5.861604000	-2.623433000	1.839374000
1	4.900682000	-1.157535000	2.092803000
1	4.114386000	-2.753461000	2.141351000
1	-4.553813000	-1.710317000	-0.002703000
1	-4.466882000	-2.235598000	1.702284000
1	-5.356792000	-0.771120000	1.259248000
1	2.240337000	-0.327217000	2.321719000
1	0.998662000	0.860154000	2.724769000
1	0.428048000	2.054045000	0.038521000
1	1.561085000	3.714069000	-1.375499000
1	5.321325000	2.691150000	0.426226000
1	4.169714000	0.995777000	1.837899000
1	4.293283000	5.673978000	-2.650166000
1	3.050376000	4.437155000	-2.976578000
1	2.802717000	5.631899000	-1.671424000
78	-2.761656000	0.818913000	-0.154556000
17	-3.631027000	-0.159590000	-2.058543000
17	-2.015067000	2.401625000	1.327090000

Tsd1

6	0.683657000	0.814664000	1.892856000
6	0.134267000	1.448947000	3.010545000
6	0.541901000	0.746593000	4.150978000
6	1.353479000	-0.292801000	3.715023000
7	1.457191000	-0.240768000	2.365134000
6	2.322129000	-1.101152000	1.567500000
6	0.961454000	1.471915000	0.562498000
7	0.885542000	0.662176000	-0.647519000
6	0.202222000	2.818300000	0.458758000
8	0.637171000	3.762998000	1.103720000
7	-0.878710000	2.851336000	-0.339518000
6	-1.670998000	4.081459000	-0.565383000
6	-0.776046000	5.156666000	-1.190642000
6	-2.796723000	3.721152000	-1.532301000
6	-2.263358000	4.571063000	0.760120000
6	0.176073000	-0.479341000	-0.853396000
8	0.346358000	-1.212729000	-1.809554000
6	-0.896170000	-0.791497000	0.137428000
6	-1.198610000	-0.649844000	1.368541000
6	-1.778487000	-0.891753000	2.676925000
6	1.833163000	1.054118000	-1.707076000
6	3.217043000	0.522647000	-1.431321000
6	3.519719000	-0.814065000	-1.693858000
6	4.752166000	-1.356717000	-1.337471000
6	5.705581000	-0.551164000	-0.706897000
6	5.418669000	0.794117000	-0.451501000
6	4.188392000	1.320530000	-0.816378000
8	6.930091000	-0.978195000	-0.312254000
6	7.275865000	-2.319895000	-0.582429000
1	-0.465246000	2.347021000	2.971570000
1	0.274734000	0.951520000	5.176729000
1	1.848694000	-1.077636000	4.269483000
1	2.797716000	-1.815052000	2.239881000
1	1.747829000	-1.653027000	0.819461000
1	3.095016000	-0.509554000	1.068282000
1	2.010136000	1.793734000	0.628461000
1	-1.193378000	1.999391000	-0.794965000
1	-1.368207000	6.054626000	-1.389963000
1	0.044939000	5.417763000	-0.521805000
1	-0.366341000	4.798770000	-2.140230000
1	-3.369940000	4.620912000	-1.770458000
1	-3.472557000	2.981179000	-1.096717000
1	-2.398325000	3.310281000	-2.465507000
1	-2.896109000	5.444948000	0.578250000
1	-2.882434000	3.786556000	1.206539000
1	-1.471896000	4.848374000	1.457878000
1	-2.428396000	-0.071054000	2.986375000
1	-2.330691000	-1.834344000	2.618497000
1	-0.975062000	-1.012269000	3.413288000
1	1.831592000	2.148914000	-1.749030000
1	1.437432000	0.668635000	-2.646898000
1	2.768719000	-1.441296000	-2.166207000
1	4.957384000	-2.397316000	-1.557967000
1	6.179658000	1.402163000	0.025092000
1	3.979935000	2.370694000	-0.622766000
1	8.285571000	-2.456277000	-0.197202000

1	6.597465000	-3.017454000	-0.076522000
1	7.265447000	-2.525855000	-1.659139000
78	-2.540312000	-1.649189000	-0.470282000
17	-3.032502000	0.281420000	-1.646309000
17	-2.282134000	-3.671249000	0.586338000
1d			
6	0.349183000	0.841190000	1.756798000
6	0.179436000	1.682394000	2.987089000
6	1.203094000	1.484606000	3.841837000
6	2.056386000	0.490732000	3.250677000
7	1.616922000	0.104457000	2.093198000
6	2.169097000	-1.007450000	1.317198000
6	0.561496000	1.747248000	0.510893000
7	0.723268000	0.961226000	-0.679115000
6	-0.587304000	2.795997000	0.432766000
8	-0.647205000	3.648001000	1.314287000
7	-1.400162000	2.697075000	-0.624906000
6	-2.620943000	3.515569000	-0.815774000
6	-2.270277000	5.004599000	-0.767517000
6	-3.162942000	3.158202000	-2.199305000
6	-3.635853000	3.143645000	0.268702000
6	0.117116000	-0.269477000	-0.841934000
8	0.372148000	-0.964655000	-1.806899000
6	-0.847698000	-0.671172000	0.244367000
6	-0.764068000	-0.162021000	1.487279000
6	-1.592763000	-0.586126000	2.665738000
6	1.636391000	1.449407000	-1.719762000
6	3.053844000	1.003084000	-1.461827000
6	3.495091000	-0.238706000	-1.920534000
6	4.756698000	-0.726089000	-1.582132000
6	5.596283000	0.037362000	-0.766509000
6	5.170328000	1.291042000	-0.311984000
6	3.916134000	1.764847000	-0.663722000
8	6.833611000	-0.344976000	-0.365713000
6	7.324508000	-1.580017000	-0.844565000
1	-0.651500000	2.361155000	3.104651000
1	1.370275000	1.949616000	4.801784000
1	2.955010000	0.053100000	3.674030000
1	3.008159000	-1.421730000	1.876063000
1	1.392888000	-1.768955000	1.183857000
1	2.514771000	-0.648097000	0.347713000
1	1.473523000	2.332586000	0.680073000
1	-1.342535000	1.850280000	-1.180428000
1	-3.164296000	5.585819000	-1.010701000
1	-1.911679000	5.298867000	0.218437000
1	-1.499972000	5.236071000	-1.509589000
1	-4.077283000	3.725489000	-2.390682000
1	-3.399193000	2.092009000	-2.263343000
1	-2.433852000	3.411342000	-2.975811000
1	-4.557220000	3.717290000	0.130993000
1	-3.873133000	2.076915000	0.206301000
1	-3.230998000	3.371828000	1.258415000
1	-2.225736000	0.237865000	3.016184000
1	-2.227366000	-1.428758000	2.394900000
1	-0.950260000	-0.891570000	3.501001000
1	1.558950000	2.541887000	-1.738595000

1	1.271394000	1.058682000	-2.670715000
1	2.825860000	-0.845116000	-2.524139000
1	5.067973000	-1.693982000	-1.955589000
1	5.850174000	1.875553000	0.298365000
1	3.606915000	2.751638000	-0.325470000
1	8.324047000	-1.691774000	-0.426499000
1	6.696946000	-2.415864000	-0.513263000
1	7.384172000	-1.587159000	-1.939017000
78	-2.084344000	-2.014629000	-0.275590000
17	-3.372441000	-0.477620000	-1.462126000
17	-0.912576000	-3.643169000	0.895230000

Tsd2

6	-0.989446000	-1.406007000	0.935481000
6	-0.784182000	-2.657944000	0.199827000
6	-1.156261000	-3.726026000	1.063863000
6	-1.598011000	-3.152739000	2.231942000
7	-1.552877000	-1.802128000	2.177629000
6	-1.763393000	-0.881132000	3.285450000
6	-1.520522000	-0.132066000	0.308527000
7	-0.953398000	0.031663000	-1.018504000
6	-3.055744000	-0.288571000	0.253351000
8	-3.754417000	0.230219000	1.112591000
7	-3.501112000	-1.090583000	-0.734455000
6	-4.916754000	-1.441493000	-0.955426000
6	-5.734488000	-0.171110000	-1.207522000
6	-4.948588000	-2.344468000	-2.187453000
6	-5.444489000	-2.197195000	0.267260000
6	0.368193000	-0.309538000	-1.296716000
8	0.870019000	-0.079986000	-2.376059000
6	1.169932000	-0.941294000	-0.175899000
6	0.569783000	-1.614825000	0.864583000
6	1.349733000	-2.144731000	2.033291000
6	-1.500424000	1.168827000	-1.796776000
6	-1.263641000	2.480087000	-1.090746000
6	0.021348000	3.018188000	-1.042701000
6	0.284863000	4.188847000	-0.338447000
6	-0.757124000	4.838907000	0.328094000
6	-2.050126000	4.305936000	0.289740000
6	-2.294992000	3.133531000	-0.408445000
8	-0.611580000	5.983045000	1.042783000
6	0.681020000	6.547403000	1.107429000
1	-0.640461000	-2.726735000	-0.868651000
1	-1.088257000	-4.780245000	0.849295000
1	-1.929246000	-3.638592000	3.142117000
1	-0.815575000	-0.407013000	3.561075000
1	-2.495538000	-0.123082000	3.000679000
1	-2.139752000	-1.448744000	4.136956000
1	-1.316153000	0.733768000	0.953828000
1	-2.821175000	-1.370038000	-1.430549000
1	-6.778772000	-0.433829000	-1.399807000
1	-5.691839000	0.489501000	-0.339714000
1	-5.348937000	0.362788000	-2.082033000
1	-5.976988000	-2.643652000	-2.402558000
1	-4.356460000	-3.250564000	-2.022217000
1	-4.557353000	-1.821467000	-3.066583000

1	-6.482123000	-2.498800000	0.097699000
1	-4.844845000	-3.095899000	0.442400000
1	-5.402153000	-1.562560000	1.154052000
1	2.220261000	-2.690894000	1.664011000
1	1.704611000	-1.304696000	2.637788000
1	0.758925000	-2.810901000	2.663085000
1	-2.570767000	0.999206000	-1.947509000
1	-1.003942000	1.133298000	-2.766146000
1	0.840343000	2.512463000	-1.547639000
1	1.299629000	4.565847000	-0.309645000
1	-2.838599000	4.826131000	0.822194000
1	-3.298234000	2.712183000	-0.414672000
1	0.590587000	7.445105000	1.718429000
1	1.394960000	5.858657000	1.573822000
1	1.046334000	6.821715000	0.110677000
78	3.000804000	-0.621054000	-0.239563000
17	3.599945000	-2.755093000	-0.866388000
17	2.899951000	1.573615000	0.486158000

TSd3

6	0.806206000	0.632221000	2.074764000
6	-0.127097000	0.823026000	3.091524000
6	0.119074000	-0.165641000	4.084520000
6	1.169431000	-0.919356000	3.637294000
7	1.589463000	-0.432651000	2.421890000
6	2.719853000	-0.979987000	1.681947000
6	0.988407000	1.388844000	0.787495000
7	0.962594000	0.511246000	-0.374872000
6	0.021660000	2.596015000	0.734558000
8	0.053589000	3.389475000	1.665834000
7	-0.751359000	2.703793000	-0.361462000
6	-1.746766000	3.785301000	-0.536971000
6	-1.064937000	5.153222000	-0.433581000
6	-2.345758000	3.624993000	-1.933779000
6	-2.842611000	3.634337000	0.523730000
6	0.302184000	-0.686048000	-0.397912000
8	0.640066000	-1.620719000	-1.094829000
6	-0.999892000	-0.731035000	0.359149000
6	-1.597511000	-0.318634000	1.413454000
6	-2.707071000	-0.118092000	2.356050000
6	1.858548000	0.825967000	-1.500703000
6	3.298814000	0.450502000	-1.264583000
6	3.726778000	-0.860032000	-1.470862000
6	5.028619000	-1.250536000	-1.166478000
6	5.927643000	-0.312119000	-0.649782000
6	5.516305000	1.011043000	-0.457092000
6	4.216862000	1.383502000	-0.769198000
8	7.212661000	-0.584398000	-0.315712000
6	7.679950000	-1.899519000	-0.527850000
1	-0.780662000	1.679572000	3.155259000
1	-0.404440000	-0.292961000	5.019992000
1	1.666710000	-1.770555000	4.078512000
1	3.286473000	-1.615241000	2.362792000
1	2.390344000	-1.572784000	0.825681000
1	3.369909000	-0.175531000	1.331050000
1	1.992128000	1.839811000	0.806449000
1	-0.819568000	1.907728000	-0.991177000

1	-1.801520000	5.935377000	-0.639435000
1	-0.642464000	5.314365000	0.557450000
1	-0.267145000	5.231080000	-1.178486000
1	-3.057710000	4.434120000	-2.116674000
1	-2.866398000	2.670334000	-2.037461000
1	-1.563769000	3.676663000	-2.698225000
1	-3.601791000	4.411619000	0.396242000
1	-3.328894000	2.658312000	0.416769000
1	-2.415551000	3.724507000	1.525558000
1	-2.919524000	0.946115000	2.479848000
1	-3.583207000	-0.618875000	1.935732000
1	-2.476521000	-0.573958000	3.319043000
1	1.763526000	1.904299000	-1.673085000
1	1.450854000	0.304607000	-2.369645000
1	3.017397000	-1.590236000	-1.849875000
1	5.329093000	-2.276848000	-1.339033000
1	6.237303000	1.724081000	-0.072907000
1	3.912752000	2.419065000	-0.631435000
1	8.722115000	-1.905901000	-0.210880000
1	7.114731000	-2.625709000	0.068585000
1	7.619961000	-2.178509000	-1.586303000
78	-2.493686000	-1.457893000	-0.683316000
17	-3.128004000	-3.137682000	0.735366000
17	-2.071067000	0.124253000	-2.337784000

2d

6	1.174841000	0.797686000	1.724589000
6	0.064510000	0.248130000	2.535200000
6	0.779126000	-0.591919000	3.548228000
6	2.091286000	-0.421017000	3.375354000
7	2.311696000	0.446117000	2.256872000
6	3.661895000	0.819276000	1.841393000
6	0.940056000	1.468623000	0.400944000
7	0.850304000	0.409567000	-0.579620000
6	-0.254360000	2.435492000	0.569475000
8	-0.296514000	3.048352000	1.634541000
7	-1.065858000	2.564487000	-0.480267000
6	-2.291448000	3.399453000	-0.451734000
6	-2.894711000	3.357912000	-1.855218000
6	-3.269560000	2.801841000	0.564389000
6	-1.933403000	4.844651000	-0.094046000
6	0.208944000	-0.802561000	-0.291016000
8	0.593966000	-1.833661000	-0.801233000
6	-1.060560000	-0.725263000	0.524713000
6	-1.152945000	-0.274283000	1.787738000
6	-2.411732000	-0.186375000	2.606274000
6	1.744926000	0.452427000	-1.740466000
6	3.200706000	0.197845000	-1.427841000
6	3.644595000	-1.083236000	-1.092355000
6	4.986029000	-1.328050000	-0.799775000
6	5.907318000	-0.275157000	-0.836740000
6	5.474018000	1.012896000	-1.170828000
6	4.137457000	1.236043000	-1.471468000
8	7.230159000	-0.402986000	-0.571064000
6	7.721653000	-1.697026000	-0.290464000
1	-0.278852000	1.162008000	3.065094000
1	0.295852000	-1.185212000	4.310900000

1	2.950323000	-0.803022000	3.907847000
1	4.118188000	-0.010766000	1.296576000
1	3.623923000	1.691115000	1.193441000
1	4.238101000	1.052784000	2.737245000
1	1.799161000	2.095295000	0.136047000
1	-1.048189000	1.816491000	-1.177513000
1	-3.783793000	3.993430000	-1.882310000
1	-2.179775000	3.734772000	-2.593452000
1	-3.179408000	2.340685000	-2.133414000
1	-4.211478000	3.358399000	0.551128000
1	-2.847941000	2.856972000	1.571388000
1	-3.475516000	1.754427000	0.315750000
1	-2.838722000	5.456637000	-0.143218000
1	-1.512184000	4.916843000	0.908600000
1	-1.212137000	5.243957000	-0.813594000
1	-2.558912000	0.845481000	2.949360000
1	-3.281412000	-0.504827000	2.035924000
1	-2.344760000	-0.826523000	3.494250000
1	1.626380000	1.441189000	-2.198387000
1	1.354298000	-0.289683000	-2.439260000
1	2.922566000	-1.894592000	-1.066498000
1	5.300377000	-2.336744000	-0.559607000
1	6.208910000	1.809681000	-1.210824000
1	3.817229000	2.236104000	-1.757687000
1	8.795031000	-1.587563000	-0.140862000
1	7.268982000	-2.108497000	0.619956000
1	7.538035000	-2.383079000	-1.125122000
78	-2.510676000	-1.384336000	-0.553598000
17	-3.291472000	-2.952804000	0.928230000
17	-1.942484000	-0.015240000	-2.392116000

TSd4

6	1.480120000	0.514122000	1.408114000
6	0.482153000	-0.105475000	2.227053000
6	1.213875000	-0.627938000	3.376802000
6	2.507075000	-0.260098000	3.225291000
7	2.654156000	0.452897000	2.029988000
6	3.884505000	1.145362000	1.661412000
6	1.054953000	1.264066000	0.186655000
7	0.771285000	0.346303000	-0.896257000
6	-0.149200000	2.162684000	0.623686000
8	-0.236838000	2.470113000	1.828353000
7	-0.936517000	2.590255000	-0.346165000
6	-2.131367000	3.449201000	-0.120029000
6	-1.717987000	4.726949000	0.614094000
6	-2.673629000	3.809455000	-1.503009000
6	-3.169255000	2.655477000	0.678305000
6	0.099737000	-0.854553000	-0.617271000
8	0.349947000	-1.860702000	-1.246017000
6	-1.023426000	-0.791239000	0.392717000
6	-0.860702000	-0.509694000	1.701914000
6	-1.950654000	-0.463717000	2.737962000
6	1.684788000	0.363864000	-2.041021000
6	3.125174000	0.097709000	-1.664582000
6	3.474204000	-1.065327000	-0.974785000
6	4.791823000	-1.310358000	-0.593769000

6	5.789182000	-0.382667000	-0.911623000
6	5.453760000	0.783327000	-1.607080000
6	4.134876000	1.014494000	-1.975545000
8	7.098083000	-0.520136000	-0.582397000
6	7.492907000	-1.721451000	0.045482000
1	0.276067000	1.108898000	2.442996000
1	0.792359000	-1.203907000	4.187010000
1	3.369194000	-0.412414000	3.858458000
1	4.729644000	0.498665000	1.899197000
1	3.891388000	1.334533000	0.588441000
1	3.965009000	2.082761000	2.215963000
1	1.842059000	1.948269000	-0.148781000
1	-0.939437000	2.031601000	-1.202444000
1	-2.585865000	5.389035000	0.678164000
1	-1.363370000	4.515563000	1.622824000
1	-0.931928000	5.248836000	0.059606000
1	-3.549104000	4.453318000	-1.386909000
1	-2.970796000	2.913009000	-2.052455000
1	-1.921699000	4.355056000	-2.082226000
1	-4.063946000	3.267564000	0.827469000
1	-3.447856000	1.745945000	0.137285000
1	-2.769857000	2.381107000	1.658247000
1	-1.903239000	0.487624000	3.283069000
1	-2.932543000	-0.570978000	2.281394000
1	-1.834142000	-1.276162000	3.463832000
1	1.600185000	1.344218000	-2.524012000
1	1.308045000	-0.389741000	-2.734851000
1	2.702716000	-1.797836000	-0.751493000
1	5.028791000	-2.227859000	-0.068352000
1	6.244565000	1.485194000	-1.848497000
1	3.885666000	1.921990000	-2.520611000
1	8.571718000	-1.653539000	0.179935000
1	7.013378000	-1.838690000	1.025429000
1	7.256280000	-2.593097000	-0.575164000
78	-2.670951000	-1.251494000	-0.479529000
17	-2.361341000	0.310682000	-2.225800000
17	-3.285635000	-2.942325000	0.940663000

3d

6	1.321116000	0.111321000	1.416786000
6	0.497654000	-0.813472000	2.034332000
6	1.241641000	-1.368732000	3.108730000
6	2.486620000	-0.784512000	3.082046000
7	2.536473000	0.117469000	2.054741000
6	3.690320000	0.922541000	1.703976000
6	1.013378000	0.908326000	0.183608000
7	0.637382000	0.083245000	-0.951874000
6	-0.011623000	2.016758000	0.452135000
8	-1.113736000	1.817461000	1.084213000
7	0.278379000	3.237461000	0.087125000
6	-0.566396000	4.465118000	0.238174000
6	-0.810221000	4.730376000	1.725088000
6	0.262495000	5.595345000	-0.372008000
6	-1.876546000	4.287360000	-0.528478000
6	-0.173409000	-1.040885000	-0.784660000
8	-0.090400000	-1.979957000	-1.547527000

6	-1.223539000	-1.013828000	0.306725000
6	-0.902779000	-1.046397000	1.625701000
6	-1.889327000	-1.247466000	2.748521000
6	1.545196000	0.111234000	-2.097608000
6	2.964184000	-0.251347000	-1.715150000
6	3.215677000	-1.399807000	-0.962567000
6	4.507786000	-1.734593000	-0.565995000
6	5.579301000	-0.913429000	-0.934195000
6	5.341408000	0.237505000	-1.691617000
6	4.045050000	0.560874000	-2.070534000
8	6.873188000	-1.144715000	-0.598169000
6	7.156227000	-2.314812000	0.139549000
1	-1.312103000	0.834960000	1.130128000
1	0.903784000	-2.121070000	3.805636000
1	3.348137000	-0.933038000	3.716583000
1	4.512182000	0.652237000	2.367146000
1	4.001492000	0.730692000	0.672727000
1	3.477834000	1.988524000	1.836882000
1	1.932826000	1.425024000	-0.113983000
1	1.162336000	3.357984000	-0.390872000
1	-1.350775000	5.674845000	1.826861000
1	-1.411823000	3.941010000	2.176863000
1	0.136382000	4.816171000	2.266545000
1	-0.296251000	6.530512000	-0.302889000
1	0.465569000	5.405576000	-1.430921000
1	1.210667000	5.728313000	0.159927000
1	-2.450576000	5.214915000	-0.450899000
1	-1.684644000	4.079882000	-1.584041000
1	-2.472885000	3.464338000	-0.133352000
1	-1.742961000	-0.490450000	3.526852000
1	-2.916835000	-1.226488000	2.388597000
1	-1.721576000	-2.228227000	3.206582000
1	1.516284000	1.112550000	-2.545813000
1	1.135932000	-0.593468000	-2.823185000
1	2.385519000	-2.044013000	-0.683352000
1	4.665560000	-2.633501000	0.017735000
1	6.187909000	0.856857000	-1.967303000
1	3.870587000	1.458338000	-2.660251000
1	8.234764000	-2.324535000	0.292081000
1	6.651612000	-2.304619000	1.113547000
1	6.857698000	-3.215104000	-0.409608000
78	-2.976016000	-0.999408000	-0.473544000
17	-3.736123000	-2.965006000	0.422746000
17	-2.568036000	1.028607000	-1.608935000

Tsd5

6	1.401404000	0.177687000	1.329707000
6	0.587546000	-0.769844000	1.945504000
6	1.333345000	-1.323728000	3.026801000
6	2.564281000	-0.726195000	3.004870000
7	2.590972000	0.197785000	1.985733000
6	3.738230000	1.026562000	1.652211000
6	1.079168000	1.065482000	0.156871000
7	0.665219000	0.281237000	-1.003727000
6	0.029062000	2.140267000	0.498305000
8	-1.018035000	1.842598000	1.088163000

7	0.326315000	3.384780000	0.117189000
6	-0.576913000	4.556982000	0.244848000
6	-0.882317000	4.806010000	1.723973000
6	0.193832000	5.740782000	-0.338807000
6	-1.860089000	4.309966000	-0.550237000
6	-0.206404000	-0.789247000	-0.876248000
8	-0.206305000	-1.702627000	-1.672222000
6	-1.224672000	-0.785007000	0.265468000
6	-0.785989000	-1.049914000	1.572538000
6	-1.723719000	-1.445232000	2.663287000
6	1.593897000	0.272977000	-2.135082000
6	2.983825000	-0.178600000	-1.739721000
6	3.161136000	-1.344480000	-0.994362000
6	4.427407000	-1.757492000	-0.586700000
6	5.548902000	-1.000094000	-0.942172000
6	5.386083000	0.165763000	-1.697264000
6	4.114640000	0.569020000	-2.082977000
8	6.823512000	-1.308548000	-0.596500000
6	7.029781000	-2.489413000	0.149172000
1	-1.281214000	0.365155000	0.778154000
1	1.005860000	-2.097259000	3.705258000
1	3.431992000	-0.870971000	3.630608000
1	4.537064000	0.803740000	2.358997000
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1	3.484218000	2.086564000	1.738961000
1	2.002965000	1.570855000	-0.140131000
1	1.191046000	3.526933000	-0.384679000
1	-1.497834000	5.705093000	1.816986000
1	-1.426909000	3.963961000	2.152782000
1	0.042578000	4.960897000	2.288018000
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1	0.432563000	5.570467000	-1.394061000
1	1.122126000	5.922185000	0.213789000
1	-2.503256000	5.191977000	-0.477988000
1	-1.631502000	4.131496000	-1.604675000
1	-2.402021000	3.440847000	-0.173623000
1	-1.391797000	-1.061572000	3.628684000
1	-2.738279000	-1.118903000	2.427512000
1	-1.764807000	-2.540280000	2.684239000
1	1.633533000	1.284052000	-2.558010000
1	1.157444000	-0.391361000	-2.882774000
1	2.292347000	-1.941654000	-0.727687000
1	4.525788000	-2.668745000	-0.009221000
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1	3.999331000	1.479823000	-2.666364000
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1	6.686809000	-3.373756000	-0.400085000
78	-3.018364000	-1.079899000	-0.410364000
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17	-2.981625000	0.992766000	-1.472703000

4d

6	0.713224000	0.844510000	0.902327000
6	-0.390971000	0.212394000	1.442655000
6	-0.082080000	-0.104752000	2.793276000

6	1.203366000	0.322973000	3.010265000
7	1.680194000	0.909613000	1.862322000
6	2.989399000	1.524068000	1.714345000
6	0.814420000	1.420930000	-0.472038000
7	0.695801000	0.399767000	-1.495328000
6	-0.182820000	2.575375000	-0.776454000
8	-0.478143000	2.818166000	-1.934032000
7	-0.614736000	3.276912000	0.295351000
6	-1.489338000	4.463457000	0.209442000
6	-2.816190000	4.094404000	-0.462123000
6	-1.736289000	4.919183000	1.646866000
6	-0.779058000	5.567301000	-0.579643000
6	-0.472701000	-0.258485000	-1.728794000
8	-0.658308000	-0.984160000	-2.687426000
6	-1.638429000	-0.087807000	-0.749431000
6	-1.642142000	0.057654000	0.694919000
6	-2.852726000	0.639025000	1.394222000
6	1.806003000	0.253044000	-2.431976000
6	3.086487000	-0.046959000	-1.685512000
6	3.116814000	-1.084661000	-0.753792000
6	4.273685000	-1.376187000	-0.034956000
6	5.427075000	-0.613760000	-0.245300000
6	5.405185000	0.436229000	-1.168550000
6	4.243217000	0.712773000	-1.877506000
8	6.603703000	-0.806330000	0.404862000
6	6.670178000	-1.871557000	1.327833000
1	-2.523618000	0.268908000	-1.278118000
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1	1.830687000	0.254315000	3.886415000
1	3.589608000	1.265751000	2.586732000
1	3.491196000	1.142539000	0.821578000
1	2.904762000	2.613399000	1.654146000
1	1.806247000	1.869142000	-0.598354000
1	-0.369588000	2.930218000	1.212896000
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1	-2.643265000	3.742659000	-1.480160000
1	-3.329250000	3.309555000	0.102108000
1	-2.372071000	5.807525000	1.652587000
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1	-2.242578000	4.138309000	2.225267000
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1	0.166596000	5.831449000	-0.096976000
1	-0.578222000	5.235227000	-1.599765000
1	-2.612606000	1.676886000	1.651729000
1	-3.748501000	0.604603000	0.775928000
1	-3.046605000	0.102446000	2.326700000
1	1.904210000	1.171768000	-3.023905000
1	1.533161000	-0.558891000	-3.108873000
1	2.215093000	-1.665655000	-0.572811000
1	4.260258000	-2.192275000	0.677427000
1	6.310724000	1.015983000	-1.311039000
1	4.235671000	1.532198000	-2.592318000
1	7.683094000	-1.863615000	1.729132000
1	5.953596000	-1.736318000	2.147296000
1	6.478774000	-2.835124000	0.841417000
78	-2.071291000	-1.915144000	0.031179000

17	0.013630000	-2.800723000	0.435065000
17	-4.309116000	-1.679593000	-0.406334000
1-Au (PPh₃)			
6	-3.946699000	-1.170978000	1.484249000
6	-4.029405000	-2.319812000	2.248785000
6	-3.937531000	-1.931601000	3.608042000
6	-3.814063000	-0.561694000	3.626987000
7	-3.839978000	-0.100223000	2.341529000
6	-3.767814000	1.302418000	1.971123000
6	-4.018587000	-0.978000000	0.003392000
7	-2.902549000	-0.209035000	-0.615742000
6	-4.150201000	-2.276082000	-0.825452000
8	-4.983616000	-2.334343000	-1.714847000
7	-3.220083000	-3.217111000	-0.559130000
6	-3.082855000	-4.495633000	-1.285645000
6	-2.764315000	-4.216863000	-2.756920000
6	-1.919464000	-5.232108000	-0.622140000
6	-4.371361000	-5.312343000	-1.155437000
6	-1.631334000	-0.211951000	-0.235820000
8	-0.771993000	0.474371000	-0.869020000
6	-1.203825000	-0.979832000	0.909975000
6	-0.733446000	-1.557431000	1.863014000
6	-0.245909000	-2.275015000	3.033954000
6	-3.294987000	0.539962000	-1.836791000
6	-3.978592000	1.827951000	-1.462509000
6	-3.229718000	2.909331000	-1.002962000
6	-3.845694000	4.072840000	-0.549230000
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6	-6.003449000	3.083379000	-1.031960000
6	-5.374060000	1.933012000	-1.480159000
8	-5.944680000	5.235445000	-0.143221000
6	-5.225585000	6.360639000	0.320123000
1	-4.166946000	-3.322251000	1.871031000
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1	-3.982790000	1.901647000	2.856029000
1	-2.775793000	1.570932000	1.593042000
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1	-2.621316000	-3.062935000	0.241682000
1	-2.622079000	-5.160915000	-3.290151000
1	-3.582815000	-3.669359000	-3.227068000
1	-1.844718000	-3.629366000	-2.842500000
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1	-0.996423000	-4.645463000	-0.690207000
1	-4.254812000	-6.271543000	-1.667801000
1	-4.594557000	-5.510116000	-0.102543000
1	-5.210416000	-4.775614000	-1.600820000
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1	0.394147000	-1.624470000	3.636210000

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1	-5.972429000	7.105167000	0.591444000
1	-4.623180000	6.112077000	1.201778000
1	-4.574689000	6.766226000	-0.462789000
79	1.313994000	0.364922000	-0.472636000
15	3.506174000	0.308139000	-0.085294000
6	4.371360000	-0.992662000	-1.011904000
6	5.494222000	-1.620812000	-0.463405000
6	3.946726000	-1.316937000	-2.304378000
6	6.189125000	-2.566872000	-1.210534000
1	5.821662000	-1.374160000	0.542572000
6	4.647063000	-2.263444000	-3.045494000
1	3.072465000	-0.830629000	-2.730276000
6	5.766277000	-2.887368000	-2.498517000
1	7.058863000	-3.055383000	-0.784508000
1	4.317378000	-2.516184000	-4.047416000
1	6.308660000	-3.628218000	-3.076494000
6	3.852592000	-0.028133000	1.669860000
6	4.817334000	0.693610000	2.375232000
6	3.168398000	-1.078938000	2.292773000
6	5.094625000	0.363302000	3.700624000
1	5.350017000	1.508944000	1.894870000
6	3.456942000	-1.408895000	3.611654000
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6	4.418878000	-0.685273000	4.316742000
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1	4.641255000	-0.941286000	5.347300000
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6	5.584155000	1.899146000	-1.100344000
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6	6.211634000	3.119157000	-1.340939000
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6	4.351634000	4.286862000	-0.335611000
1	2.741650000	3.054679000	0.385138000
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1	7.179589000	3.138079000	-1.830186000
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TSa1-Ph

6	-3.342478000	-0.923898000	1.712652000
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7	-3.307110000	0.240823000	2.474354000
6	-3.350415000	1.598702000	1.954686000

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6	-4.286201000	-2.327180000	-0.127333000
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6	-1.602836000	-0.142289000	-0.248993000
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6	-0.274162000	-1.275958000	1.730881000
6	0.041085000	-2.098794000	2.925507000
6	-3.403875000	0.381224000	-1.810065000
6	-4.008639000	1.721168000	-1.480430000
6	-3.181378000	2.820473000	-1.256376000
6	-3.702160000	4.041475000	-0.834725000
6	-5.081324000	4.169910000	-0.634286000
6	-5.922382000	3.074273000	-0.867415000
6	-5.387377000	1.867154000	-1.288905000
8	-5.692442000	5.301899000	-0.225245000
6	-4.896252000	6.454677000	-0.035055000
1	-3.395448000	-3.038835000	2.327027000
1	-3.036041000	-2.024233000	4.820991000
1	-3.028944000	0.675394000	4.525661000
1	-2.426064000	1.848013000	1.423824000
1	-4.194366000	1.724046000	1.270773000
1	-3.474265000	2.282554000	2.794124000
1	-4.781232000	-0.305916000	0.269957000
1	-2.709202000	-2.403316000	-1.401255000
1	-5.234897000	-5.357605000	-2.680701000
1	-5.887316000	-4.152655000	-1.550383000
1	-5.141069000	-3.632797000	-3.080541000
1	-2.715063000	-5.534196000	-3.019435000
1	-1.621476000	-4.479516000	-2.111048000
1	-2.647905000	-3.808915000	-3.404925000
1	-3.756475000	-6.310933000	-0.822570000
1	-2.658002000	-5.234369000	0.061018000
1	-4.418896000	-5.112737000	0.306752000
1	-0.823921000	-2.711261000	3.189380000
1	0.905444000	-2.738670000	2.741110000
1	0.280664000	-1.445780000	3.769419000
1	-4.142547000	-0.292310000	-2.257208000
1	-2.558684000	0.478190000	-2.493752000
1	-2.108728000	2.713657000	-1.400896000
1	-3.035444000	4.880091000	-0.674900000
1	-6.988795000	3.204104000	-0.720234000
1	-6.052537000	1.027729000	-1.479668000
1	-5.579366000	7.246661000	0.267596000
1	-4.150261000	6.297917000	0.752832000
1	-4.389989000	6.744293000	-0.962901000

79	1.466216000	-0.437479000	0.683266000
15	3.464755000	0.234001000	-0.169313000
6	4.745223000	0.455775000	1.104219000
6	4.408480000	1.153245000	2.270003000
6	6.049499000	-0.008742000	0.919105000
6	5.374458000	1.389414000	3.240803000
1	3.392061000	1.513540000	2.413015000
6	7.011106000	0.225637000	1.899834000
1	6.314417000	-0.553407000	0.017780000
6	6.675568000	0.922992000	3.056513000
1	5.112712000	1.932677000	4.142456000
1	8.022529000	-0.139878000	1.758080000
1	7.427360000	1.101014000	3.818166000
6	3.344129000	1.824055000	-1.040538000
6	4.435160000	2.698231000	-1.079761000
6	2.158114000	2.142602000	-1.711270000
6	4.340478000	3.886817000	-1.796937000
1	5.350949000	2.452168000	-0.549424000
6	2.075357000	3.332651000	-2.428787000
1	1.302832000	1.471661000	-1.665318000
6	3.162743000	4.202273000	-2.471271000
1	5.185106000	4.566821000	-1.826376000
1	1.158141000	3.582413000	-2.951725000
1	3.092100000	5.131001000	-3.027987000
6	4.137755000	-0.967849000	-1.357315000
6	4.078127000	-2.328503000	-1.034551000
6	4.747095000	-0.557247000	-2.545488000
6	4.631959000	-3.270934000	-1.893062000
1	3.602355000	-2.647266000	-0.109617000
6	5.293884000	-1.507806000	-3.404508000
1	4.791556000	0.496888000	-2.802349000
6	5.237709000	-2.860094000	-3.079598000
1	4.587266000	-4.324846000	-1.640040000
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6	-2.956066000	-0.817243000	1.591780000
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6	-3.986492000	-0.004995000	3.466849000
7	-3.459292000	0.366998000	2.338276000
6	-3.376311000	1.728956000	1.821480000
6	-3.764929000	-0.935895000	0.245713000
7	-2.909660000	-0.329708000	-0.735918000
6	-4.143094000	-2.407991000	-0.045203000
8	-4.972596000	-2.942720000	0.677364000
7	-3.501117000	-2.976208000	-1.075599000
6	-3.700384000	-4.372948000	-1.523593000
6	-5.154431000	-4.566478000	-1.960425000
6	-2.757601000	-4.579926000	-2.707574000
6	-3.340855000	-5.331116000	-0.384457000

6	-1.617460000	-0.123899000	-0.308979000
8	-0.756039000	0.386350000	-1.003463000
6	-1.512792000	-0.593904000	1.106043000
6	-0.347510000	-0.676448000	1.777624000
6	-0.277329000	-1.072611000	3.224955000
6	-3.441524000	0.309063000	-1.941439000
6	-4.010834000	1.666244000	-1.615498000
6	-3.153054000	2.753745000	-1.451955000
6	-3.628557000	3.989565000	-1.018248000
6	-4.992123000	4.146233000	-0.743190000
6	-5.863522000	3.062429000	-0.912991000
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6	-4.733621000	6.435149000	-0.185831000
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1	-3.586572000	2.424187000	2.633837000
1	-4.718586000	-0.401641000	0.344017000
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1	-5.834445000	-4.385213000	-1.126523000
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1	-1.713548000	-4.437436000	-2.409555000
1	-2.992314000	-3.885871000	-3.521208000
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1	-1.240830000	-1.278978000	3.698363000
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1	-2.604009000	0.386743000	-2.638893000
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1	-2.939103000	4.818049000	-0.910934000
1	-6.918201000	3.215273000	-0.712136000
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79	1.445063000	-0.251956000	0.848147000
15	3.498379000	0.177758000	-0.137862000
6	4.743342000	0.857667000	1.009640000
6	4.332122000	1.834628000	1.922649000
6	6.082278000	0.459835000	0.973410000
6	5.255232000	2.416339000	2.784286000
1	3.287863000	2.137164000	1.955332000
6	7.001769000	1.041289000	1.843675000
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6	6.590359000	2.018094000	2.745902000
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6	3.402396000	1.378650000	-1.504127000
6	4.495875000	2.181625000	-1.846398000
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6	2.129320000	2.341582000	-3.313787000
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6	4.831646000	-3.653419000	-0.535244000
1	3.688242000	-2.500001000	0.877115000
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6	5.497987000	-3.647181000	-1.759248000
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1	6.064423000	-2.478109000	-3.474738000
1	5.975209000	-4.552115000	-2.120872000

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6	2.321423000	-2.532772000	-0.052084000
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6	2.303728000	-4.556557000	0.899181000
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6	2.351993000	-4.476156000	-1.632585000
6	2.862172000	-1.503780000	-1.013639000
7	2.317560000	-0.238283000	-0.575620000
6	4.400212000	-1.657795000	-0.950521000
8	4.896639000	-2.565836000	-1.602898000
7	5.032592000	-0.844310000	-0.094999000
6	6.487275000	-0.883274000	0.179487000
6	7.262012000	-0.555467000	-1.099322000
6	6.738642000	0.184111000	1.243084000
6	6.868404000	-2.266579000	0.711496000
6	1.191722000	-0.314851000	0.208565000
8	0.512463000	0.651557000	0.498191000
6	0.909167000	-1.737531000	0.636077000
6	-0.376590000	-2.217880000	0.656150000
6	-0.679203000	-3.653523000	0.928324000
6	2.572319000	0.985876000	-1.350961000
6	3.580703000	1.920995000	-0.726289000
6	4.705897000	2.332475000	-1.432196000
6	5.631289000	3.216865000	-0.875955000
6	5.429860000	3.691102000	0.422363000

6	4.302612000	3.274410000	1.146862000
6	3.388124000	2.406176000	0.575964000
8	6.258860000	4.539137000	1.066640000
6	7.416923000	4.978790000	0.383625000
1	2.736051000	-1.512287000	1.892663000
1	2.246067000	-3.945109000	2.991384000
1	2.292215000	-5.638572000	0.896782000
1	1.459075000	-4.189291000	-2.195313000
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1	2.364873000	-5.559359000	-1.516272000
1	2.568949000	-1.739514000	-2.045588000
1	4.514252000	-0.056977000	0.277122000
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1	7.044109000	-1.288566000	-1.878691000
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1	6.283629000	-2.505876000	1.605190000
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1	4.874236000	1.961093000	-2.440341000
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1	4.168147000	3.663258000	2.150236000
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1	7.155566000	5.530347000	-0.526476000
79	-1.957432000	-0.940620000	0.306901000
15	-3.761139000	0.466920000	-0.052699000
6	-4.455853000	1.116214000	1.501200000
6	-4.854207000	2.448847000	1.630833000
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6	-5.427099000	2.885947000	2.822912000
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1	-4.311978000	-0.807371000	2.468534000
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6	-3.716277000	1.425295000	-0.926339000
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6	-2.175983000	2.743612000	0.462405000
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6	4.494939000	-1.977131000	-2.112351000
6	6.045955000	-0.828739000	-0.651060000
6	5.555708000	-2.397102000	-2.907910000
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6	4.199357000	-2.746169000	1.794594000
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1	4.866368000	-4.272363000	3.150077000
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6	3.894600000	0.717131000	1.018601000
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6	4.150720000	0.659601000	2.389486000
6	4.519336000	3.054690000	1.002798000
1	3.860086000	1.974360000	-0.737016000

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1	5.129056000	3.874539000	2.898912000
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6	-3.662542000	0.529489000	-3.084641000
6	-4.953416000	0.739766000	-2.715627000
7	-5.014405000	1.003849000	-1.344976000
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6	-0.892281000	4.989158000	1.362397000
6	0.561921000	3.321181000	2.570508000
6	0.640352000	3.450432000	0.072826000
6	-1.572883000	-0.575952000	-0.130512000
8	-0.941018000	-1.587664000	0.110839000
6	-1.511009000	0.170802000	-1.438945000
6	-0.322571000	0.391096000	-2.045492000
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1	-6.023477000	2.538963000	-0.077285000
1	-6.326884000	1.983714000	1.585255000
1	-7.826416000	0.353778000	-1.476678000
1	-6.231980000	0.915495000	-2.004592000
1	-6.509221000	-0.817088000	-1.692043000
1	1.386916000	-4.584498000	0.016056000
1	0.352404000	-5.480041000	-1.103492000
1	1.955609000	-4.938905000	-1.619301000
1	-3.672967000	0.267280000	-2.210988000
1	-2.083573000	0.338446000	-2.975473000
1	-0.438576000	1.049141000	-0.492004000
1	0.038233000	3.160459000	0.655806000
1	-3.686681000	4.767206000	-0.766731000
1	-4.166028000	2.614229000	-1.922476000
1	-0.542247000	6.543318000	1.744932000
1	-0.423407000	4.819307000	2.200093000
1	0.425050000	5.421325000	0.748308000
79	1.526905000	-1.538612000	-0.604130000
15	2.751752000	0.219330000	0.157488000
6	1.881002000	1.081666000	1.507391000
6	2.346933000	2.326445000	1.951588000
6	0.755807000	0.507888000	2.105768000
6	1.697620000	2.979604000	2.993719000
1	3.215261000	2.782693000	1.483737000
6	0.100845000	1.173279000	3.139911000
1	0.385930000	-0.458014000	1.766115000
6	0.572447000	2.404037000	3.585954000
1	2.067332000	3.938124000	3.343384000
1	-0.773116000	0.724181000	3.600062000
1	0.065718000	2.917751000	4.396599000
6	3.024023000	1.446620000	-1.154830000
6	4.130006000	2.303537000	-1.106803000
6	2.090296000	1.562041000	-2.190734000
6	4.286460000	3.284272000	-2.080481000

1	4.875275000	2.190841000	-0.323746000
6	2.253231000	2.548827000	-3.158750000
1	1.244807000	0.879780000	-2.255598000
6	3.346487000	3.409436000	-3.101895000
1	5.146809000	3.943979000	-2.047391000
1	1.529853000	2.636329000	-3.961959000
1	3.474190000	4.172297000	-3.862594000
6	4.397187000	-0.229553000	0.784209000
6	4.741934000	-0.093385000	2.129771000
6	5.322640000	-0.748208000	-0.131110000
6	6.014451000	-0.470074000	2.555971000
1	4.027550000	0.303264000	2.844276000
6	6.589673000	-1.117420000	0.301701000
1	5.055744000	-0.850129000	-1.180705000
6	6.935716000	-0.977875000	1.645886000
1	6.282941000	-0.363611000	3.601506000
1	7.307421000	-1.514073000	-0.408196000
1	7.925360000	-1.268560000	1.981854000
1			
6	-2.375542000	-0.741835000	1.675626000
6	-2.566671000	-1.833117000	2.502084000
6	-2.160730000	-1.452630000	3.802616000
6	-1.751504000	-0.139689000	3.727741000
7	-1.905946000	0.297340000	2.444819000
6	-1.538708000	1.626357000	1.981442000
6	-2.599449000	-0.587477000	0.206278000
7	-1.418565000	-0.136511000	-0.574944000
6	-3.128899000	-1.859386000	-0.492769000
8	-4.135567000	-1.800187000	-1.180975000
7	-2.335878000	-2.942384000	-0.353054000
6	-2.536457000	-4.231384000	-1.042193000
6	-2.501034000	-4.015205000	-2.557732000
6	-1.374744000	-5.125983000	-0.610600000
6	-3.871456000	-4.845454000	-0.612022000
6	-0.146052000	-0.360619000	-0.276612000
8	0.763279000	0.086980000	-1.046700000
6	0.234591000	-1.094110000	0.899605000
6	0.753056000	-1.652652000	1.838983000
6	1.356704000	-2.328045000	2.976537000
6	-1.752138000	0.612775000	-1.810324000
6	-2.018513000	2.057317000	-1.474813000
6	-0.958202000	2.901381000	-1.145281000
6	-1.185285000	4.203564000	-0.709573000
6	-2.497810000	4.676070000	-0.607368000
6	-3.567834000	3.840663000	-0.947930000
6	-3.326042000	2.544469000	-1.377207000
8	-2.833295000	5.920370000	-0.191746000
6	-1.785515000	6.804637000	0.147909000
1	-2.955425000	-2.793165000	2.196160000
1	-2.188334000	-2.058139000	4.696210000
1	-1.383178000	0.532002000	4.489521000
1	-1.562801000	2.304646000	2.834988000

1	-0.531008000	1.642010000	1.549282000
1	-2.254455000	1.981180000	1.235838000
1	-3.358180000	0.180167000	0.017582000
1	-1.546267000	-2.863930000	0.276060000
1	-2.598087000	-4.976932000	-3.069672000
1	-3.320917000	-3.366208000	-2.870239000
1	-1.550776000	-3.560478000	-2.853521000
1	-1.462918000	-6.105788000	-1.085642000
1	-1.380314000	-5.273414000	0.474995000
1	-0.414186000	-4.688481000	-0.902924000
1	-4.014690000	-5.809695000	-1.108525000
1	-3.884036000	-5.010777000	0.469892000
1	-4.697445000	-4.184160000	-0.879435000
1	0.680038000	-3.093443000	3.363319000
1	2.305695000	-2.784891000	2.684488000
1	1.543475000	-1.600654000	3.770793000
1	-2.637468000	0.130076000	-2.235054000
1	-0.918356000	0.497543000	-2.501539000
1	0.063191000	2.532349000	-1.197398000
1	-0.338638000	4.829017000	-0.453619000
1	-4.574466000	4.235462000	-0.867265000
1	-4.162399000	1.900015000	-1.639344000
1	-2.261910000	7.738489000	0.443969000
1	-1.191907000	6.417996000	0.984705000
1	-1.125171000	6.988005000	-0.707576000
79	2.732358000	0.061225000	-0.366784000
17	2.276278000	2.099534000	0.652286000
17	4.865752000	0.090065000	0.353729000
17	3.029819000	-1.999003000	-1.357127000
Tsas1			
6	1.158895000	1.254067000	1.881591000
6	0.475823000	2.185880000	2.642798000
6	0.275781000	1.639828000	3.918251000
6	0.860703000	0.400860000	3.904460000
7	1.419205000	0.171044000	2.705494000
6	2.071234000	-1.074219000	2.333225000
6	1.925476000	1.474380000	0.602681000
7	1.466542000	0.608597000	-0.470693000
6	1.949442000	2.971778000	0.227848000
8	2.773207000	3.670159000	0.753780000
7	1.025715000	3.383283000	-0.651178000
6	0.866307000	4.761210000	-1.163335000
6	2.141783000	5.208805000	-1.886437000
6	-0.302184000	4.709917000	-2.151685000
6	0.532287000	5.715038000	-0.011298000
6	0.286834000	-0.020628000	-0.445930000
8	-0.092116000	-0.819874000	-1.256004000
6	-0.666302000	0.328491000	0.634930000
6	-1.835262000	0.332511000	1.089479000
6	-2.684545000	0.923463000	2.162284000
6	2.393301000	0.327400000	-1.579825000
6	3.421098000	-0.732845000	-1.256562000

6	3.090591000	-2.079105000	-1.306472000
6	4.017344000	-3.063233000	-0.996294000
6	5.308576000	-2.703518000	-0.632712000
6	5.657268000	-1.356818000	-0.588113000
6	4.723942000	-0.390613000	-0.900517000
8	6.281888000	-3.573596000	-0.312183000
6	6.036477000	-4.952389000	-0.373688000
1	0.193113000	3.163735000	2.310277000
1	-0.232115000	2.090184000	4.745543000
1	0.900159000	-0.341403000	4.675325000
1	1.412350000	-1.700301000	1.744733000
1	2.974374000	-0.878410000	1.774509000
1	2.335714000	-1.601546000	3.237989000
1	2.965147000	1.237707000	0.787917000
1	0.434436000	2.692691000	-1.050232000
1	2.001124000	6.201301000	-2.302630000
1	2.984235000	5.237028000	-1.209129000
1	2.373300000	4.532117000	-2.703507000
1	-0.485054000	5.695915000	-2.562571000
1	-1.214208000	4.373960000	-1.667579000
1	-0.087875000	4.039512000	-2.979021000
1	0.381827000	6.719153000	-0.394654000
1	-0.383303000	5.406077000	0.484393000
1	1.332620000	5.742550000	0.715621000
1	-2.150870000	1.693824000	2.695140000
1	-3.579129000	1.335893000	1.714205000
1	-2.974537000	0.137118000	2.848654000
1	2.882590000	1.261598000	-1.827798000
1	1.792653000	0.034471000	-2.426729000
1	2.095198000	-2.371582000	-1.590677000
1	3.721306000	-4.092746000	-1.050612000
1	6.662642000	-1.093538000	-0.316554000
1	5.019392000	0.645119000	-0.874658000
1	6.960627000	-5.435322000	-0.093403000
1	5.255728000	-5.248059000	0.320016000
1	5.762207000	-5.261536000	-1.377100000
17	-3.457562000	0.840357000	-1.491763000
17	-2.322472000	-2.721071000	1.261599000
79	-2.896384000	-1.009644000	-0.201618000
17	-4.210118000	-2.411590000	-1.469705000
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6	0.680895000	1.023893000	1.642890000
6	0.402045000	2.060789000	2.683294000
6	0.804649000	1.631031000	3.905553000
6	1.321505000	0.307000000	3.736998000
7	1.272413000	-0.073894000	2.486543000
6	1.581311000	-1.411962000	1.979054000
6	1.756343000	1.499659000	0.578299000
7	1.447023000	0.727894000	-0.595470000
6	1.697262000	3.046004000	0.390325000
8	2.114035000	3.760626000	1.301874000
7	1.176098000	3.465673000	-0.776786000

6	0.975183000	4.882147000	-1.188882000
6	2.334750000	5.601220000	-1.229613000
6	0.350890000	4.834704000	-2.591364000
6	0.018249000	5.577083000	-0.203159000
6	0.191300000	0.130194000	-0.566351000
8	-0.262261000	-0.527940000	-1.486683000
6	-0.433911000	0.447278000	0.752221000
6	-1.692677000	0.116666000	1.097492000
6	-2.371022000	0.426520000	2.392514000
6	2.420798000	0.446858000	-1.659619000
6	3.399500000	-0.654477000	-1.309672000
6	3.017715000	-1.997816000	-1.421102000
6	3.892958000	-3.030783000	-1.079641000
6	5.182017000	-2.725391000	-0.619055000
6	5.577142000	-1.383463000	-0.505559000
6	4.693958000	-0.366301000	-0.849465000
8	6.116029000	-3.648544000	-0.262249000
6	5.794635000	-5.026321000	-0.404753000
1	-0.035557000	3.018668000	2.445973000
1	0.749651000	2.158550000	4.846798000
1	1.702276000	-0.356890000	4.505865000
1	2.008185000	-1.999651000	2.792718000
1	0.657625000	-1.884002000	1.622173000
1	2.297532000	-1.345823000	1.157783000
1	2.761881000	1.291019000	0.960201000
1	0.814153000	2.746620000	-1.390204000
1	2.196007000	6.638256000	-1.550552000
1	2.801608000	5.600274000	-0.242915000
1	3.009782000	5.112165000	-1.939360000
1	0.176030000	5.850250000	-2.955866000
1	-0.611823000	4.311884000	-2.581924000
1	1.014555000	4.332365000	-3.303757000
1	-0.159653000	6.608782000	-0.522074000
1	-0.946481000	5.060571000	-0.171644000
1	0.446907000	5.596220000	0.801067000
1	-1.773419000	1.047395000	3.067531000
1	-3.313632000	0.944667000	2.185643000
1	-2.629685000	-0.508117000	2.903467000
1	2.951822000	1.375449000	-1.894271000
1	1.821260000	0.165526000	-2.529398000
1	2.019949000	-2.240434000	-1.777403000
1	3.565642000	-4.058108000	-1.185657000
1	6.581909000	-1.166802000	-0.157937000
1	5.022679000	0.668165000	-0.774916000
1	6.681579000	-5.575231000	-0.085988000
1	4.945992000	-5.311927000	0.229468000
1	5.566209000	-5.280682000	-1.446951000
79	-2.839237000	-1.001385000	-0.163072000
17	-1.827390000	-2.877515000	0.892525000
17	-4.211652000	-2.353998000	-1.545703000
17	-3.761395000	1.007528000	-0.966300000

Tsas2

6	-1.366591000	-1.439806000	0.923962000
6	-1.143832000	-2.683851000	0.181844000
6	-1.112894000	-3.732070000	1.189003000
6	-1.310075000	-3.136791000	2.401177000
7	-1.447867000	-1.774656000	2.271037000
6	-1.623606000	-0.811053000	3.359065000
6	-2.068356000	-0.221347000	0.347498000
7	-1.456495000	-0.026291000	-0.955694000
6	-3.595133000	-0.501465000	0.350179000
8	-4.219756000	-0.320501000	1.392979000
7	-4.103140000	-0.982667000	-0.805340000
6	-5.517073000	-1.383193000	-1.037366000
6	-6.440930000	-0.170497000	-0.824471000
6	-5.595061000	-1.860895000	-2.494827000
6	-5.892119000	-2.528390000	-0.079498000
6	-0.187422000	-0.576790000	-1.069160000
8	0.588010000	-0.326092000	-1.971630000
6	0.092909000	-1.528683000	0.083838000
6	1.372535000	-1.688085000	0.585156000
6	1.747006000	-2.574778000	1.717411000
6	-1.790729000	1.175506000	-1.762274000
6	-1.527824000	2.486330000	-1.054940000
6	-0.222905000	2.974518000	-0.918336000
6	0.033588000	4.177702000	-0.261738000
6	-1.029860000	4.919485000	0.270335000
6	-2.343306000	4.443628000	0.136700000
6	-2.582348000	3.241023000	-0.517280000
8	-0.893950000	6.104082000	0.927548000
6	0.415345000	6.630212000	1.102931000
1	-1.488574000	-2.856613000	-0.830652000
1	-0.986913000	-4.787763000	1.001627000
1	-1.326086000	-3.582916000	3.387043000
1	-0.802303000	-0.088103000	3.357617000
1	-2.580213000	-0.297606000	3.241289000
1	-1.616154000	-1.355703000	4.304019000
1	-1.918409000	0.652557000	0.992670000
1	-3.454333000	-1.073447000	-1.575985000
1	-7.481290000	-0.458392000	-1.005273000
1	-6.356013000	0.204431000	0.197040000
1	-6.185719000	0.636853000	-1.518529000
1	-6.615933000	-2.170837000	-2.732522000
1	-4.936140000	-2.719207000	-2.668527000
1	-5.317603000	-1.061161000	-3.190546000
1	-6.923618000	-2.845642000	-0.261773000
1	-5.237179000	-3.392293000	-0.234033000
1	-5.805473000	-2.204005000	0.959063000
1	1.419314000	-2.110004000	2.657928000
1	1.243359000	-3.546785000	1.652692000
1	2.825780000	-2.719242000	1.770318000
1	-2.844484000	1.108032000	-2.047684000
1	-1.183443000	1.083678000	-2.664552000
1	0.611391000	2.409531000	-1.321675000

1	1.058154000	4.515786000	-0.169197000
1	-3.154332000	5.033395000	0.550975000
1	-3.606590000	2.887936000	-0.617938000
1	0.291144000	7.565205000	1.651085000
1	1.049438000	5.949967000	1.684516000
1	0.899431000	6.837166000	0.140464000
79	2.901643000	-0.582977000	-0.152113000
17	2.099861000	1.137482000	1.275714000
17	4.715765000	0.712674000	-0.920689000
17	3.571620000	-2.497128000	-1.344968000

Tsas3

6	1.423390000	1.222782000	1.888363000
6	0.263219000	1.629059000	2.575862000
6	0.285732000	0.985156000	3.848049000
6	1.408714000	0.200827000	3.875818000
7	2.098590000	0.344102000	2.685445000
6	3.319080000	-0.383677000	2.341796000
6	1.884782000	1.626311000	0.522347000
7	1.400857000	0.664699000	-0.463219000
6	1.525704000	3.118936000	0.249381000
8	2.144671000	3.977616000	0.869000000
7	0.543918000	3.329905000	-0.652699000
6	0.013670000	4.659339000	-1.063695000
6	1.149684000	5.504537000	-1.667380000
6	-1.065778000	4.382577000	-2.120452000
6	-0.601969000	5.368243000	0.156351000
6	0.300983000	-0.116247000	-0.244036000
8	-0.036069000	-1.017567000	-1.006380000
6	-0.574598000	0.180725000	0.919333000
6	-1.804974000	-0.011182000	1.268626000
6	-2.704063000	0.395987000	2.379880000
6	2.216820000	0.423771000	-1.673418000
6	3.416835000	-0.460948000	-1.416708000
6	3.258168000	-1.844996000	-1.267299000
6	4.348756000	-2.673513000	-0.997026000
6	5.631416000	-2.118190000	-0.875376000
6	5.803951000	-0.734249000	-1.030764000
6	4.707604000	0.077713000	-1.300374000
8	6.761491000	-2.829529000	-0.614503000
6	6.660078000	-4.242229000	-0.491116000
1	-0.377835000	2.440647000	2.264105000
1	-0.430206000	1.096713000	4.648168000
1	1.784221000	-0.459958000	4.643533000
1	4.115592000	0.311249000	2.066266000
1	3.637737000	-0.948668000	3.217822000
1	3.144784000	-1.073093000	1.512603000
1	2.979046000	1.602597000	0.498583000
1	0.103754000	2.516421000	-1.061934000
1	0.757850000	6.473986000	-1.990849000
1	1.939757000	5.674412000	-0.933636000
1	1.580631000	5.004179000	-2.540767000
1	-1.513636000	5.324055000	-2.449702000

1	-1.863963000	3.747577000	-1.721209000
1	-0.640266000	3.887558000	-3.000199000
1	-0.998818000	6.344190000	-0.140254000
1	-1.428633000	4.778848000	0.566918000
1	0.149276000	5.521190000	0.933989000
1	-3.071339000	-0.499910000	2.889927000
1	-2.197161000	1.041693000	3.099018000
1	-3.572235000	0.922146000	1.970913000
1	2.530801000	1.402375000	-2.050561000
1	1.546591000	-0.027444000	-2.406895000
1	2.267795000	-2.280597000	-1.366363000
1	4.190512000	-3.740681000	-0.896863000
1	6.804963000	-0.324018000	-0.947586000
1	4.861292000	1.146010000	-1.437343000
1	7.672960000	-4.599656000	-0.301830000
1	6.013394000	-4.529851000	0.347466000
1	6.280637000	-4.701309000	-1.412217000
79	-2.834687000	-1.168203000	-0.168099000
17	-2.481335000	-3.034080000	1.213033000
17	-4.137856000	-2.410950000	-1.670612000
17	-3.192265000	0.837845000	-1.363708000
S2a			
6	1.817100000	0.985732000	1.611075000
6	0.563232000	0.470725000	2.206953000
6	1.077563000	-0.433333000	3.296616000
6	2.413587000	-0.363234000	3.309046000
7	2.852805000	0.508744000	2.254462000
6	4.270436000	0.724437000	1.949978000
6	1.765287000	1.641155000	0.270023000
7	1.268910000	0.606046000	-0.627963000
6	0.974770000	2.968452000	0.416083000
8	1.276048000	3.653275000	1.396829000
7	0.102218000	3.257653000	-0.557995000
6	-0.743749000	4.487376000	-0.625269000
6	0.159921000	5.731259000	-0.581167000
6	-1.486881000	4.424484000	-1.967796000
6	-1.743089000	4.486382000	0.545454000
6	0.269693000	-0.312401000	-0.244978000
8	-0.055470000	-1.203123000	-1.015447000
6	-0.350672000	-0.107362000	1.100448000
6	-1.648902000	-0.391116000	1.331244000
6	-2.352590000	-0.145479000	2.631603000
6	2.038374000	0.338537000	-1.861392000
6	3.382732000	-0.307580000	-1.596921000
6	3.455924000	-1.621766000	-1.116248000
6	4.683814000	-2.228291000	-0.844601000
6	5.875591000	-1.518045000	-1.061981000
6	5.816020000	-0.202102000	-1.545318000
6	4.583102000	0.387905000	-1.808471000
8	7.123680000	-2.012950000	-0.840051000
6	7.253331000	-3.369683000	-0.434174000
1	0.051115000	1.331726000	2.669272000

1	0.453523000	-1.001986000	3.970708000
1	3.155466000	-0.827498000	3.942762000
1	4.395103000	1.683437000	1.450340000
1	4.826560000	0.737130000	2.888262000
1	4.636286000	-0.080158000	1.306903000
1	2.767229000	1.925676000	-0.063301000
1	-0.171943000	2.487404000	-1.159496000
1	-0.456617000	6.630029000	-0.678813000
1	0.711583000	5.786475000	0.358559000
1	0.875195000	5.719271000	-1.410273000
1	-2.129124000	5.302919000	-2.074124000
1	-2.120111000	3.534329000	-2.031030000
1	-0.782996000	4.417229000	-2.807212000
1	-2.384517000	5.371685000	0.488282000
1	-2.378965000	3.597179000	0.504201000
1	-1.213562000	4.508231000	1.501372000
1	-2.714831000	-1.099830000	3.029460000
1	-1.735230000	0.343003000	3.395580000
1	-3.236201000	0.478991000	2.460523000
1	2.168618000	1.287122000	-2.392717000
1	1.399034000	-0.308176000	-2.464600000
1	2.539085000	-2.185674000	-0.966457000
1	4.701708000	-3.252239000	-0.490295000
1	6.746107000	0.328229000	-1.721867000
1	4.555612000	1.401248000	-2.203699000
1	8.324714000	-3.557674000	-0.356006000
1	6.784379000	-3.547237000	0.542220000
1	6.817905000	-4.054172000	-1.172058000
79	-2.858327000	-1.167607000	-0.118015000
17	-2.951021000	1.003630000	-1.071250000
17	-2.702054000	-3.221142000	1.018647000
17	-4.320245000	-2.058769000	-1.764146000

Tsas4

6	1.838329000	0.656067000	1.701368000
6	0.526666000	0.310162000	2.141974000
6	0.717603000	-0.111362000	3.532636000
6	2.026296000	0.083896000	3.841965000
7	2.709440000	0.567360000	2.713683000
6	4.110704000	0.982011000	2.705488000
6	1.932400000	1.242816000	0.346172000
7	1.304548000	0.320060000	-0.593395000
6	1.139142000	2.610568000	0.394277000
8	0.377814000	2.849433000	1.357876000
7	1.323923000	3.434576000	-0.631499000
6	0.574539000	4.707480000	-0.908602000
6	0.842474000	5.707905000	0.227664000
6	1.144255000	5.238927000	-2.232334000
6	-0.925301000	4.404850000	-1.050560000
6	0.153518000	-0.420486000	-0.258766000
8	-0.297130000	-1.223437000	-1.062217000
6	-0.450484000	-0.153027000	1.087803000

6	-1.783291000	-0.265488000	1.291452000
6	-2.472363000	0.114354000	2.567767000
6	2.022586000	0.004261000	-1.839552000
6	3.311364000	-0.749641000	-1.592801000
6	3.274190000	-2.092123000	-1.194233000
6	4.444185000	-2.800132000	-0.921229000
6	5.688659000	-2.163507000	-1.043011000
6	5.741998000	-0.820385000	-1.442888000
6	4.564247000	-0.129927000	-1.715484000
8	6.889750000	-2.757235000	-0.800491000
6	6.905502000	-4.137268000	-0.458905000
1	0.355279000	1.590847000	2.074819000
1	-0.037052000	-0.517538000	4.188496000
1	2.566691000	-0.076164000	4.763774000
1	4.536206000	0.814891000	1.714456000
1	4.210675000	2.036433000	2.979876000
1	4.660257000	0.372170000	3.424048000
1	2.961407000	1.428762000	0.027243000
1	1.915750000	3.097260000	-1.379054000
1	0.334874000	6.651198000	0.005954000
1	0.463797000	5.332495000	1.179962000
1	1.913579000	5.912622000	0.326888000
1	0.645716000	6.174329000	-2.496708000
1	0.972406000	4.531422000	-3.051220000
1	2.218758000	5.441137000	-2.155667000
1	-1.459356000	5.329637000	-1.289383000
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1	-1.341818000	3.995084000	-0.129409000
1	-2.892172000	-0.784916000	3.033492000
1	-1.826819000	0.627806000	3.288306000
1	-3.316871000	0.774198000	2.343468000
1	2.222270000	0.933975000	-2.388545000
1	1.318242000	-0.583377000	-2.430848000
1	2.313859000	-2.592773000	-1.103353000
1	4.376983000	-3.840370000	-0.626005000
1	6.713519000	-0.348862000	-1.549510000
1	4.624240000	0.902790000	-2.055322000
1	7.956293000	-4.404569000	-0.340433000
1	6.376435000	-4.327603000	0.483512000
1	6.462273000	-4.753218000	-1.250804000
17	-3.072648000	-2.993052000	0.995204000
17	-2.993154000	1.252259000	-1.066304000
79	-3.060752000	-0.931136000	-0.146783000
17	-4.606341000	-1.692451000	-1.788082000
S3a			
6	-0.735640000	2.766087000	-0.866064000
6	0.632135000	2.783907000	-0.661574000
6	1.016348000	4.155598000	-0.603775000
6	-0.129397000	4.905553000	-0.765138000
7	-1.208581000	4.063682000	-0.925921000
6	-2.574388000	4.492869000	-1.152002000
6	-1.501692000	1.487556000	-1.009508000

7	-0.671584000	0.470506000	-1.617248000
6	-2.013112000	1.071997000	0.389838000
8	-1.279572000	0.502525000	1.280956000
7	-3.236505000	1.420562000	0.734948000
6	-3.927088000	1.261670000	2.064062000
6	-3.177234000	2.081806000	3.126465000
6	-5.341184000	1.823232000	1.850546000
6	-3.998856000	-0.226185000	2.444454000
6	0.727178000	0.436070000	-1.484156000
8	1.366646000	-0.443567000	-2.041403000
6	1.346826000	1.498887000	-0.618167000
6	2.402731000	1.194715000	0.172092000
6	3.073489000	2.152718000	1.109616000
6	-1.332712000	-0.506541000	-2.498086000
6	-2.420144000	-1.307728000	-1.815136000
6	-3.756000000	-1.186882000	-2.203793000
6	-4.768668000	-1.946333000	-1.605266000
6	-4.437037000	-2.850693000	-0.589976000
6	-3.096428000	-2.979530000	-0.184992000
6	-2.104881000	-2.222249000	-0.791398000
8	-5.330834000	-3.643853000	0.065349000
6	-6.684203000	-3.633554000	-0.362268000
1	-0.398936000	0.050802000	1.026170000
1	2.016492000	4.548722000	-0.501927000
1	-0.265505000	5.976843000	-0.800590000
1	-3.209822000	4.321529000	-0.274139000
1	-2.577433000	5.562342000	-1.367361000
1	-3.009057000	3.977783000	-2.015500000
1	-2.392964000	1.623194000	-1.637254000
1	-3.796792000	1.823560000	-0.004823000
1	-3.706351000	2.002735000	4.080468000
1	-2.160332000	1.713395000	3.271193000
1	-3.132781000	3.139513000	2.848537000
1	-5.909403000	1.748067000	2.780302000
1	-5.881198000	1.258049000	1.082855000
1	-5.314994000	2.880442000	1.562089000
1	-4.581959000	-0.327980000	3.364492000
1	-4.487271000	-0.809137000	1.659293000
1	-3.007657000	-0.644776000	2.620779000
1	4.086308000	2.363438000	0.748016000
1	2.526485000	3.094005000	1.217312000
1	3.187262000	1.702245000	2.101666000
1	-0.529011000	-1.153093000	-2.855730000
1	-1.751376000	0.022248000	-3.365848000
1	-4.019909000	-0.505120000	-3.010255000
1	-5.791435000	-1.837446000	-1.946516000
1	-2.857039000	-3.694818000	0.594987000
1	-1.071966000	-2.344477000	-0.475284000
1	-7.202729000	-4.362721000	0.261575000
1	-7.147614000	-2.647659000	-0.222860000
1	-6.777101000	-3.927075000	-1.415382000
17	1.002438000	-1.305942000	1.366107000

17	5.083643000	-0.001298000	-0.664747000
79	3.092809000	-0.725867000	0.302438000
17	3.878546000	-2.971174000	0.553040000
Tsas5			
6	-0.651889000	2.999692000	-0.700470000
6	0.689867000	2.827435000	-0.431277000
6	1.292407000	4.115370000	-0.449906000
6	0.281705000	5.016422000	-0.721901000
7	-0.909989000	4.335395000	-0.874416000
6	-2.194850000	4.938108000	-1.186101000
6	-1.554645000	1.804260000	-0.800139000
7	-0.848011000	0.757061000	-1.550822000
6	-1.860939000	1.299794000	0.634827000
8	-0.908555000	1.012884000	1.398551000
7	-3.138098000	1.234309000	1.013917000
6	-3.652642000	0.809612000	2.355090000
6	-3.146105000	1.794970000	3.421919000
6	-5.183622000	0.876319000	2.248357000
6	-3.200899000	-0.626756000	2.668513000
6	0.491702000	0.497830000	-1.325426000
8	1.098701000	-0.379811000	-1.913871000
6	1.126014000	1.405208000	-0.248329000
6	2.278188000	0.984381000	0.429995000
6	2.961619000	1.873813000	1.408328000
6	-1.590856000	-0.036442000	-2.539605000
6	-2.666031000	-0.914513000	-1.935184000
6	-4.017307000	-0.690860000	-2.204043000
6	-5.018858000	-1.510604000	-1.667219000
6	-4.657355000	-2.583881000	-0.844916000
6	-3.298682000	-2.816880000	-0.563304000
6	-2.320086000	-1.994035000	-1.100550000
8	-5.535322000	-3.454694000	-0.274270000
6	-6.915582000	-3.317572000	-0.574876000
1	0.358833000	1.088281000	0.727994000
1	2.334314000	4.361035000	-0.308423000
1	0.313596000	6.090268000	-0.833723000
1	-2.927977000	4.731018000	-0.399611000
1	-2.067682000	6.018622000	-1.260879000
1	-2.581769000	4.570669000	-2.142484000
1	-2.485555000	2.027272000	-1.329442000
1	-3.828828000	1.342994000	0.283574000
1	-3.550665000	1.515108000	4.399088000
1	-2.056638000	1.776568000	3.484918000
1	-3.470969000	2.816269000	3.197763000
1	-5.633912000	0.580193000	3.198907000
1	-5.554193000	0.193578000	1.475373000
1	-5.525271000	1.891848000	2.017295000
1	-3.620251000	-0.935188000	3.631249000
1	-3.552475000	-1.321158000	1.900801000
1	-2.113495000	-0.695921000	2.726545000
1	3.947887000	2.115909000	0.989755000
1	2.415483000	2.797804000	1.615353000

1	3.154220000	1.332426000	2.340329000
1	-0.835502000	-0.638591000	-3.048962000
1	-2.033776000	0.645808000	-3.276725000
1	-4.306166000	0.123092000	-2.866752000
1	-6.056632000	-1.317055000	-1.912023000
1	-3.037530000	-3.659006000	0.069067000
1	-1.274749000	-2.189365000	-0.875164000
1	-7.420848000	-4.126611000	-0.045876000
1	-7.314065000	-2.355710000	-0.225478000
1	-7.105795000	-3.414333000	-1.651213000
17	1.235107000	-1.701170000	1.537915000
17	4.786308000	0.141108000	-0.963323000
79	3.032280000	-0.881157000	0.238914000
17	3.988436000	-3.026928000	0.025281000

S4a

6	-0.758783000	2.681961000	-0.777621000
6	0.572479000	2.594944000	-0.430602000
6	1.132702000	3.895566000	-0.572484000
6	0.107263000	4.721599000	-0.984996000
7	-1.050030000	3.980689000	-1.107468000
6	-2.336505000	4.487539000	-1.555933000
6	-1.650909000	1.479897000	-0.812234000
7	-0.869615000	0.334850000	-1.300643000
6	-2.196024000	1.208827000	0.624919000
8	-1.408595000	0.990144000	1.546290000
7	-3.536702000	1.317335000	0.767252000
6	-4.290228000	1.151407000	2.043279000
6	-3.846778000	2.240307000	3.035522000
6	-5.772148000	1.334913000	1.682298000
6	-4.055665000	-0.251093000	2.631921000
6	0.454091000	0.142051000	-0.984534000
8	1.095545000	-0.816195000	-1.386323000
6	1.065610000	1.223798000	-0.048534000
6	2.402898000	1.001451000	0.461223000
6	3.060193000	2.051606000	1.271170000
6	-1.517725000	-0.585482000	-2.250188000
6	-2.718437000	-1.312061000	-1.685392000
6	-4.001252000	-1.081335000	-2.184970000
6	-5.116475000	-1.774240000	-1.696782000
6	-4.942887000	-2.725436000	-0.685110000
6	-3.655694000	-2.964684000	-0.170490000
6	-2.563519000	-2.268089000	-0.664918000
8	-5.943827000	-3.468356000	-0.137092000
6	-7.259147000	-3.311259000	-0.647198000
1	0.544640000	0.989407000	0.934573000
1	2.155642000	4.202271000	-0.417034000
1	0.108633000	5.777066000	-1.213797000
1	-3.124351000	4.221623000	-0.844902000
1	-2.283583000	5.574979000	-1.620584000
1	-2.597158000	4.094070000	-2.544661000
1	-2.481099000	1.623742000	-1.511233000
1	-4.085352000	1.274206000	-0.080567000

1	-4.417176000	2.147716000	3.964861000
1	-2.785535000	2.140645000	3.269589000
1	-4.024819000	3.238723000	2.622529000
1	-6.390551000	1.231385000	2.577618000
1	-6.098421000	0.576184000	0.961478000
1	-5.958189000	2.327368000	1.256480000
1	-4.634577000	-0.365059000	3.554124000
1	-4.371557000	-1.026905000	1.928807000
1	-2.999745000	-0.400857000	2.862943000
1	3.876484000	2.448510000	0.648076000
1	2.396542000	2.869536000	1.560303000
1	3.543196000	1.608464000	2.147604000
1	-0.740189000	-1.290490000	-2.549420000
1	-1.813838000	-0.013857000	-3.139649000
1	-4.142554000	-0.365012000	-2.992186000
1	-6.094319000	-1.579562000	-2.121257000
1	-3.540879000	-3.712338000	0.607347000
1	-1.573653000	-2.469575000	-0.264164000
1	-7.884279000	-4.008156000	-0.087561000
1	-7.633705000	-2.290273000	-0.495692000
1	-7.310318000	-3.557031000	-1.715438000
17	2.210883000	-1.548675000	2.130253000
17	4.491384000	0.429768000	-1.498194000
79	3.383706000	-0.724106000	0.253955000
17	4.628266000	-2.692291000	-0.023099000

Tsas6

6	-0.666137000	2.919987000	-0.830340000
6	0.683395000	2.812275000	-0.535729000
6	1.203337000	4.140237000	-0.440748000
6	0.145695000	4.988199000	-0.665929000
7	-1.000639000	4.239276000	-0.886204000
6	-2.324170000	4.780490000	-1.161639000
6	-1.559416000	1.725139000	-0.921236000
7	-0.804367000	0.628085000	-1.534264000
6	-2.019006000	1.359063000	0.532818000
8	-1.171035000	1.202544000	1.405820000
7	-3.358625000	1.328036000	0.724597000
6	-4.035661000	1.039929000	2.022917000
6	-3.675796000	2.146999000	3.028859000
6	-5.542397000	1.064144000	1.723735000
6	-3.619981000	-0.340752000	2.559360000
6	0.539419000	0.438218000	-1.329272000
8	1.180825000	-0.450466000	-1.865496000
6	1.225401000	1.460641000	-0.392446000
6	2.335337000	1.063447000	0.373134000
6	3.039558000	2.027039000	1.285553000
6	-1.512279000	-0.267544000	-2.465761000
6	-2.567911000	-1.133207000	-1.812855000
6	-3.910011000	-1.028739000	-2.181429000
6	-4.891755000	-1.856862000	-1.621854000
6	-4.518393000	-2.814789000	-0.672366000
6	-3.169374000	-2.924486000	-0.288540000

6	-2.209967000	-2.096450000	-0.850978000
8	-5.375782000	-3.680968000	-0.065275000
6	-6.743436000	-3.655253000	-0.443392000
1	1.026148000	0.948006000	0.781420000
1	2.226123000	4.437776000	-0.267676000
1	0.108375000	6.066476000	-0.710680000
1	-3.066260000	4.321836000	-0.502444000
1	-2.311215000	5.854419000	-0.973352000
1	-2.612106000	4.610955000	-2.204406000
1	-2.426258000	1.919756000	-1.561187000
1	-3.929068000	1.227665000	-0.104325000
1	-4.191874000	1.967509000	3.977004000
1	-2.601088000	2.162537000	3.218763000
1	-3.983106000	3.128912000	2.653380000
1	-6.108357000	0.873329000	2.639141000
1	-5.811209000	0.289231000	0.996563000
1	-5.854924000	2.038396000	1.330887000
1	-4.144510000	-0.544158000	3.498640000
1	-3.874131000	-1.128768000	1.845302000
1	-2.545558000	-0.375982000	2.746095000
1	3.964815000	2.324432000	0.778654000
1	2.448719000	2.917159000	1.515899000
1	3.330308000	1.529661000	2.213706000
1	-0.735030000	-0.881709000	-2.924174000
1	-1.966049000	0.345924000	-3.254708000
1	-4.204754000	-0.306220000	-2.940472000
1	-5.921578000	-1.758319000	-1.944098000
1	-2.899522000	-3.676173000	0.445764000
1	-1.172166000	-2.196892000	-0.543112000
1	-7.232484000	-4.434385000	0.142655000
1	-7.209265000	-2.687457000	-0.215049000
1	-6.871555000	-3.871998000	-1.511478000
17	1.279902000	-1.569270000	1.581502000
17	4.886407000	0.126240000	-0.937234000
79	3.115168000	-0.825181000	0.287444000
17	4.086867000	-2.964949000	0.224246000

s5a

6	0.976557000	-2.170634000	-0.607642000
6	-0.308847000	-2.597474000	-0.208747000
6	-0.669937000	-3.695035000	-1.071825000
6	0.376521000	-3.882242000	-1.918113000
7	1.368765000	-2.931256000	-1.646108000
6	2.634840000	-2.864780000	-2.367592000
6	1.721659000	-1.010829000	-0.034766000
7	1.069585000	-0.526756000	1.181479000
6	3.197712000	-1.437938000	0.292255000
8	3.426434000	-2.528764000	0.799387000
7	4.136225000	-0.528223000	-0.073431000
6	5.598868000	-0.656220000	0.182713000
6	6.142237000	-1.910238000	-0.525306000
6	6.252609000	0.600674000	-0.411383000
6	5.864030000	-0.736076000	1.697591000

6	-0.099647000	-1.032165000	1.712617000
8	-0.470789000	-0.773488000	2.847759000
6	-0.970014000	-1.898131000	0.813202000
6	-2.359936000	-1.909557000	1.135460000
6	-3.320837000	-2.988310000	0.679745000
6	1.700893000	0.606048000	1.885016000
6	1.741184000	1.863094000	1.035322000
6	0.585936000	2.333100000	0.399250000
6	0.594753000	3.501313000	-0.361886000
6	1.781612000	4.236947000	-0.490497000
6	2.944416000	3.788526000	0.154066000
6	2.918214000	2.616031000	0.903659000
8	1.906227000	5.386264000	-1.207954000
6	0.749290000	5.904758000	-1.854177000
1	-2.537769000	-1.536656000	2.141488000
1	-1.579473000	-4.270939000	-1.048409000
1	0.525877000	-4.599085000	-2.711429000
1	3.397247000	-3.453943000	-1.851464000
1	2.483714000	-3.253082000	-3.375560000
1	2.972762000	-1.830195000	-2.438527000
1	1.735795000	-0.191794000	-0.772260000
1	3.805425000	0.387929000	-0.351748000
1	7.223965000	-1.978579000	-0.373805000
1	5.678320000	-2.813706000	-0.126586000
1	5.954668000	-1.857904000	-1.602984000
1	7.333448000	0.569409000	-0.250805000
1	5.871117000	1.512404000	0.060878000
1	6.072510000	0.669008000	-1.489591000
1	6.937682000	-0.836402000	1.885365000
1	5.516605000	0.170573000	2.203966000
1	5.353804000	-1.598311000	2.131267000
1	-3.343379000	-3.110511000	-0.403572000
1	-3.044476000	-3.946015000	1.141638000
1	-4.331806000	-2.743001000	1.013372000
1	2.708436000	0.328937000	2.212897000
1	1.100429000	0.753203000	2.784575000
1	-0.350298000	1.792748000	0.502377000
1	-0.326308000	3.820992000	-0.834107000
1	3.850785000	4.377406000	0.057342000
1	3.821332000	2.297188000	1.419923000
1	1.070320000	6.821300000	-2.350877000
1	0.356920000	5.205225000	-2.602408000
1	-0.042623000	6.140822000	-1.133319000
17	-2.533420000	-1.010639000	-2.075714000
17	-3.213074000	1.013007000	2.098781000
79	-2.840112000	0.003722000	0.023580000
17	-3.493263000	2.006179000	-1.063146000
Tsbs1			
6	1.210747000	1.208194000	2.044545000
6	0.661581000	2.050789000	3.004851000
6	0.812527000	1.431835000	4.266906000
6	1.458797000	0.226725000	4.050596000

7	1.714773000	0.093860000	2.711233000
6	2.392875000	-1.054013000	2.119070000
6	1.572258000	1.539731000	0.616192000
7	1.248021000	0.565889000	-0.451006000
6	1.159341000	3.007166000	0.267859000
8	1.775345000	3.920035000	0.809587000
7	0.166856000	3.164770000	-0.636366000
6	-0.333361000	4.479756000	-1.126878000
6	0.820675000	5.261372000	-1.781278000
6	-1.416047000	4.175094000	-2.172041000
6	-0.936055000	5.278176000	0.043758000
6	0.235905000	-0.347128000	-0.531128000
8	0.151087000	-1.181234000	-1.430067000
6	-0.833734000	-0.306023000	0.491967000
6	-1.303454000	-0.100122000	1.625951000
6	-1.963835000	-0.029015000	2.908872000
6	2.199405000	0.583175000	-1.598184000
6	3.460442000	-0.218165000	-1.362023000
6	3.450735000	-1.614474000	-1.473819000
6	4.602438000	-2.367829000	-1.241988000
6	5.797981000	-1.722389000	-0.893520000
6	5.823260000	-0.324055000	-0.785737000
6	4.667771000	0.412789000	-1.021084000
8	6.977356000	-2.356075000	-0.646315000
6	7.024225000	-3.770754000	-0.768337000
1	0.255286000	3.031533000	2.809769000
1	0.504397000	1.823953000	5.225712000
1	1.751196000	-0.550794000	4.741858000
1	2.876565000	-1.616544000	2.918879000
1	1.689300000	-1.713733000	1.602476000
1	3.157295000	-0.729158000	1.411319000
1	2.667992000	1.595726000	0.595230000
1	-0.310637000	2.340498000	-0.975873000
1	0.449439000	6.218669000	-2.160732000
1	1.616694000	5.455046000	-1.060921000
1	1.234935000	4.699909000	-2.625250000
1	-1.813429000	5.110666000	-2.575281000
1	-2.247131000	3.612761000	-1.735540000
1	-1.009139000	3.594581000	-3.007129000
1	-1.325781000	6.234910000	-0.318569000
1	-1.763818000	4.725783000	0.500381000
1	-0.178719000	5.477458000	0.804372000
1	-2.700688000	0.779521000	2.935895000
1	-2.446901000	-0.989615000	3.118281000
1	-1.201297000	0.160960000	3.676866000
1	2.442947000	1.632996000	-1.785775000
1	1.653068000	0.200047000	-2.459944000
1	2.527062000	-2.117235000	-1.744528000
1	4.559423000	-3.445770000	-1.343188000
1	6.759201000	0.159904000	-0.527166000
1	4.709774000	1.497553000	-0.952648000
1	8.050904000	-4.057806000	-0.537385000

1	6.344694000	-4.261131000	-0.059753000
1	6.778266000	-4.096967000	-1.786558000
17	-3.052727000	0.846290000	-1.328363000
17	-2.320718000	-3.171088000	0.990795000
79	-2.702714000	-1.203158000	-0.227110000
17	-4.511334000	-2.167123000	-1.314379000
s1b			
6	0.652265000	0.953239000	1.886765000
6	0.612616000	1.909237000	3.045803000
6	1.463154000	1.510364000	4.022890000
6	2.074152000	0.294507000	3.581844000
7	1.655368000	-0.059830000	2.393810000
6	1.997052000	-1.317469000	1.722122000
6	1.196279000	1.664990000	0.600668000
7	1.168549000	0.791557000	-0.546313000
6	0.464253000	3.039298000	0.400339000
8	0.656019000	3.920048000	1.242286000
7	-0.280195000	3.153970000	-0.708855000
6	-1.100887000	4.339446000	-1.094273000
6	-0.194714000	5.575882000	-1.218963000
6	-1.725197000	3.996146000	-2.455226000
6	-2.202552000	4.560811000	-0.042518000
6	0.189587000	-0.177801000	-0.720879000
8	0.191542000	-0.900981000	-1.710497000
6	-0.839762000	-0.286422000	0.355232000
6	-0.675840000	0.236027000	1.581984000
6	-1.640442000	0.081338000	2.727557000
6	2.184565000	0.992879000	-1.604608000
6	3.481562000	0.254382000	-1.356076000
6	3.586050000	-1.111354000	-1.652615000
6	4.767498000	-1.816873000	-1.415255000
6	5.877363000	-1.152450000	-0.873834000
6	5.788022000	0.216673000	-0.578901000
6	4.604746000	0.905309000	-0.821332000
8	7.075600000	-1.738931000	-0.602768000
6	7.245630000	-3.112083000	-0.929136000
1	-0.015339000	2.785310000	3.048197000
1	1.656190000	1.989768000	4.971944000
1	2.787412000	-0.318856000	4.122664000
1	2.653746000	-1.886637000	2.381328000
1	1.083652000	-1.888559000	1.525887000
1	2.509797000	-1.111469000	0.781394000
1	2.236519000	1.943902000	0.802539000
1	-0.435441000	2.310448000	-1.245704000
1	-0.791853000	6.435059000	-1.539582000
1	0.277538000	5.815166000	-0.264748000
1	0.587677000	5.408706000	-1.966569000
1	-2.354888000	4.823726000	-2.792534000
1	-2.349944000	3.099352000	-2.389130000
1	-0.952028000	3.830488000	-3.213584000
1	-2.829874000	5.409057000	-0.333999000
1	-2.838353000	3.673972000	0.036410000

1	-1.765200000	4.777882000	0.934854000
1	-2.050214000	1.051459000	3.034514000
1	-2.471396000	-0.565583000	2.447598000
1	-1.150495000	-0.359962000	3.604509000
1	2.364402000	2.069742000	-1.687544000
1	1.723530000	0.650917000	-2.532489000
1	2.727768000	-1.627709000	-2.073528000
1	4.813695000	-2.870464000	-1.663841000
1	6.661792000	0.717668000	-0.175169000
1	4.561342000	1.971808000	-0.609903000
1	8.270367000	-3.361561000	-0.651132000
1	6.553411000	-3.750972000	-0.366240000
1	7.107962000	-3.291245000	-2.002490000
17	-3.334024000	0.523962000	-1.182231000
17	-1.391452000	-3.217784000	0.927535000
79	-2.444283000	-1.418480000	-0.182748000
17	-4.303766000	-2.744349000	-0.811114000

Tsbs2

6	-1.423542000	-1.506400000	0.933630000
6	-1.165354000	-2.731554000	0.179294000
6	-1.598507000	-3.826811000	1.046323000
6	-1.967619000	-3.275185000	2.230107000
7	-1.865954000	-1.891639000	2.186939000
6	-2.052264000	-0.995520000	3.332630000
6	-1.820914000	-0.161892000	0.361030000
7	-1.231188000	0.071161000	-0.950186000
6	-3.389149000	-0.216348000	0.296209000
8	-4.046257000	0.280366000	1.206338000
7	-3.890484000	-0.899630000	-0.756373000
6	-5.331480000	-1.162268000	-1.022436000
6	-6.087536000	0.167614000	-1.192525000
6	-5.384140000	-1.975245000	-2.324580000
6	-5.922626000	-1.980529000	0.139297000
6	0.047357000	-0.378043000	-1.285924000
8	0.552469000	-0.120063000	-2.369616000
6	0.811523000	-1.128415000	-0.244275000
6	0.267229000	-2.022648000	0.631276000
6	1.080021000	-2.639856000	1.741941000
6	-1.707151000	1.287524000	-1.683448000
6	-1.362842000	2.590007000	-0.996410000
6	-0.086379000	3.148934000	-1.130042000
6	0.252532000	4.341952000	-0.492784000
6	-0.698704000	5.001600000	0.296990000
6	-1.984760000	4.457067000	0.433295000
6	-2.306587000	3.266299000	-0.206113000
8	-0.475759000	6.167254000	0.964081000
6	0.821347000	6.744988000	0.894169000
1	-1.234182000	-2.786602000	-0.899626000
1	-1.564591000	-4.877908000	0.802747000
1	-2.276947000	-3.754715000	3.149310000
1	-1.105151000	-0.513766000	3.593684000
1	-2.805608000	-0.242715000	3.095650000

1	-2.391105000	-1.592933000	4.179713000
1	-1.583285000	0.650485000	1.057652000
1	-3.226943000	-1.164445000	-1.472899000
1	-7.143058000	-0.028596000	-1.405308000
1	-6.022590000	0.767003000	-0.282653000
1	-5.675388000	0.745544000	-2.026144000
1	-6.421563000	-2.208132000	-2.577839000
1	-4.842718000	-2.922480000	-2.223865000
1	-4.954203000	-1.414287000	-3.162052000
1	-6.971694000	-2.214788000	-0.066123000
1	-5.378529000	-2.922589000	0.263062000
1	-5.868529000	-1.417856000	1.073021000
1	1.806591000	-3.327752000	1.297881000
1	1.630671000	-1.861408000	2.275092000
1	0.476982000	-3.199413000	2.454950000
1	-2.788090000	1.198593000	-1.812082000
1	-1.241476000	1.222167000	-2.665972000
1	0.661201000	2.644914000	-1.734890000
1	1.253566000	4.737329000	-0.612466000
1	-2.709669000	4.983881000	1.045006000
1	-3.305744000	2.854913000	-0.084272000
1	0.781701000	7.645504000	1.508670000
1	1.586466000	6.067147000	1.291807000
1	1.085087000	7.021502000	-0.134394000
79	2.784071000	-0.654835000	-0.176322000
17	2.144367000	1.192264000	1.153300000
17	3.202161000	-2.636559000	-1.370353000
17	5.066072000	-0.083233000	-0.100197000

Tsbs3

6	1.199824000	1.013383000	2.074083000
6	0.306019000	1.527214000	3.027642000
6	0.494637000	0.789073000	4.232157000
6	1.453517000	-0.153920000	3.970660000
7	1.885747000	-0.014566000	2.662760000
6	2.879610000	-0.889828000	2.044644000
6	1.469672000	1.499750000	0.675610000
7	1.194875000	0.504258000	-0.366116000
6	0.861824000	2.920417000	0.453648000
8	1.218696000	3.811262000	1.221346000
7	0.041703000	3.071483000	-0.606589000
6	-0.569437000	4.366541000	-1.023907000
6	0.543265000	5.389844000	-1.315372000
6	-1.367121000	4.085374000	-2.305439000
6	-1.507345000	4.882930000	0.082692000
6	0.261581000	-0.500088000	-0.285568000
8	0.316663000	-1.498335000	-0.995889000
6	-0.922475000	-0.296966000	0.603285000
6	-1.295645000	0.247539000	1.696069000
6	-2.358431000	0.501262000	2.678323000
6	2.099961000	0.503618000	-1.546269000
6	3.449168000	-0.144741000	-1.333091000
6	3.592215000	-1.536893000	-1.384736000

6	4.829824000	-2.146518000	-1.173601000
6	5.958784000	-1.357896000	-0.906076000
6	5.831763000	0.038717000	-0.862025000
6	4.592185000	0.630898000	-1.079751000
8	7.209744000	-1.845620000	-0.683620000
6	7.412175000	-3.250349000	-0.758600000
1	-0.238164000	2.450924000	2.906458000
1	-0.009230000	0.944235000	5.174842000
1	1.873318000	-0.926425000	4.598353000
1	3.406169000	-1.418749000	2.839858000
1	2.409123000	-1.618118000	1.380070000
1	3.602958000	-0.306735000	1.473637000
1	2.550202000	1.688377000	0.618902000
1	-0.291026000	2.234243000	-1.071758000
1	0.096612000	6.329550000	-1.655135000
1	1.138279000	5.587922000	-0.422701000
1	1.205047000	5.023566000	-2.107241000
1	-1.819621000	5.012769000	-2.667293000
1	-2.168242000	3.361944000	-2.128199000
1	-0.718519000	3.695768000	-3.097423000
1	-1.977195000	5.819916000	-0.232942000
1	-2.301795000	4.156390000	0.281844000
1	-0.950167000	5.067561000	1.003342000
1	-2.559156000	1.569479000	2.792973000
1	-3.265344000	0.007210000	2.312669000
1	-2.107879000	0.070630000	3.649355000
1	2.227792000	1.553247000	-1.830627000
1	1.552722000	-0.000006000	-2.344048000
1	2.718719000	-2.149633000	-1.586376000
1	4.904566000	-3.226148000	-1.227796000
1	6.717962000	0.634894000	-0.671201000
1	4.517366000	1.716268000	-1.068409000
1	8.473254000	-3.411030000	-0.563826000
1	6.821905000	-3.785470000	-0.003952000
1	7.163530000	-3.641106000	-1.753014000
79	-2.623222000	-1.218610000	-0.309726000
17	-4.389441000	-2.238476000	-1.454853000
17	-2.649598000	-2.879255000	1.340968000
17	-2.540326000	0.555723000	-1.867491000

s2b

6	1.495489000	0.924705000	1.754099000
6	0.313478000	0.617447000	2.600000000
6	0.906964000	-0.188397000	3.721519000
6	2.230753000	-0.241553000	3.541617000
7	2.574259000	0.452956000	2.333841000
6	3.967928000	0.550955000	1.890869000
6	1.376718000	1.530331000	0.383121000
7	1.096528000	0.459964000	-0.560977000
6	0.444913000	2.770028000	0.484425000
8	0.626894000	3.471546000	1.485304000
7	-0.367908000	3.012516000	-0.550777000
6	-1.263413000	4.204237000	-0.663848000

6	-1.893847000	4.149995000	-2.063586000
6	-2.355316000	4.130622000	0.418848000
6	-0.429434000	5.489524000	-0.522604000
6	0.264963000	-0.634412000	-0.264413000
8	0.427673000	-1.688738000	-0.866281000
6	-0.903910000	-0.443840000	0.650076000
6	-0.933779000	0.086423000	1.883307000
6	-2.173458000	0.229557000	2.732014000
6	1.964669000	0.357718000	-1.757793000
6	3.380225000	-0.117946000	-1.504934000
6	3.640084000	-1.446744000	-1.142239000
6	4.943935000	-1.893605000	-0.914498000
6	6.021788000	-1.004748000	-1.053632000
6	5.775193000	0.326611000	-1.422030000
6	4.470516000	0.754936000	-1.648108000
8	7.327998000	-1.333893000	-0.859747000
6	7.649086000	-2.685915000	-0.558592000
1	0.035225000	1.607176000	3.011661000
1	0.347822000	-0.615493000	4.541233000
1	3.021654000	-0.691752000	4.123946000
1	4.278491000	-0.399456000	1.450443000
1	4.073346000	1.334003000	1.144809000
1	4.587264000	0.785636000	2.758225000
1	2.343580000	1.956226000	0.097097000
1	-0.598691000	2.217488000	-1.145486000
1	-2.540321000	5.020462000	-2.206101000
1	-1.123731000	4.169928000	-2.842152000
1	-2.500488000	3.249966000	-2.194194000
1	-3.035072000	4.983613000	0.324613000
1	-1.909831000	4.155874000	1.416493000
1	-2.940463000	3.212715000	0.309406000
1	-1.080413000	6.358273000	-0.660889000
1	0.038253000	5.556030000	0.460434000
1	0.351849000	5.527759000	-1.288998000
1	-2.324637000	1.281108000	3.009734000
1	-3.060374000	-0.126444000	2.211379000
1	-2.089043000	-0.347772000	3.661033000
1	1.983190000	1.351077000	-2.219235000
1	1.445090000	-0.321379000	-2.434995000
1	2.806953000	-2.136765000	-1.047756000
1	5.109054000	-2.932130000	-0.652301000
1	6.620195000	0.996544000	-1.543049000
1	4.299540000	1.783336000	-1.960282000
1	8.735725000	-2.724024000	-0.474042000
1	7.202132000	-3.006424000	0.391236000
1	7.323558000	-3.364763000	-1.356070000
17	-2.622971000	-2.932244000	1.348313000
17	-2.388333000	0.504400000	-1.874725000
79	-2.573010000	-1.235641000	-0.266204000
17	-4.498934000	-2.109219000	-1.341037000
Tsbs4			
6	1.723606000	0.769492000	1.515078000

6	0.642585000	0.384425000	2.371788000
6	1.277063000	0.017518000	3.635818000
6	2.607398000	0.254618000	3.501562000
7	2.869329000	0.733855000	2.209862000
6	4.174702000	1.247704000	1.791004000
6	1.414662000	1.381052000	0.188735000
7	1.056131000	0.375068000	-0.798186000
6	0.315280000	2.483351000	0.453896000
8	0.170473000	2.904481000	1.630126000
7	-0.304552000	2.961928000	-0.610396000
6	-1.290497000	4.094527000	-0.627783000
6	-0.592604000	5.362534000	-0.108002000
6	-1.693725000	4.274210000	-2.098770000
6	-2.519489000	3.742242000	0.227010000
6	0.227283000	-0.708981000	-0.450239000
8	0.316750000	-1.760772000	-1.069682000
6	-0.842925000	-0.504253000	0.577181000
6	-0.690341000	-0.066057000	1.845069000
6	-1.806443000	0.049581000	2.854661000
6	1.950565000	0.208075000	-1.964616000
6	3.362273000	-0.237060000	-1.641055000
6	3.613012000	-1.499286000	-1.085486000
6	4.912473000	-1.916618000	-0.793832000
6	5.997091000	-1.069073000	-1.065807000
6	5.761670000	0.194003000	-1.628792000
6	4.459206000	0.596779000	-1.911363000
8	7.301360000	-1.375679000	-0.822815000
6	7.611589000	-2.672107000	-0.328896000
1	0.479452000	1.669326000	2.358057000
1	0.779087000	-0.383294000	4.506031000
1	3.422258000	0.139643000	4.201519000
1	4.950109000	0.683530000	2.310720000
1	4.305223000	1.105643000	0.718412000
1	4.269864000	2.307288000	2.045902000
1	2.282329000	1.923638000	-0.198614000
1	-0.298095000	2.351551000	-1.423489000
1	-1.288108000	6.205077000	-0.163239000
1	-0.279077000	5.246677000	0.931576000
1	0.283709000	5.606042000	-0.717939000
1	-2.397890000	5.105672000	-2.185072000
1	-2.184266000	3.375498000	-2.483887000
1	-0.823581000	4.503283000	-2.724085000
1	-3.245541000	4.559125000	0.166724000
1	-2.991221000	2.828095000	-0.140619000
1	-2.242089000	3.607893000	1.274474000
1	-1.798272000	1.042504000	3.321568000
1	-2.780699000	-0.116675000	2.398264000
1	-1.692463000	-0.696253000	3.650136000
1	1.981431000	1.164916000	-2.498611000
1	1.451660000	-0.521091000	-2.604732000
1	2.777870000	-2.166714000	-0.894740000
1	5.068248000	-2.902938000	-0.373070000

1	6.611913000	0.831539000	-1.848419000
1	4.295117000	1.570606000	-2.368572000
1	8.698310000	-2.707869000	-0.243054000
1	7.166238000	-2.847321000	0.658840000
1	7.276530000	-3.456666000	-1.018114000
17	-2.495463000	0.562053000	-1.818187000
17	-2.642972000	-2.910314000	1.373344000
79	-2.633526000	-1.173763000	-0.196310000
17	-4.706923000	-1.902426000	-1.096359000

S3b

6	1.608120000	1.143087000	1.055869000
6	0.665286000	0.821733000	2.023602000
6	1.301616000	0.993292000	3.287288000
6	2.602352000	1.377284000	3.039314000
7	2.796061000	1.478032000	1.680287000
6	4.065461000	1.789693000	1.038658000
6	1.341323000	1.096618000	-0.417419000
7	1.010675000	-0.229772000	-0.911043000
6	0.276475000	2.146542000	-0.822566000
8	-0.530202000	1.977385000	-1.811530000
7	0.315949000	3.319011000	-0.234026000
6	-0.552835000	4.523757000	-0.475381000
6	-2.026540000	4.156603000	-0.232009000
6	-0.085436000	5.569232000	0.548585000
6	-0.327559000	5.038501000	-1.906554000
6	0.145753000	-1.065218000	-0.191629000
8	0.188820000	-2.278614000	-0.346742000
6	-0.926431000	-0.411597000	0.626822000
6	-0.709548000	0.405263000	1.686620000
6	-1.793738000	0.934418000	2.595547000
6	1.894693000	-0.838506000	-1.925345000
6	3.310719000	-1.104133000	-1.456870000
6	3.564841000	-2.009229000	-0.418037000
6	4.865272000	-2.262360000	0.019214000
6	5.947070000	-1.609716000	-0.591408000
6	5.707504000	-0.705814000	-1.636535000
6	4.403238000	-0.461865000	-2.058338000
8	7.253694000	-1.785378000	-0.246462000
6	7.562995000	-2.729265000	0.769673000
1	-0.886834000	1.024571000	-1.961676000
1	0.865370000	0.824688000	4.261146000
1	3.414053000	1.586432000	3.721136000
1	4.785094000	2.063564000	1.811332000
1	4.451946000	0.931528000	0.482230000
1	3.965480000	2.640515000	0.355542000
1	2.239396000	1.413095000	-0.963451000
1	0.949336000	3.361230000	0.558563000
1	-2.640708000	5.054528000	-0.346766000
1	-2.380592000	3.408860000	-0.943025000
1	-2.171341000	3.771528000	0.781441000
1	-0.674852000	6.481936000	0.435184000
1	0.968177000	5.831071000	0.400973000

1	-0.220849000	5.210252000	1.574623000
1	-0.917476000	5.947074000	-2.057312000
1	0.725467000	5.286299000	-2.073710000
1	-0.640666000	4.303640000	-2.649915000
1	-1.654596000	2.008725000	2.768750000
1	-2.790539000	0.757741000	2.193885000
1	-1.746820000	0.440203000	3.572762000
1	1.909719000	-0.175721000	-2.798479000
1	1.400778000	-1.767569000	-2.215289000
1	2.731462000	-2.529011000	0.045452000
1	5.024311000	-2.973130000	0.821335000
1	6.555608000	-0.218949000	-2.106967000
1	4.234510000	0.229416000	-2.881709000
1	8.649684000	-2.722609000	0.864527000
1	7.115373000	-2.450251000	1.732190000
1	7.229950000	-3.738620000	0.498394000
17	-3.109388000	-2.108496000	2.059999000
17	-2.282963000	-0.258229000	-2.215285000
79	-2.751855000	-1.131057000	-0.017085000
17	-4.860296000	-1.910655000	-0.809107000

Tsbs5

6	1.659027000	0.665679000	1.432123000
6	0.695892000	0.008095000	2.202428000
6	1.302538000	-0.281189000	3.465158000
6	2.593418000	0.176693000	3.407540000
7	2.804861000	0.766414000	2.174278000
6	4.057628000	1.393498000	1.771109000
6	1.498325000	1.219039000	0.035865000
7	1.058256000	0.199707000	-0.912482000
6	0.548761000	2.434667000	0.008233000
8	-0.685256000	2.304905000	0.220864000
7	1.084670000	3.627766000	-0.249253000
6	0.356228000	4.934824000	-0.366398000
6	1.436068000	5.979756000	-0.685747000
6	-0.666070000	4.851910000	-1.513306000
6	-0.327797000	5.266098000	0.970352000
6	-0.012878000	-0.653648000	-0.666558000
8	-0.196294000	-1.628814000	-1.379590000
6	-1.017929000	-0.300933000	0.421806000
6	-0.664775000	-0.253024000	1.774234000
6	-1.710757000	-0.339171000	2.845031000
6	1.940551000	-0.088036000	-2.060114000
6	3.253691000	-0.734840000	-1.673200000
6	3.276762000	-2.020593000	-1.117673000
6	4.475845000	-2.626572000	-0.743835000
6	5.688875000	-1.945315000	-0.925452000
6	5.682036000	-0.660722000	-1.488069000
6	4.475494000	-0.070334000	-1.856098000
8	6.913602000	-2.440346000	-0.594103000
6	6.989525000	-3.756772000	-0.062953000
1	-1.030535000	1.058980000	0.363836000
1	0.849855000	-0.808368000	4.291756000

1	3.390664000	0.134270000	4.134585000
1	4.444048000	0.940412000	0.853842000
1	3.930836000	2.471759000	1.626695000
1	4.789389000	1.241735000	2.564952000
1	2.480724000	1.548892000	-0.310594000
1	2.077768000	3.653613000	-0.433755000
1	0.975851000	6.965289000	-0.787573000
1	2.182918000	6.041610000	0.114156000
1	1.945005000	5.752944000	-1.629565000
1	-1.165577000	5.819230000	-1.622226000
1	-1.425394000	4.092524000	-1.319465000
1	-0.169670000	4.617359000	-2.460141000
1	-0.814215000	6.243037000	0.895283000
1	-1.087489000	4.523380000	1.217738000
1	0.403783000	5.311016000	1.783665000
1	-1.398961000	0.152780000	3.768157000
1	-2.654523000	0.086700000	2.493511000
1	-1.920031000	-1.399529000	3.035460000
1	2.124466000	0.852026000	-2.594347000
1	1.358932000	-0.740425000	-2.713479000
1	2.341813000	-2.557454000	-0.983932000
1	4.454978000	-3.624966000	-0.323491000
1	6.630323000	-0.155314000	-1.639863000
1	4.488018000	0.916991000	-2.314500000
1	8.048998000	-3.949017000	0.111189000
1	6.446194000	-3.842007000	0.886611000
1	6.598439000	-4.499910000	-0.768617000
17	-2.511941000	-3.003680000	0.947619000
17	-3.256698000	1.091724000	-1.267829000
79	-2.916539000	-0.964484000	-0.159757000
17	-5.052755000	-1.728699000	-0.840441000

s4b

6	1.128688000	0.746765000	1.134372000
6	-0.149094000	1.094623000	1.607889000
6	-0.086614000	1.060367000	3.043452000
6	1.178576000	0.673791000	3.377809000
7	1.921872000	0.503492000	2.211194000
6	3.319077000	0.072019000	2.180382000
6	1.638543000	0.845148000	-0.268944000
7	0.894466000	0.035089000	-1.214922000
6	1.785992000	2.323306000	-0.789449000
8	1.567247000	2.574157000	-1.965923000
7	2.246403000	3.214671000	0.126185000
6	2.521704000	4.653649000	-0.135925000
6	1.230014000	5.366124000	-0.577527000
6	3.025206000	5.241931000	1.190678000
6	3.609936000	4.781661000	-1.216425000
6	-0.436915000	0.225467000	-1.504523000
8	-0.947810000	-0.241362000	-2.517727000
6	-1.374395000	0.988266000	-0.578572000
6	-1.239152000	1.440062000	0.764046000
6	-2.296338000	2.355457000	1.326021000

6	1.703798000	-0.703758000	-2.209388000
6	2.700467000	-1.635508000	-1.554522000
6	2.271760000	-2.656532000	-0.696556000
6	3.181484000	-3.524573000	-0.089375000
6	4.554506000	-3.383559000	-0.342323000
6	4.997374000	-2.365809000	-1.199016000
6	4.077453000	-1.506184000	-1.792100000
8	5.526967000	-4.174751000	0.193986000
6	5.133200000	-5.256590000	1.025820000
1	-2.062518000	1.567341000	-1.189639000
1	-0.900333000	1.229932000	3.732448000
1	1.626813000	0.476804000	4.340081000
1	3.639645000	-0.123333000	3.203768000
1	3.421396000	-0.845171000	1.595142000
1	3.961994000	0.848552000	1.755527000
1	2.655756000	0.442286000	-0.280917000
1	2.252035000	2.924645000	1.093736000
1	1.428996000	6.427364000	-0.757891000
1	0.842610000	4.923858000	-1.497089000
1	0.461736000	5.292725000	0.199741000
1	3.250190000	6.304476000	1.067686000
1	3.940690000	4.740640000	1.524173000
1	2.268636000	5.151460000	1.979123000
1	3.834731000	5.838041000	-1.394174000
1	4.531630000	4.284720000	-0.896565000
1	3.276593000	4.333378000	-2.153659000
1	-1.852611000	3.349635000	1.463897000
1	-3.163128000	2.434828000	0.671041000
1	-2.630341000	2.015843000	2.310862000
1	2.215449000	0.017067000	-2.858089000
1	0.988044000	-1.247759000	-2.826501000
1	1.210801000	-2.773070000	-0.492349000
1	2.810672000	-4.307400000	0.561741000
1	6.061896000	-2.272375000	-1.387746000
1	4.434565000	-0.725444000	-2.459883000
1	6.054858000	-5.761098000	1.319255000
1	4.611399000	-4.907423000	1.926314000
1	4.488095000	-5.964372000	0.490723000
17	-1.235385000	-2.005387000	0.884010000
17	-4.561365000	0.783056000	-0.913406000
79	-2.893956000	-0.629354000	-0.052170000
17	-4.467946000	-2.337141000	0.227387000