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Supporting Information

DFT Study of Rhodium-Catalyzed Transformation of Silacyclobutane with Alkyne or H_2O: Si−Cl Bond Reductive Elimination vs Alkyne Insertion †

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Table of Content

P_{S2}. Various possible transition states starting from intermediate **INT2a**.

P_{S3}. Various possible transition states starting from intermediate **INT7a**.

$P_{S4.}$ The energies of alkyne insertion transition states **TS2b** (one PPh_3-coordinated) and **TS6b** (two PPh_3-coordinated).

$P_{S5.}$ The energies of various possible Si−Cl bond reductive elimination transition states **TS4b**/**TS7b**/**TS8b** and alkyne insertion transition state **TS2b**.

$P_{S6.}$ Free energy profile for the generation of [Rh]−H species **CAT1** via C−Si bond activation, Si−Cl bond reductive elimination and *β*-hydride elimination in THF solvent.

$P_{S7.}$ The C−H bond oxidative addition and reductive elimination pathways at *α* site of silanol product **6**.

$P_{S8.}$ Optimized structures of key intermediates and transition states of the newly proposed Rh/BINAP- catalyzed C(sp)−H/O−H silylation pathway.

$P_{S9.}$ B3LYP-D3(BJ) and M06 calculated absolute energies of all structures.

$P_{S12.}$ Cartesian coordinates for DFT-optimized structures for all the optimized compounds and transition state.

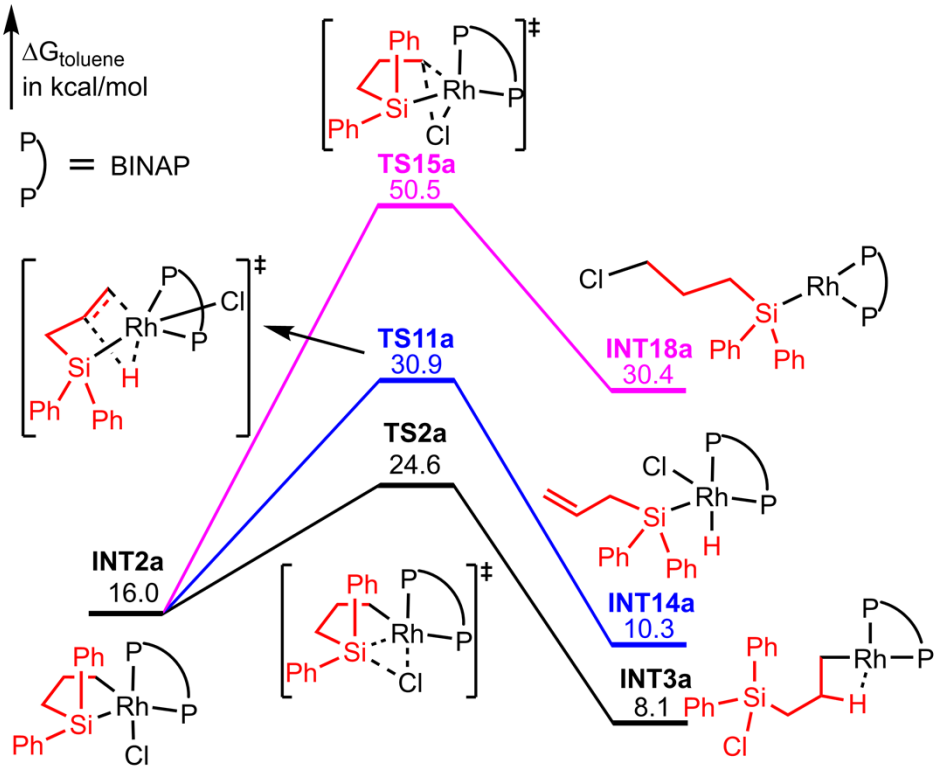

Fig. S1 Various possible transition states starting from intermediate **INT2a**.

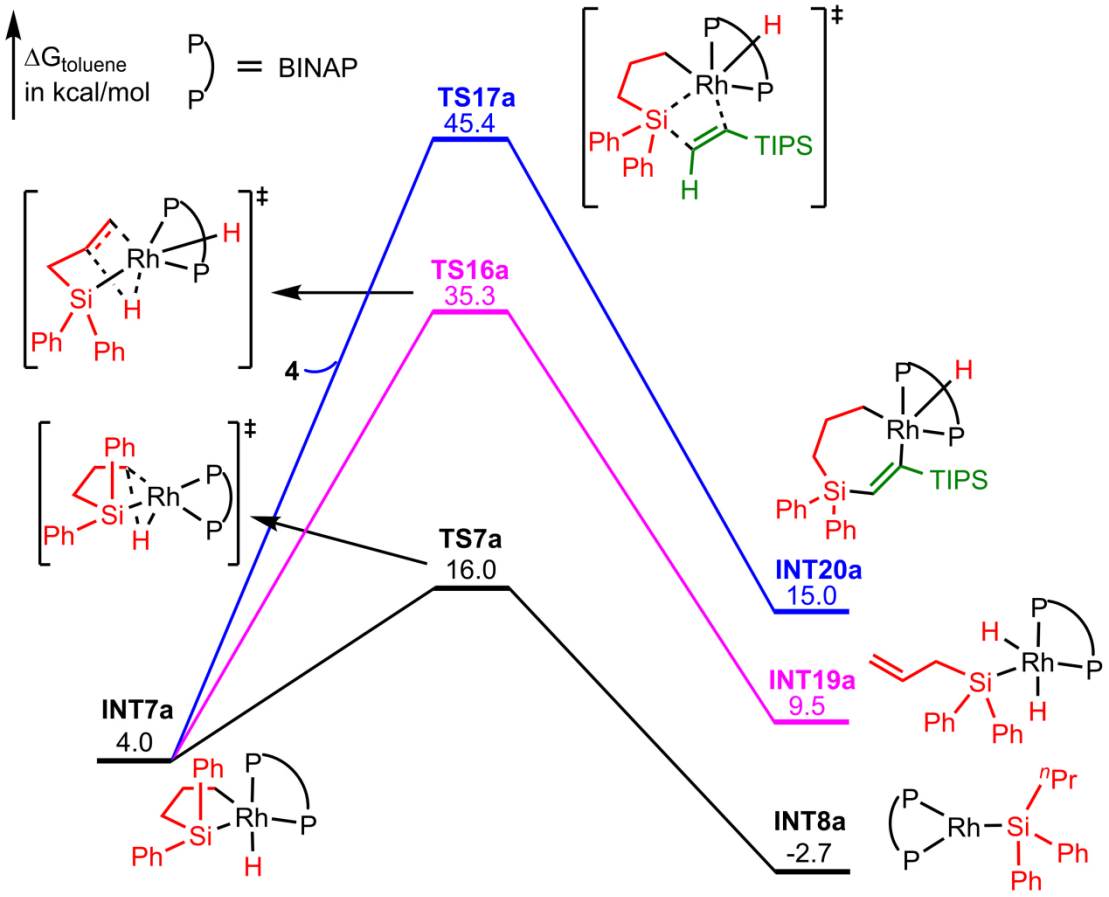

Fig. S2 Various possible transition states starting from intermediate **INT7a**.

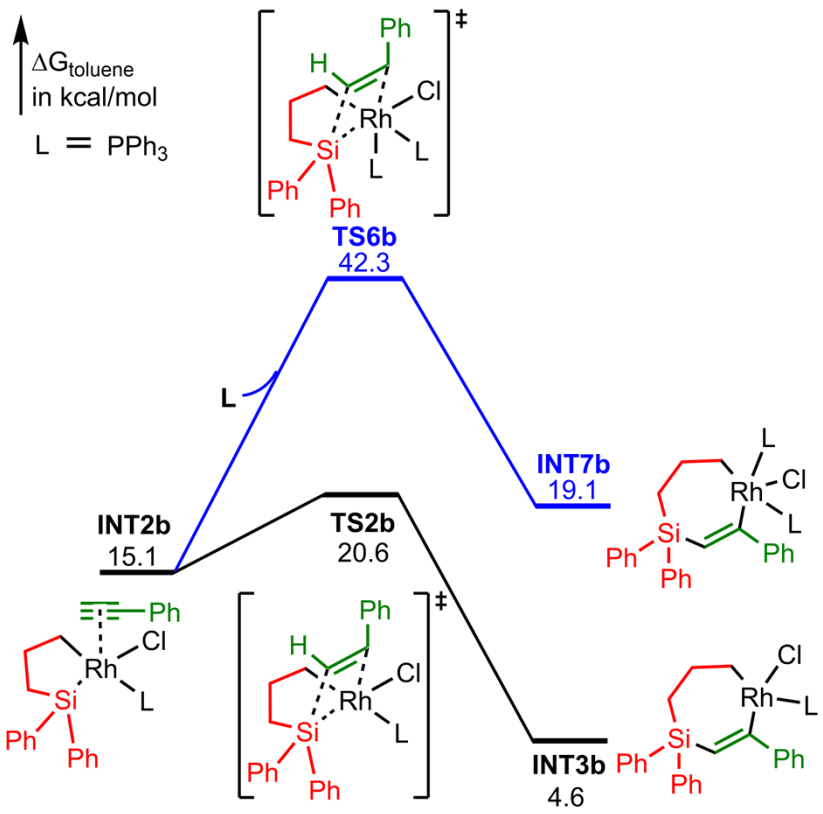

Fig. S3 The energies of alkyne insertion transition states **TS2b** (one PPh_3-coordinated) and **TS6b** (two PPh_3-coordinated).

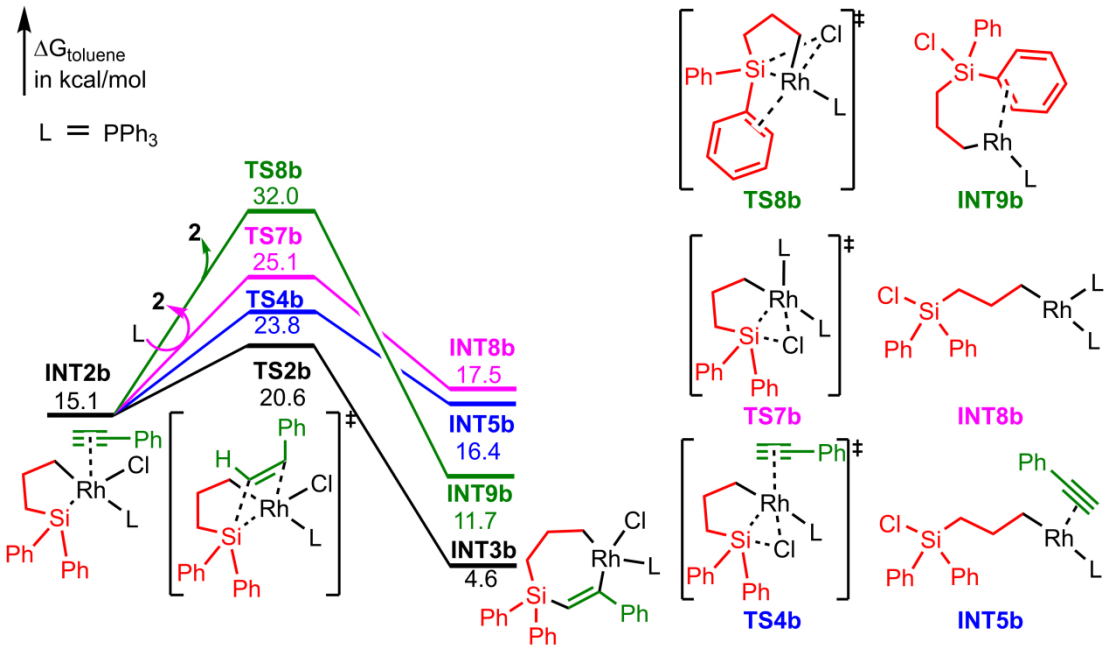

Fig. S4 The energies of various possible Si−Cl bond reductive elimination transition states **TS4b**/**TS7b**/**TS8b** and alkyne insertion transition state **TS2b**.

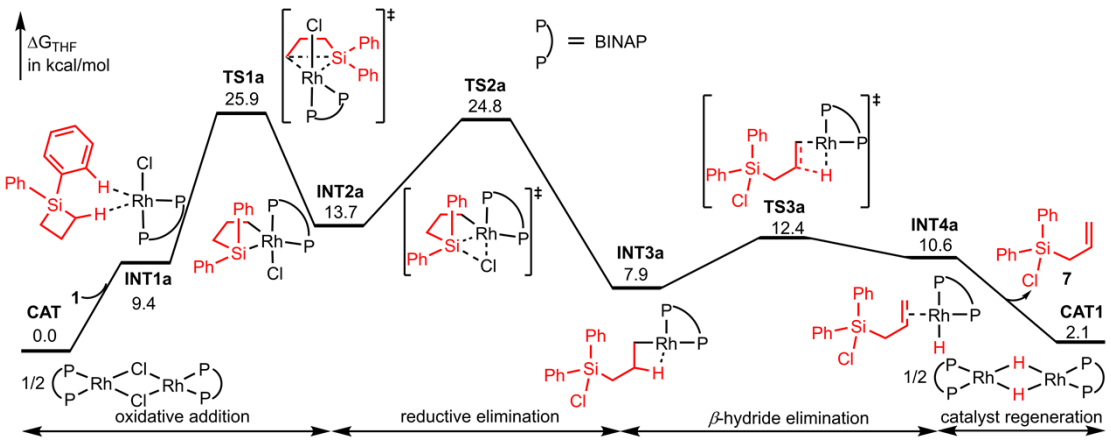

Fig. S5 Free energy profile for the generation of [Rh]−H species **CAT1** via C−Si activation, Si−Cl bond reductive elimination and *β*-hydride elimination in THF solvent.

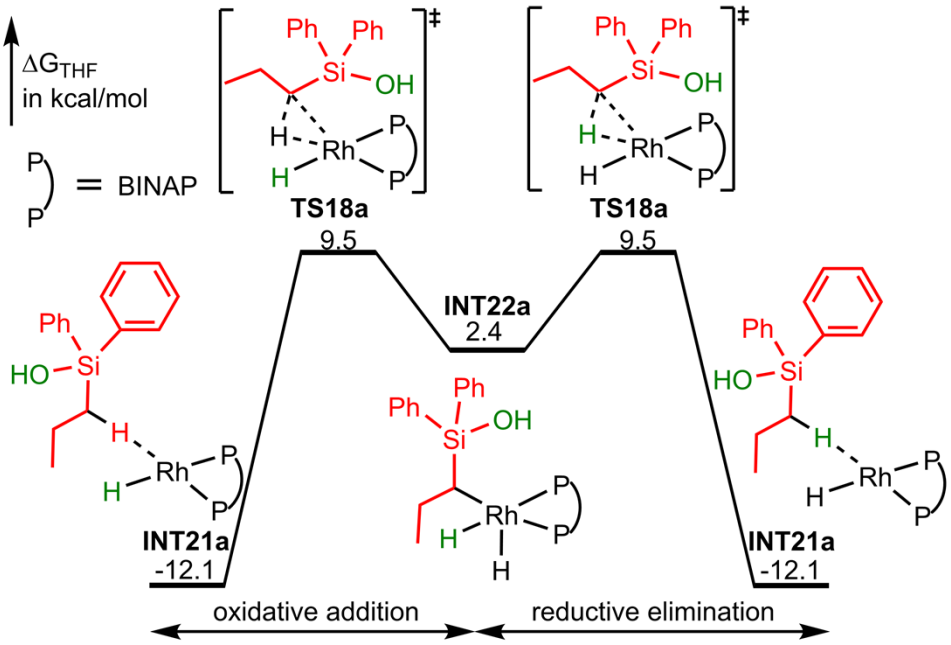

Fig. S6 The C(sp^3)−H bond oxidative addition and reductive elimination pathways at *α* site of silanol product **6**.

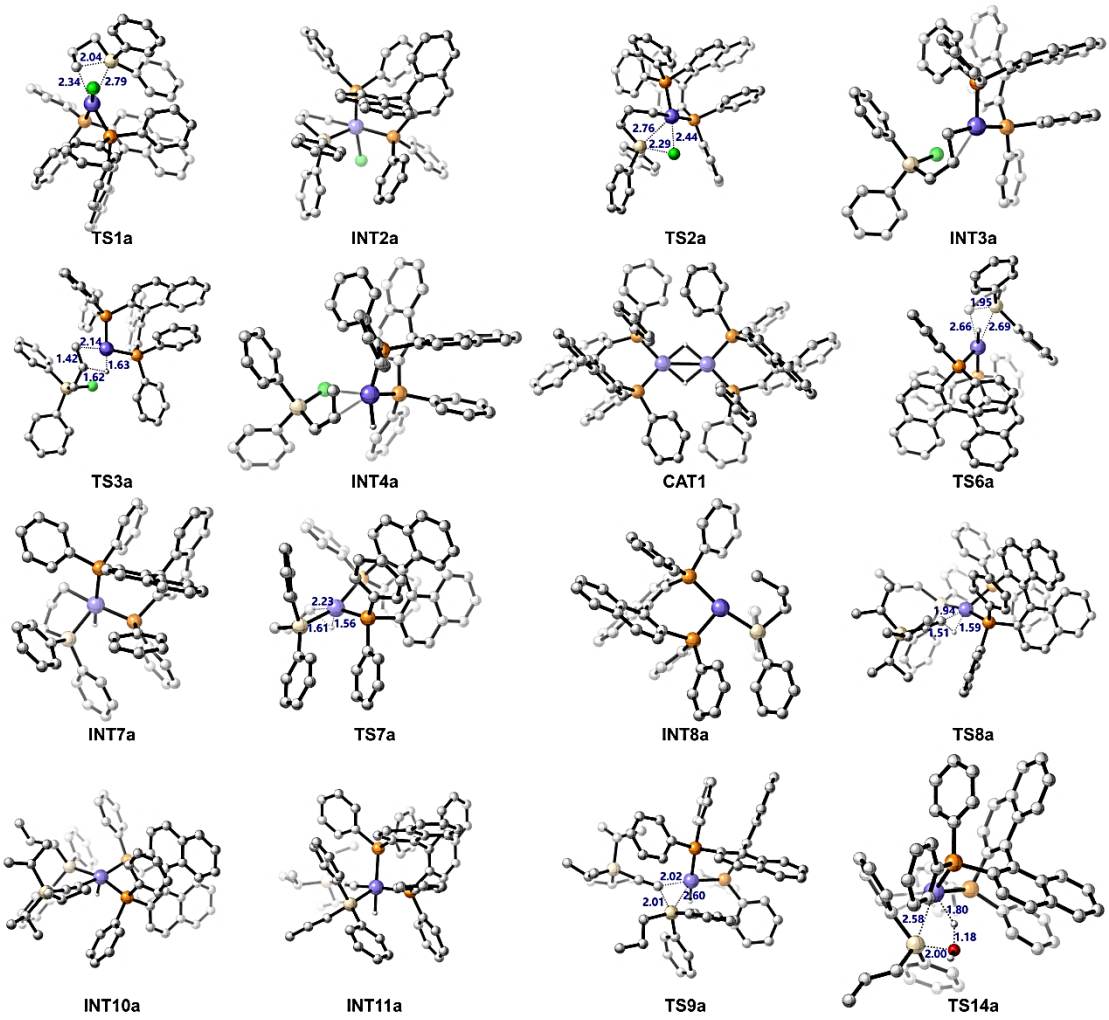

Fig. S7. Optimized structures of key intermediates and transition states of the newly proposed Rh/BINAP-catalyzed C(sp)−H/O−H silylation pathway.

2. SMD(toluene or tetrahydrofuran)/M06/6-311++G(d,p)//B3LYP-D3(BJ)/6-31G(d) (SDD basis set for Rh atom) calculated absolute energies of all structures.

Table S1. SMD(toluene or tetrahydrofuran)/M06/6-311++G(d,p)//B3LYP-D3(BJ)/6-31G(d) (SDD basis set for Rh atom) calculated absolute energies of all structures. Values are given in Hartree.

Geometry	$E_{(elec\text{-}B3\text{-}LYP\text{-}D3BJ)}$[1]	$H_{(corr\text{-}B3\text{-}LYP\text{-}D3BJ)}$[2]	$G_{(corr\text{-}B3\text{-}LYP\text{-}D3BJ)}$[3]	$E_{(solv\text{-}M06)}$[4]	IF[5]
1	-870.786028	0.281894	0.22295	-870.406676	
2	-308.41145	0.117056	0.07919	-308.23117	
3	-1179.305608	0.405075	0.330565	-1178.729189	
4	-721.938251	0.322845	0.261119	-721.644045	
5	-1592.795739	0.609437	0.505131	-1592.106828	
6	-947.286916	0.310663	0.245576	-946.902969	
7	-1330.436103	0.273863	0.208792	-1330.057542	
CAT	-5899.701428	1.341115	1.142714	-5897.331079	
CAT1	-4980.373661	1.348845	1.154742	-4978.004804	
CAT2	-3680.116959	0.887396	0.742052	-3678.675966	
CAT3	-4368.124243	1.196303	1.009549	-4366.16034	
H_2O	-76.407598	0.024917	0.003472	-76.42504	
HCl	-460.792833	0.009994	-0.011204	-460.796793	
INT1a	-3820.625403	0.953536	0.801686	-3819.060602	
INT1	-3671.789256	0.994874	0.844925	-3670.308817	
INT2a	-3820.63958	0.954716	0.808814	-3819.06116	
INT1b	-2952.140109	0.711212	0.58162	-2950.979064	
INT2	-3671.769027	0.992292	0.837551	-3670.281379	
INT3a	-3820.62493	0.951675	0.800492	-3819.065507	
INT2b	-2786.547931	0.70283	0.583237	-2785.445572	
INT3	-3210.921522	0.97988	0.829373	-3209.4503	
INT4a	-3820.621948	0.949637	0.798842	-3819.059776	
INT3b	-2786.554714	0.703092	0.580623	-2785.459815	
INT4	-4081.78698	1.265273	1.08561	-4079.894463	
INT5a	-4542.593108	1.281536	1.100538	-4540.70156	
INT4b	-2786.613225	0.705656	0.586122	-2785.521532	
INT5	-4081.771359	1.262247	1.083303	-4079.87557	
INT6a	-3360.95998	0.956921	0.81013	-3359.394198	
INT7a	-3361.000382	0.958688	0.815884	-3359.422412	
INT5b	-2786.526277	0.701338	0.577399	-2785.437765	
INT8a	-3361.00419	0.961736	0.816674	-3359.433899	
INT6b	-2786.511926	0.697467	0.572024	-2785.429779	
INT9a	-4082.977613	1.285995	1.098914	-4081.097912	
INT7b	-3822.968158	0.998446	0.843571	-3821.391218	
INT8b	-3514.498644	0.877509	0.735949	-3513.134053	
INT9b	-2478.070669	0.581655	0.47015	-2477.18597	

INT10a	-4082.99427	1.28487	1.098695	-4081.101361	
INT11a	-4083.010635	1.285952	1.101549	-4081.115266	
INT12a	-4083.000165	1.285679	1.099701	-4081.114957	
INT13a	-4129.088074	1.074758	0.913911	-4127.312227	
INT14a	-3820.640963	0.950915	0.802651	-3819.068528	
INT15a	-3359.774726	0.93705	0.789164	-3358.214027	
INT16a	-3436.215515	0.960987	0.807839	-3434.649669	
INT17a	-3437.455632	0.98575	0.833355	-3435.883086	
INT18a	-3820.603458	0.954345	0.805406	-3819.034905	
INT19a	-3360.986147	0.954323	0.808736	-3359.406421	
INT20a	-4082.971574	1.286252	1.10604	-4081.077969	
INT21a	-3437.458068	0.98579	0.830253	-3435.884007	
INT22a	-3437.456146	0.984516	0.835024	-3435.865654	
L	-1036.366921	0.29161	0.228394	-1035.919965	
TS1	-3671.754613	0.990415	0.835893	-3670.275873	753.58*i*
TS1a	-3820.610391	0.952949	0.808497	-3819.042753	100.07*i*
TS1b	-2786.524004	0.700596	0.578841	-2785.43151	62.68*i*
TS2	-3671.74236	0.98878	0.834142	-3670.262564	50.33*i*
TS2a	-3820.621403	0.953424	0.8106	-3819.049212	82.19*i*
TS2b	-2786.535036	0.701649	0.582516	-2785.436215	115.70*i*
TS3a	-3820.616326	0.948032	0.797896	-3819.056186	603.71*i*
TS3b	-2786.54992	0.702341	0.582053	-2785.4561	263.65*i*
TS4	-4081.75108	1.260153	1.083046	-4079.861241	810.73*i*
TS4a	-4542.574925	1.280441	1.102664	-4540.686004	90.97*i*
TS4b	-2786.521252	0.700968	0.581425	-2785.429923	70.71*i*
TS5a	-4542.568318	1.280955	1.102386	-4540.67326	412.49*i*
TS5b	-2786.50389	0.695826	0.570266	-2785.424612	671.40*i*
TS6a	-3360.95694	0.956057	0.810982	-3359.390703	23.36*i*
TS6b	-3822.931941	0.997464	0.845719	-3821.356279	94.05*i*
TS7a	-3360.977472	0.956888	0.814742	-3359.402091	888.65*i*
TS7b	-3514.493044	0.876857	0.738011	-3513.124114	-82.45*i*
TS8b	-2478.052468	0.581158	0.476746	-2477.160249	-96.16*i*
TS8a	-4082.97203	1.282991	1.097053	-4081.089507	669.46*i*
TS9a	-4082.978662	1.284368	1.099006	-4081.094277	57.13*i*
TS10a	-4129.048878	1.073856	0.915734	-4127.272822	94.09*i*
TS11a	-3820.620321	0.950086	0.807232	-3819.038876	725.74*i*
TS12a	-3820.598997	0.94806	0.799997	-3819.026626	105.71*i*
TS13a	-3436.164877	0.958731	0.808962	-3434.598425	401.67*i*
TS14a	-3437.400592	0.98223	0.831982	-3435.829808	777.76*i*
TS15a	-3820.574632	0.951145	0.804834	-3819.002229	293.91*i*
TS16a	-3360.955577	0.953527	0.813359	-3359.369998	-686.39*i*
TS17a	-4082.927046	1.28476	1.110139	-4081.033622	-122.40*i*
TS18a	-3437.431723	0.982064	0.831095	-3435.850388	895.16*i*

[1]The electronic energy calculated by B3LYP-D3(BJ) in gas phase. [2]The thermal correction to

enthalpy calculated by B3LYP-D3(BJ) in gas phase. [3]The thermal correction to Gibbs free energy calculated by B3LYP-D3(BJ) in gas phase. [4]The electronic energy calculated by M06 in toluene or tetrahydrofuran solvent. [5]The B3LYP-D3(BJ) calculated imaginary frequencies for the transition states.

3. Cartesian coordinates of DFT-optimized structures for all intermediates and transition states.

1

6	0.758144	3.223641	-0.039313
6	0.112952	2.407551	-1.208040
6	0.245015	2.415160	1.197193
1	1.850367	3.156611	-0.101035
1	0.496028	4.288458	-0.028906
1	0.709705	2.329964	-2.120463
1	-0.870410	2.814011	-1.473517
1	0.925794	2.359117	2.051327
1	-0.715434	2.806553	1.552219
14	-0.008164	0.947686	0.010026
6	1.465647	-0.215635	-0.035844
6	1.425228	-1.400371	-0.793678
6	2.657027	0.085859	0.646196
6	2.530667	-2.247519	-0.870886
1	0.513821	-1.669699	-1.321912
6	3.766719	-0.757218	0.572897
1	2.719794	0.989570	1.246912
6	3.704964	-1.926284	-0.187008
1	2.476177	-3.158447	-1.461090
1	4.676720	-0.504795	1.110752
1	4.566792	-2.585724	-0.243956
6	-1.594573	-0.053471	0.052805
6	-2.768120	0.428610	-0.552650
6	-1.659833	-1.288053	0.724365
6	-3.962206	-0.290415	-0.490116
1	-2.749053	1.376468	-1.084979
6	-2.851395	-2.009991	0.792983
1	-0.765398	-1.694240	1.189800
6	-4.005300	-1.511591	0.184849
1	-4.856715	0.098943	-0.968955
1	-2.879774	-2.961965	1.316433
1	-4.933745	-2.074065	0.234474

4

6	-2.079294	-0.005716	-0.000931
6	-3.294779	-0.009064	-0.001390
6	0.322002	-1.772309	0.448077
1	0.213267	-1.850026	1.540958
6	0.313579	1.275422	1.311738
1	0.203372	2.260298	0.831995
6	0.316762	0.499519	-1.759465
1	0.210661	-0.408421	-2.373195
6	1.783403	1.118077	1.742560
1	2.066465	1.914905	2.443067
1	1.939920	0.164330	2.260551
1	2.479550	1.157097	0.899237
6	-0.600418	1.248168	2.549695
1	-0.287711	2.005975	3.280478
1	-1.646245	1.433113	2.289007
1	-0.553522	0.273600	3.053043
6	1.792727	-2.060403	0.094856
1	2.080627	-3.063975	0.435044
1	1.947688	-2.032331	-0.990326
1	2.486338	-1.346187	0.548900
6	-0.587969	-2.834742	-0.193725
1	-0.269868	-3.845206	0.095873
1	-1.633940	-2.706763	0.098666
1	-0.543148	-2.782243	-1.289434
6	1.785415	0.955682	-1.834722
1	2.482807	0.208055	-1.444886
1	2.070582	1.164606	-2.874337
1	1.937627	1.881800	-1.267548
6	-0.598627	1.582994	-2.356903
1	-0.556470	2.505824	-1.763631
1	-0.283308	1.838798	-3.377313
1	-1.643378	1.261620	-2.390560
1	-4.362229	-0.012002	-0.002194
14	-0.232563	-0.000617	-0.000152

5

6	-3.980481	-0.254609	2.397532
6	-4.513162	-0.491231	3.813627
6	-2.450534	-0.388165	2.306097
1	-4.453921	-0.964054	1.705914
1	-4.277604	0.745668	2.056979
1	-4.256775	-1.497727	4.166610
1	-5.603835	-0.388355	3.855497
1	-1.971553	0.332335	2.983433
1	-2.135968	-1.381852	2.656221
14	-1.761394	-0.099717	0.572175
6	-2.419295	-1.395993	-0.616845

6	-2.845119	-2.655702	-0.163368	1	2.120878	-1.965604	2.482583
6	-2.464185	-1.142394	-1.998855	1	3.120302	-2.967718	1.424947
6	-3.299811	-3.628406	-1.054664	6	4.840135	-0.650482	-1.966918
1	-2.822060	-2.884272	0.899274	1	5.676362	-0.740713	-1.266249
6	-2.915128	-2.111499	-2.895092	1	5.064504	-1.285983	-2.833887
1	-2.149753	-0.172929	-2.376480	1	4.817413	0.385320	-2.324349
6	-3.334845	-3.356889	-2.423350	6	2.361794	-0.943240	-2.378208
1	-3.626915	-4.595620	-0.682514	1	1.404425	-1.288227	-1.977289
1	-2.941908	-1.895398	-3.959786	1	2.223595	0.091995	-2.711472
1	-3.689108	-4.112267	-3.119590	1	2.598512	-1.544198	-3.266576
6	-2.206276	1.611235	-0.063479	14	3.113482	-0.113791	0.284379
6	-1.289423	2.674254	-0.004505				
6	-3.487409	1.870750	-0.582656	**2**			
6	-1.638657	3.951936	-0.443677	6	3.231646	0.000024	-0.000091
1	-0.289663	2.495185	0.381934	6	2.021780	-0.000065	0.000127
6	-3.841848	3.146761	-1.021911	6	0.593396	-0.000032	0.000061
1	-4.211765	1.063461	-0.658806	6	-0.119257	-1.213230	0.000031
6	-2.916668	4.190300	-0.952191	6	-0.119199	1.213202	0.000030
1	-0.912928	4.759357	-0.393577	6	-1.511513	-1.208661	-0.000020
1	-4.836100	3.326153	-1.422351	1	0.430606	-2.148785	0.000049
1	-3.189699	5.183957	-1.297185	6	-1.511455	1.208700	-0.000022
1	-4.080093	0.227123	4.520209	1	0.430709	2.148730	0.000056
6	1.289711	-0.191130	0.534817	6	-2.211525	0.000036	-0.000048
6	0.067950	-0.189818	0.610030	1	-2.052123	-2.150811	-0.000044
6	3.944841	-0.970421	1.773379	1	-2.052020	2.150877	-0.000038
1	3.918901	-0.237544	2.594524	1	-3.297711	0.000062	-0.000089
6	3.498535	1.755007	0.251968	1	4.297287	0.000078	-0.000343
1	2.998659	2.130833	1.158628				
6	3.491973	-1.049838	-1.338332	**3**			
1	3.564532	-2.106853	-1.037153	6	-1.939579	-0.002790	0.530332
6	2.849564	2.457484	-0.953883	6	-3.281651	-0.081395	-0.107833
1	2.960821	3.547493	-0.877099	6	-3.489249	0.393030	-1.414563
1	3.320011	2.149970	-1.895156	6	-4.381782	-0.624947	0.577134
1	1.779794	2.233584	-1.028767	6	-4.740316	0.309810	-2.020066
6	4.989918	2.111981	0.369255	1	-2.663634	0.854526	-1.947396
1	5.125192	3.201737	0.392139	6	-5.633347	-0.716401	-0.030546
1	5.435878	1.707486	1.284252	1	-4.255636	-0.999509	1.587858
1	5.567906	1.731607	-0.480150	6	-5.819244	-0.249664	-1.332031
6	5.415313	-1.345369	1.514159	1	-4.876192	0.692301	-3.027994
1	5.868943	-1.777519	2.415943	1	-6.464743	-1.153694	0.515568
1	5.494614	-2.098902	0.721379	1	-6.795996	-0.313480	-1.803071
1	6.025589	-0.486286	1.217028	6	-0.809987	-0.124318	-0.202720
6	3.154146	-2.212754	2.221290	1	-0.926630	-0.306357	-1.271402
1	3.627359	-2.682758	3.093867	6	-0.652390	0.780976	2.649505

6	-1.933301	0.192366	2.041280
6	0.600404	-0.074236	2.382603
1	-0.500123	1.792971	2.249560
1	-0.811424	0.898780	3.729436
1	-2.780457	0.834518	2.311222
1	-2.136724	-0.778360	2.520813
1	1.466454	0.328936	2.920687
1	0.437291	-1.093230	2.759481
14	0.906741	-0.083617	0.520533
6	1.771893	1.502883	-0.005623
6	3.168164	1.643161	0.090757
6	1.029765	2.610825	-0.449323
6	3.798722	2.842216	-0.241440
1	3.771887	0.800302	0.419291
6	1.654410	3.813936	-0.782819
1	-0.050810	2.526764	-0.536302
6	3.041160	3.931043	-0.679128
1	4.879257	2.928078	-0.161617
1	1.060941	4.657577	-1.125498
6	1.923308	-1.559828	-0.048055
6	1.883578	-2.781552	0.646370
6	2.711093	-1.493588	-1.211356
6	2.600247	-3.892546	0.200950
1	1.284422	-2.870411	1.549140
6	3.429306	-2.601218	-1.663338
1	2.772204	-0.560501	-1.765409
6	3.375540	-3.803725	-0.956573
1	2.555899	-4.825680	0.756347
1	4.032517	-2.525620	-2.564246
1	3.935992	-4.667067	-1.305060
1	3.530682	4.865578	-0.939955

6

6	-1.546950	-0.322667	0.223791
6	-2.687258	-0.511349	1.023149
6	-3.865815	-1.034129	0.488460
6	-3.926564	-1.376006	-0.863556
6	-2.805475	-1.195926	-1.676638
6	-1.629395	-0.675964	-1.135606
1	-4.735741	-1.174718	1.124650
1	-4.843130	-1.782891	-1.282255
1	-2.847554	-1.463659	-2.729108
1	-0.759882	-0.554053	-1.777125
14	0.003833	0.447522	0.946392
8	-0.076718	0.381543	2.623166
1	0.092687	-0.490364	3.006807
1	-2.646285	-0.246744	2.076746
6	1.501370	-0.478784	0.294000
6	2.755102	0.154420	0.213535
6	1.421572	-1.826924	-0.098083
6	3.883675	-0.528221	-0.239856
1	2.851739	1.196887	0.507372
6	2.547335	-2.517145	-0.549804
1	0.463652	-2.339416	-0.061481
6	3.780547	-1.867423	-0.622177
1	4.841446	-0.017979	-0.297449
1	2.462277	-3.558399	-0.849250
1	4.657852	-2.401305	-0.977406
6	0.118781	2.274864	0.531821
1	-0.741901	2.779416	0.992612
1	1.008428	2.694887	1.022566
6	0.156609	2.574462	-0.976686
1	-0.739368	2.155925	-1.453551
1	1.012441	2.057975	-1.431863
6	0.243868	4.072032	-1.283928
1	0.268810	4.261098	-2.363574
1	-0.618189	4.607625	-0.868227
1	1.148380	4.510633	-0.844812

7

17	0.152998	-1.568941	2.091935
6	1.725907	-2.669542	-0.817120
6	2.836317	-2.360173	-1.490170
6	0.372411	-2.070238	-1.065501
1	1.784636	-3.372402	0.012810
1	2.826256	-1.650406	-2.314480
1	3.795573	-2.803525	-1.239060
1	-0.411077	-2.837428	-1.012007
1	0.326037	-1.616656	-2.064443
14	-0.030347	-0.705146	0.182573
6	-1.776898	-0.078915	-0.027287
6	-2.247146	0.986483	0.762493
6	-2.649483	-0.638152	-0.975132
6	-3.543945	1.473686	0.611150
1	-1.590918	1.439705	1.501277
6	-3.948688	-0.151957	-1.131315
1	-2.317042	-1.462135	-1.600817
6	-4.396848	0.904133	-0.337653

1	-3.890557	2.295952	1.230916
1	-4.609287	-0.597216	-1.870082
1	-5.407985	1.283427	-0.457061
6	1.193011	0.700049	0.075052
6	2.503548	0.571084	0.569164
6	0.840602	1.895631	-0.575323
6	3.429037	1.602351	0.418485
1	2.798643	-0.340022	1.079937
6	1.766158	2.929019	-0.728512
1	-0.168084	2.024877	-0.957843
6	3.061659	2.782840	-0.231642
1	4.436229	1.487217	0.809427
1	1.474624	3.847568	-1.230452
1	3.782997	3.587291	-0.347178

CAT1

45	-1.296887	0.018634	-0.920755
1	0.005192	1.111313	-1.456424
6	-8.523328	-1.545999	-0.742513
6	-7.363021	-1.087681	-0.159549
6	-6.499762	-0.193105	-0.848808
6	-6.868429	0.219233	-2.167972
6	-8.064155	-0.278247	-2.745294
6	-8.879115	-1.142455	-2.049971
1	-9.168313	-2.227938	-0.195376
1	-7.095051	-1.412347	0.838652
6	-5.269713	0.277550	-0.280128
6	-6.013355	1.104455	-2.871511
1	-8.324086	0.038363	-3.752278
1	-9.793634	-1.515959	-2.501916
6	-4.860809	1.573825	-2.296619
6	-4.477231	1.179330	-0.982965
1	-6.283034	1.403443	-3.881324
6	-6.649980	1.160735	4.617273
6	-5.688608	0.178778	4.682288
6	-5.085661	-0.328907	3.502484
6	-5.482624	0.192867	2.231189
6	-6.484542	1.201328	2.199470
6	-7.052022	1.673218	3.360941
1	-3.803517	-1.752653	4.504242
1	-7.102898	1.544331	5.527147
1	-5.371013	-0.222889	5.641275
6	-4.091708	-1.335859	3.542240
6	-4.839173	-0.275665	1.042356
1	-6.789889	1.605094	1.241074
1	-7.811708	2.448498	3.314709
6	-3.829943	-1.236644	1.121631
6	-3.486238	-1.775417	2.390687
1	-4.216162	2.243635	-2.854467
1	-2.718728	-2.536902	2.452228
15	-2.771941	1.620350	-0.433932
15	-2.743611	-1.604939	-0.343875
6	-2.872172	1.993235	1.374727
6	-3.716131	2.965394	1.926128
6	-2.012172	1.282602	2.223273
6	-3.703623	3.217906	3.296918
1	-4.395539	3.522096	1.291694
6	-1.995346	1.537220	3.593526
1	-1.366980	0.527194	1.781104
6	-2.842383	2.505793	4.134399
1	-4.377489	3.960830	3.713457
1	-1.326597	0.972892	4.238018
1	-2.837369	2.702120	5.202873
6	-2.543683	3.304990	-1.155177
6	-1.291182	3.669721	-1.662233
6	-3.579434	4.254820	-1.161210
6	-1.070660	4.960337	-2.146018
1	-0.491507	2.939110	-1.672014
6	-3.359062	5.542358	-1.645790
1	-4.570592	3.980537	-0.814153
6	-2.099831	5.900291	-2.134911
1	-0.087566	5.225939	-2.522213
1	-4.171738	6.263947	-1.647831
1	-1.928093	6.905097	-2.511591
6	-3.926211	-2.174300	-1.623479
6	-5.014757	-3.008012	-1.331204
6	-3.734409	-1.727748	-2.937179
6	-5.895654	-3.393781	-2.338864
1	-5.187911	-3.328863	-0.308038
6	-4.620401	-2.111703	-3.944498
1	-2.900247	-1.061336	-3.143238
6	-5.701025	-2.942902	-3.646604
1	-6.749088	-4.020938	-2.099628
1	-4.473818	-1.749191	-4.958212
1	-6.398763	-3.230810	-4.427974
6	-1.854381	-3.134480	0.176717
6	-0.724555	-2.973121	0.995569
6	-2.227860	-4.426333	-0.212335

6	-0.005627	-4.076814	1.447832	6	2.871962	-1.993023	1.374702
1	-0.396652	-1.970860	1.247768	6	3.715939	-2.965097	1.926215
6	-1.493354	-5.532583	0.223536	6	2.011891	-1.282360	2.223151
1	-3.083157	-4.573081	-0.862200	6	3.703363	-3.217524	3.297024
6	-0.390194	-5.362139	1.059427	1	4.395423	-3.521806	1.291864
1	0.866566	-3.928341	2.075730	6	1.994986	-1.536899	3.593417
1	-1.785951	-6.529206	-0.096240	1	1.366694	-0.527010	1.780891
1	0.182167	-6.224248	1.389786	6	2.842031	-2.505405	4.134406
45	1.296848	-0.018627	-0.921016	1	4.377237	-3.960397	3.713640
1	-0.005414	-1.111537	-1.456007	1	1.326176	-0.972552	4.237826
6	8.523463	1.545726	-0.742099	1	2.836938	-2.701680	5.202889
6	7.363044	1.087531	-0.159258	6	2.543733	-3.305023	-1.155059
6	6.499791	0.193024	-0.848598	6	1.291230	-3.669949	-1.661968
6	6.868592	-0.219413	-2.167692	6	3.579592	-4.254730	-1.161053
6	8.064423	0.277949	-2.744894	6	1.070820	-4.960657	-2.145561
6	8.879373	1.142114	-2.049501	1	0.491474	-2.939425	-1.671789
1	9.168443	2.227617	-0.194897	6	3.359321	-5.542365	-1.645425
1	7.094988	1.412251	0.838904	1	4.570757	-3.980294	-0.814125
6	5.269649	-0.277540	-0.280042	6	2.100091	-5.900505	-2.134392
6	6.013558	-1.104646	-2.871276	1	0.087732	-5.226421	-2.521652
1	8.324447	-0.038728	-3.751833	1	4.172077	-6.263864	-1.647420
1	9.793979	1.515524	-2.501346	1	1.928420	-6.905385	-2.510905
6	4.860943	-1.573953	-2.296476	6	3.926369	2.174179	-1.623574
6	4.477243	-1.179353	-0.982882	6	5.014943	3.007834	-1.331212
1	6.283341	-1.403711	-3.881039	6	3.734710	1.727556	-2.937267
6	6.649788	-1.160400	4.617418	6	5.895987	3.393483	-2.338782
6	5.688392	-0.178466	4.682356	1	5.188005	3.328706	-0.308036
6	5.085465	0.329140	3.502506	6	4.620851	2.111399	-3.944504
6	5.482477	-0.192701	2.231254	1	2.900520	1.061200	-3.143394
6	6.484448	-1.201115	2.199610	6	5.701488	2.942543	-3.646523
6	7.051899	-1.672931	3.361121	1	6.749432	4.020602	-2.099486
1	3.803269	1.752944	4.504118	1	4.474368	1.748832	-4.958211
1	7.102683	-1.543944	5.527327	1	6.399342	3.230370	-4.427821
1	5.370764	0.223243	5.641315	6	1.854291	3.134449	0.176345
6	4.091491	1.336070	3.542160	6	0.724423	2.973145	0.995167
6	4.839042	0.275726	1.042386	6	2.227809	4.426269	-0.212751
1	6.789847	-1.604896	1.241236	6	0.005546	4.076889	1.447384
1	7.811619	-2.448181	3.314960	1	0.396453	1.970895	1.247346
6	3.829790	1.236686	1.121545	6	1.493329	5.532569	0.223051
6	3.486048	1.775542	2.390554	1	3.083106	4.572961	-0.862630
1	4.216351	-2.243814	-2.854329	6	0.390171	5.362192	1.058951
1	2.718538	2.537027	2.452034	1	-0.866664	3.928483	2.075273
15	2.771896	-1.620303	-0.434002	1	1.785958	6.529164	-0.096776
15	2.743601	1.604894	-0.344087	1	-0.182149	6.224330	1.389306

CAT2

45	0.055601	0.671774	-0.186708
15	-2.282887	0.934755	0.008151
15	2.353078	0.876800	-0.124277
6	-3.503819	-0.452603	0.126409
6	-3.642985	-1.180916	1.317433
6	-4.290278	-0.816415	-0.974981
6	-4.537228	-2.245985	1.404962
1	-3.066711	-0.906414	2.190275
6	-5.187630	-1.879969	-0.885896
1	-4.202073	-0.270810	-1.906507
6	-5.315794	-2.599190	0.302131
1	-4.625854	-2.793434	2.339395
1	-5.783594	-2.148255	-1.753461
1	-6.016217	-3.427287	0.368135
6	-3.049926	1.916494	-1.346287
6	-4.201088	2.687408	-1.152386
6	-2.505760	1.810180	-2.632637
6	-4.805418	3.334411	-2.230892
1	-4.623850	2.793022	-0.159164
6	-3.118239	2.444501	-3.711989
1	-1.587064	1.252923	-2.773401
6	-4.270016	3.208469	-3.513490
1	-5.694193	3.937730	-2.067275
1	-2.683990	2.358904	-4.704301
1	-4.742062	3.711767	-4.352837
6	-2.657857	1.867525	1.556229
6	-3.925752	1.846372	2.158805
6	-1.636267	2.618681	2.156704
6	-4.164411	2.557524	3.334964
1	-4.724957	1.259794	1.719032
6	-1.876987	3.327554	3.333772
1	-0.662801	2.652920	1.682227
6	-3.139722	3.297645	3.927462
1	-5.151206	2.529730	3.789039
1	-1.075228	3.906744	3.783727
1	-3.325667	3.848217	4.845616
6	3.051090	2.551300	0.197365
6	4.145762	3.059785	-0.507013
6	2.523497	3.285368	1.268274
6	4.698072	4.293252	-0.152367
1	4.565929	2.501860	-1.336890
6	3.080131	4.509041	1.626465
1	1.664006	2.899069	1.806619
6	4.168515	5.019223	0.913070
1	5.543827	4.683356	-0.712202
1	2.656207	5.073421	2.452417
1	4.597617	5.979243	1.186388
6	3.267320	-0.004345	1.207233
6	2.560107	-0.278553	2.383954
6	4.637641	-0.291234	1.156702
6	3.189371	-0.884683	3.470918
1	1.506564	-0.030885	2.429540
6	5.265163	-0.912879	2.235570
1	5.216382	-0.029923	0.277442
6	4.541572	-1.221109	3.391014
1	2.617485	-1.105611	4.367944
1	6.324035	-1.149760	2.178076
1	5.035010	-1.706018	4.228753
6	3.081649	0.409316	-1.737581
6	2.701001	1.206362	-2.834708
6	3.872681	-0.722025	-1.956960
6	3.139662	0.888840	-4.116970
1	2.054301	2.064370	-2.671204
6	4.305709	-1.037691	-3.247459
1	4.133682	-1.377812	-1.136278
6	3.948349	-0.233505	-4.327232
1	2.846189	1.515267	-4.954867
1	4.914091	-1.924392	-3.401093
1	4.288239	-0.480851	-5.329235
17	0.032959	2.991511	-0.888458
15	0.012902	-1.562500	0.057459
6	-1.213054	-2.297867	-1.112027
6	-1.998612	-3.422110	-0.844442
6	-1.283331	-1.704431	-2.382439
6	-2.827615	-3.951596	-1.833897
1	-1.993192	-3.870939	0.141102
6	-2.105360	-2.239099	-3.372739
1	-0.687409	-0.816685	-2.577493
6	-2.876914	-3.370293	-3.101037
1	-3.447609	-4.814015	-1.606316
1	-2.148286	-1.767227	-4.350502
1	-3.524790	-3.786688	-3.867386
6	1.474040	-2.630358	-0.371774
6	1.676631	-3.061948	-1.690640
6	2.404832	-3.015552	0.605188
6	2.770085	-3.861869	-2.020806

1	0.976223	-2.782050	-2.467979
6	3.507415	-3.801509	0.272123
1	2.271886	-2.709175	1.633653
6	3.693177	-4.231997	-1.042824
1	2.902200	-4.185808	-3.049125
1	4.217340	-4.075735	1.047057
1	4.547371	-4.851832	-1.301232
6	-0.399993	-2.217889	1.730890
6	-0.367792	-3.582947	2.053107
6	-0.711338	-1.294748	2.737877
6	-0.672313	-4.013228	3.344532
1	-0.081658	-4.309708	1.299817
6	-1.006357	-1.721381	4.032922
1	-0.723491	-0.236928	2.488802
6	-0.994212	-3.083836	4.336683
1	-0.648205	-5.073826	3.578957
1	-1.247717	-0.989708	4.798996
1	-1.223914	-3.420848	5.343700

CAT3

45	-1.301945	0.004184	-0.268682
1	-0.001566	1.142452	-0.692340
6	-6.774812	1.324456	-1.502780
6	-6.705992	0.343131	-2.494480
6	-5.611047	1.773246	-0.874977
6	-5.465615	-0.179764	-2.871723
6	-4.304246	0.267617	-2.244088
6	-4.368352	1.238544	-1.232391
1	-5.401581	-0.952837	-3.632092
6	-6.264610	-0.950815	3.056281
6	-6.385276	-0.811067	1.672801
1	-4.966911	-1.547165	4.673396
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15	1.215319	0.087423	1.886128	1	0.624735	-2.314661	7.056451
6	1.774186	-2.490965	-1.273663	1	1.232437	5.475294	-2.771627
6	2.608349	-2.791055	-2.359528	6	-3.124820	2.697592	1.082959
6	1.859966	-3.270210	-0.114299	6	-3.490297	1.883018	2.167514
6	3.510190	-3.850642	-2.285681	6	-3.014562	4.080611	1.302326
1	2.561087	-2.181334	-3.257269	6	-3.728761	2.427988	3.429512
6	2.768597	-4.323985	-0.035059	1	-3.553640	0.808799	2.027648
1	1.226332	-3.027424	0.731818	6	-3.263335	4.633616	2.560093
6	3.596104	-4.615149	-1.120625	1	-2.714442	4.732927	0.486410

6	-3.615325	3.805983	3.628422
1	-3.993667	1.777142	4.258633
1	-3.174271	5.706950	2.708080
1	-3.798330	4.232198	4.611320
1	-7.057781	2.766907	-2.199016
6	-2.600903	-1.027412	-0.171350
6	-2.410692	0.197363	-0.373895
1	-1.329941	0.060943	1.938915
6	-5.239713	-2.165853	-1.061191
1	-5.808833	-1.358167	-0.573804
6	-4.238504	-2.340313	1.912909
1	-4.502706	-1.276114	2.015953
6	-2.875099	-4.113474	-0.401440
1	-2.961053	-4.162065	-1.498525
6	-3.058216	-2.604071	2.861839
1	-3.339849	-2.398571	3.904107
1	-2.731109	-3.650485	2.814221
1	-2.206743	-1.964103	2.613458
6	-5.477575	-3.156128	2.317840
1	-5.713596	-2.991285	3.378156
1	-6.362603	-2.873047	1.738530
1	-5.321403	-4.232370	2.185052
6	-6.168001	-3.384754	-1.211870
1	-7.055727	-3.122408	-1.803359
1	-5.658474	-4.197643	-1.743061
1	-6.515337	-3.781543	-0.253165
6	-4.809454	-1.674945	-2.452444
1	-5.685035	-1.457548	-3.080142
1	-4.195303	-0.775078	-2.397104
1	-4.214752	-2.434781	-2.973191
6	-3.562270	-5.360362	0.185201
1	-4.628976	-5.410931	-0.052663
1	-3.092560	-6.275602	-0.199976
1	-3.465005	-5.383486	1.276843
6	-1.379417	-4.123899	-0.061786
1	-0.872847	-3.257175	-0.484406
1	-1.215191	-4.093369	1.021789
1	-0.888696	-5.028729	-0.445994
14	-3.729361	-2.476402	0.074598

INT13a

45	-0.565944	0.936345	1.124768
17	0.092943	3.078556	2.355683
6	-1.578150	-1.063656	3.366296
6	-1.361219	0.413808	3.038485
6	-2.905999	-1.649615	2.857614
1	-0.742422	-1.667370	3.001234
1	-1.552191	-1.177067	4.462103
1	-0.643002	0.860167	3.719686
1	-2.295983	0.973078	3.164767
1	-3.024079	-2.685041	3.205960
1	-3.733322	-1.092325	3.316994
14	-3.129739	-1.591150	0.987087
6	-2.610685	-3.174629	0.103249
6	-2.288203	-3.158253	-1.266666
6	-2.624024	-4.420247	0.752243
6	-2.009930	-4.333529	-1.963060
1	-2.249183	-2.219496	-1.810913
6	-2.339558	-5.602273	0.063957
1	-2.865180	-4.474996	1.810911
6	-2.038442	-5.561382	-1.299021
1	-1.753577	-4.284730	-3.017422
1	-2.358594	-6.553549	0.589388
6	2.812969	-3.348846	-3.928151
6	2.881228	-2.310108	-3.026307
6	2.226748	-2.382036	-1.763452
6	1.510451	-3.580018	-1.453897
6	1.456623	-4.633552	-2.402887
6	2.090275	-4.525032	-3.619148
1	3.323188	-3.264420	-4.883564
1	3.440706	-1.418156	-3.281697
6	2.249389	-1.299980	-0.812051
6	0.838573	-3.677474	-0.210139
1	0.893971	-5.526229	-2.146259
1	2.042125	-5.337050	-4.339012
6	0.906971	-2.657038	0.697720
6	1.656915	-1.473801	0.435157
1	0.245493	-4.559887	0.003954
6	7.188432	0.009209	-1.387360
6	6.482090	1.147387	-1.696976
6	5.063792	1.157488	-1.653490
6	4.357557	-0.028541	-1.283848
6	5.122223	-1.185253	-0.963962
6	6.496767	-1.167743	-1.016818
1	4.850277	3.229669	-2.229547
1	8.274163	0.011486	-1.420391
1	6.998019	2.062921	-1.974291
6	4.321316	2.323804	-1.945014

6	2.923563	-0.015796	-1.194321
1	4.608120	-2.088102	-0.659541
1	7.056442	-2.063153	-0.761934
6	2.223190	1.168672	-1.462840
6	2.954249	2.328710	-1.846036
1	0.356030	-2.740212	1.625871
1	2.420813	3.247466	-2.047436
15	1.562475	-0.132123	1.687494
15	0.399507	1.416488	-1.154015
6	3.195508	0.723448	1.663439
6	4.368880	0.003412	1.935007
6	3.269185	2.104591	1.457421
6	5.600661	0.649476	1.967211
1	4.317739	-1.065637	2.116343
6	4.506247	2.750512	1.497906
1	2.359778	2.670464	1.293291
6	5.672050	2.026747	1.744170
1	6.504909	0.078296	2.155391
1	4.552722	3.823395	1.333747
1	6.634042	2.531299	1.767321
6	1.769426	-0.934412	3.331470
6	1.614557	-0.071063	4.429778
6	2.143739	-2.263722	3.560381
6	1.787664	-0.543526	5.728262
1	1.372858	0.974586	4.259302
6	2.315302	-2.733941	4.864271
1	2.310823	-2.937446	2.727719
6	2.127677	-1.880215	5.950714
1	1.658467	0.134631	6.567038
1	2.602568	-3.769372	5.026684
1	2.257648	-2.249517	6.964133
6	-0.447058	0.498806	-2.514783
6	0.195000	-0.446752	-3.314717
6	-1.813387	0.749043	-2.742556
6	-0.511315	-1.183268	-4.267930
1	1.255128	-0.603288	-3.210761
6	-2.519946	0.025039	-3.699991
1	-2.324566	1.518167	-2.174356
6	-1.874937	-0.960929	-4.453897
1	0.016624	-1.926830	-4.858036
1	-3.576742	0.226806	-3.850851
1	-2.429997	-1.535551	-5.190038
6	0.079223	3.126805	-1.767668
6	-0.186166	4.153120	-0.854739
6	0.062554	3.409896	-3.145178
6	-0.471009	5.442437	-1.313203
1	-0.162313	3.944585	0.209800
6	-0.218135	4.696682	-3.596318
1	0.267881	2.621631	-3.862234
6	-0.490287	5.717045	-2.679172
1	-0.680677	6.228161	-0.592812
1	-0.228852	4.903678	-4.662961
1	-0.715631	6.719476	-3.033136
1	-1.823150	-6.480317	-1.838207
6	-4.948181	-1.284981	0.561004
6	-5.766396	-0.489899	1.382292
6	-5.477498	-1.704195	-0.673395
6	-7.052163	-0.117669	0.988191
1	-5.391138	-0.132481	2.337409
6	-6.759473	-1.329781	-1.078257
1	-4.876915	-2.329197	-1.329062
6	-7.550071	-0.531404	-0.248057
1	-7.659726	0.503841	1.640524
1	-7.144281	-1.664290	-2.038394
1	-8.548944	-0.238963	-0.560851
6	-2.327309	1.155894	0.489648
6	-2.139012	-0.210591	0.212220
6	-3.344609	2.147926	0.346961
6	-4.500832	1.901483	-0.429229
6	-3.170723	3.406459	0.966759
6	-5.455897	2.897102	-0.586439
1	-4.629697	0.932248	-0.896140
6	-4.141483	4.389323	0.816312
1	-2.271824	3.568510	1.555743
6	-5.277445	4.136799	0.038708
1	-6.344294	2.705709	-1.180207
1	-4.014777	5.354929	1.296547
1	-6.030445	4.911375	-0.081094
1	-1.903670	-0.468092	-0.818511

INT14a

6	3.843607	-2.869823	3.493666
6	3.447872	-2.268896	2.320753
6	2.891084	-0.960178	2.318347
6	2.760818	-0.279447	3.569444
6	3.169876	-0.928662	4.763202
6	3.700099	-2.197555	4.730263
1	4.264361	-3.871073	3.471377

1	3.551047	-2.797243	1.380642	6	1.485864	5.801922	0.071313
6	2.438598	-0.325201	1.116336	1	2.495249	4.255499	-1.026877
6	2.224966	1.030206	3.578846	6	0.452994	6.110203	0.956446
1	3.056405	-0.399748	5.706031	1	-1.211289	5.325998	2.088322
1	4.011658	-2.684734	5.649768	1	2.132697	6.587746	-0.308683
6	1.809057	1.629932	2.416194	1	0.296035	7.136968	1.275183
6	1.892459	0.956900	1.167791	6	-0.198622	-1.716649	1.444562
1	2.144753	1.559711	4.524849	6	0.325716	-2.896014	1.990817
6	6.546172	-1.277570	-1.833523	6	-0.692552	-0.727147	2.303388
6	5.480048	-1.812442	-2.518249	6	0.314229	-3.098401	3.369995
6	4.169275	-1.763502	-1.977308	1	0.769416	-3.644442	1.342021
6	3.949193	-1.134655	-0.712198	6	-0.689116	-0.922525	3.682361
6	5.074902	-0.589548	-0.034033	1	-1.066710	0.199094	1.880359
6	6.337502	-0.665167	-0.576077	6	-0.194988	-2.113770	4.217772
1	3.228207	-2.820253	-3.612265	1	0.731983	-4.010882	3.783705
1	7.546556	-1.323662	-2.254138	1	-1.065933	-0.140278	4.334893
1	5.623736	-2.286974	-3.485487	1	-0.187287	-2.266950	5.292884
6	3.064452	-2.330162	-2.655943	6	-1.087824	-2.809621	-1.139734
6	2.616713	-1.051546	-0.181456	6	-1.391464	-2.705880	-2.508807
1	4.930200	-0.101942	0.921665	6	-1.469613	-3.966547	-0.453998
1	7.180427	-0.242170	-0.037013	6	-2.019214	-3.751580	-3.180863
6	1.553603	-1.628790	-0.876103	1	-1.147132	-1.792064	-3.041687
6	1.804424	-2.276254	-2.117368	6	-2.110979	-5.007868	-1.126528
17	-1.261925	2.596229	-2.436487	1	-1.309888	-4.048549	0.612501
1	1.404530	2.633135	2.452191	6	-2.375448	-4.911921	-2.490884
1	0.984493	-2.736485	-2.651938	1	-2.240501	-3.653072	-4.239892
15	1.091088	1.706287	-0.324549	1	-2.418550	-5.889232	-0.571561
15	-0.216847	-1.386091	-0.355691	1	-2.874713	-5.725205	-3.009933
6	2.419043	1.697346	-1.581087	45	-0.869271	0.613273	-1.144098
6	3.735970	2.049746	-1.253813	1	-2.054610	-0.099226	-1.967039
6	2.118583	1.293652	-2.889001	14	-3.176675	0.424028	-0.581321
6	4.738608	1.996685	-2.219148	6	-3.785798	-1.283794	-0.021840
1	3.979665	2.340199	-0.236216	6	-3.622939	-1.830849	1.262075
6	3.127545	1.229655	-3.849385	6	-4.471736	-2.075351	-0.962781
1	1.096659	1.035650	-3.147052	6	-4.137674	-3.082858	1.602127
6	4.437158	1.577710	-3.516265	1	-3.064478	-1.296689	2.016788
1	5.758746	2.254303	-1.951901	6	-4.985430	-3.328294	-0.636003
1	2.888237	0.904002	-4.857520	1	-4.607453	-1.711264	-1.975006
1	5.223571	1.518814	-4.263164	6	-4.829291	-3.834887	0.654858
6	0.861535	3.461802	0.138390	1	-3.990905	-3.467249	2.608265
6	-0.197875	3.782425	0.999596	1	-5.504794	-3.910878	-1.391890
6	1.694016	4.483041	-0.334118	1	-5.232881	-4.810186	0.914177
6	-0.389594	5.097281	1.418350	6	-3.353256	1.744332	0.777849
1	-0.881062	3.007214	1.329350	6	-3.393616	3.090946	0.364479

6	-3.527866	1.487692	2.149278
6	-3.621887	4.124691	1.270834
1	-3.217229	3.336179	-0.677601
6	-3.726004	2.522456	3.066713
1	-3.543402	0.469991	2.517123
6	-3.780695	3.846127	2.630056
1	-3.655933	5.150804	0.915134
1	-3.860108	2.289219	4.120114
1	-3.951029	4.651227	3.340201
6	-4.390131	1.006556	-1.944779
1	-3.956133	1.923566	-2.359513
1	-4.395259	0.275238	-2.761613
6	-5.770498	1.239745	-1.418480
1	-5.876774	2.081890	-0.734515
6	-6.845763	0.491998	-1.682528
1	-6.797167	-0.365147	-2.350884
1	-7.814341	0.708505	-1.240214

INT15a

6	3.682811	-3.845797	2.446871
6	3.303263	-2.909496	1.512696
6	2.724406	-1.670977	1.905767
6	2.543581	-1.427592	3.303663
6	2.929997	-2.418979	4.242366
6	3.491501	-3.604134	3.827176
1	4.124322	-4.783395	2.120854
1	3.439975	-3.113717	0.457849
6	2.313210	-0.679555	0.954311
6	1.989675	-0.190384	3.712059
1	2.776553	-2.218729	5.299843
1	3.788602	-4.354307	4.554551
6	1.632208	0.761037	2.789516
6	1.780704	0.532771	1.394564
1	1.861039	0.003065	4.774265
6	6.445468	-0.780167	-2.123526
6	5.380910	-1.085317	-2.939374
6	4.064551	-1.173777	-2.416689
6	3.837934	-0.922488	-1.027157
6	4.962613	-0.610323	-0.213461
6	6.230265	-0.547052	-0.745068
1	3.130559	-1.736386	-4.283719
1	7.450044	-0.720172	-2.532593
1	5.530669	-1.271006	-4.000014
6	2.960999	-1.520948	-3.231536
6	2.503282	-0.976238	-0.502870
1	4.810048	-0.415637	0.840874
1	7.072568	-0.308198	-0.101788
6	1.436692	-1.315833	-1.338118
6	1.695694	-1.603025	-2.705931
1	1.224621	1.704445	3.131261
1	0.877943	-1.896701	-3.350782
15	1.034556	1.737463	0.194528
15	-0.325436	-1.189126	-0.743612
6	2.394125	2.076135	-0.987113
6	3.718332	2.310125	-0.592028
6	2.083625	2.042610	-2.353261
6	4.712541	2.514707	-1.546601
1	3.975294	2.298575	0.463166
6	3.080580	2.238072	-3.308455
1	1.060219	1.827259	-2.650063
6	4.396065	2.473946	-2.905857
1	5.739251	2.674076	-1.231474
1	2.833796	2.190613	-4.365438
1	5.176632	2.612683	-3.648313
6	0.874246	3.281949	1.183110
6	-0.257456	3.386224	2.008002
6	1.768385	4.359007	1.125287
6	-0.462448	4.516923	2.795614
1	-0.989695	2.582679	2.006909
6	1.548257	5.502259	1.895954
1	2.632945	4.312551	0.473118
6	0.441873	5.579340	2.742995
1	-1.343849	4.578006	3.427185
1	2.247819	6.331766	1.836840
1	0.277244	6.467501	3.346821
6	-0.321824	-2.251170	0.748718
6	0.235157	-3.537803	0.743975
6	-0.869979	-1.743809	1.930519
6	0.236348	-4.305006	1.906498
1	0.686023	-3.928431	-0.164066
6	-0.868492	-2.511990	3.093198
1	-1.282448	-0.742363	1.922424
6	-0.313093	-3.791531	3.083807
1	0.686316	-5.293340	1.901279
1	-1.299608	-2.107453	4.003878
1	-0.299481	-4.387140	3.992134
6	-1.287844	-2.169521	-1.979311
6	-1.498880	-1.603513	-3.249197

6	-1.928896	-3.374593	-1.668900
6	-2.283312	-2.249885	-4.199293
1	-1.070906	-0.629521	-3.470375
6	-2.743828	-4.007413	-2.612826
1	-1.815190	-3.812063	-0.684618
6	-2.913717	-3.457192	-3.881918
1	-2.430129	-1.797534	-5.176077
1	-3.244877	-4.934927	-2.349189
1	-3.544585	-3.952825	-4.614240
45	-0.997432	0.888257	-0.541385
14	-3.265850	0.367656	-0.675613
6	-3.992153	-0.673249	0.714559
6	-3.889299	-0.292143	2.065216
6	-4.502094	-1.955363	0.442578
6	-4.288110	-1.142381	3.095818
1	-3.465382	0.675838	2.317121
6	-4.886918	-2.818615	1.469028
1	-4.586469	-2.293297	-0.585914
6	-4.784109	-2.413799	2.800537
1	-4.201496	-0.818271	4.130214
1	-5.269274	-3.807732	1.229337
1	-5.084531	-3.084129	3.601392
6	-3.247844	2.228921	-0.317460
6	-2.340324	2.958986	-1.135000
6	-3.800568	2.913080	0.792194
6	-2.013090	4.297987	-0.858156
1	-1.951248	2.500842	-2.050176
6	-3.499424	4.245345	1.042737
1	-4.504906	2.395955	1.437069
6	-2.592475	4.940349	0.225918
1	-1.305120	4.821496	-1.494812
1	-3.967378	4.756893	1.880620
1	-2.337943	5.971555	0.451448
6	-4.264089	0.031802	-2.275859
1	-3.762977	0.579249	-3.084916
1	-4.206217	-1.031802	-2.528440
6	-5.682915	0.478881	-2.117992
1	-5.833211	1.558492	-2.070966
6	-6.741450	-0.324431	-1.975992
1	-6.642053	-1.407523	-2.003142
1	-7.741959	0.069413	-1.819967

INT16a

45	-0.855771	0.641551	-0.437156
15	0.182382	-1.439314	-0.488760
15	0.961221	1.843813	0.263693
6	-5.711445	0.385119	0.716893
6	-6.352960	0.914790	-0.415696
6	-7.709413	1.244090	-0.389003
6	-8.452390	1.051103	0.776628
6	-7.834167	0.529848	1.915691
6	-6.478646	0.202415	1.882416
1	-8.185946	1.652963	-1.276299
1	-9.508418	1.307456	0.799238
1	-8.408497	0.380849	2.826601
1	-6.005926	-0.195984	2.777649
14	-3.895174	-0.112389	0.685296
8	-3.220872	0.417389	2.143593
1	-3.290983	1.374623	2.270645
1	-1.031284	0.506492	1.063212
6	6.443694	0.600150	-0.820404
6	5.239523	0.301999	-0.224256
6	4.175220	-0.283830	-0.964959
6	4.395157	-0.554625	-2.352070
6	5.640383	-0.218747	-2.943293
6	6.648824	0.344944	-2.196158
1	7.241047	1.043482	-0.230391
1	5.091610	0.517063	0.826847
6	2.903506	-0.586729	-0.371468
6	3.357517	-1.164501	-3.097434
1	5.783277	-0.424591	-4.001175
1	7.600754	0.592152	-2.657413
6	2.165182	-1.493962	-2.504309
6	1.909337	-1.208445	-1.134130
1	3.523885	-1.384394	-4.149172
6	4.536998	-2.697138	4.044803
6	3.737905	-1.642115	4.420649
6	3.139450	-0.798483	3.449470
6	3.345897	-1.064795	2.059446
6	4.176825	-2.164648	1.707740
6	4.763171	-2.951951	2.672322
1	2.203154	0.532075	4.874661
1	4.996479	-3.332108	4.796926
1	3.558660	-1.429845	5.471657
6	2.351180	0.318544	3.818991
6	2.707681	-0.238944	1.074094
1	4.345167	-2.381564	0.660074
1	5.397445	-3.782947	2.376425

6	1.960294	0.870817	1.477744
6	1.799673	1.136202	2.865558
1	1.398158	-1.979930	-3.094521
1	1.223636	1.999200	3.176487
6	2.154462	2.357437	-1.024418
6	3.430896	2.855821	-0.729994
6	1.771715	2.203404	-2.363930
6	4.309193	3.192934	-1.757703
1	3.745675	2.950700	0.304966
6	2.654574	2.532750	-3.391718
1	0.785498	1.810446	-2.595778
6	3.924795	3.025748	-3.089412
1	5.304276	3.555686	-1.519711
1	2.354567	2.393044	-4.426407
1	4.618756	3.270202	-3.888360
6	0.530885	3.403785	1.141857
6	1.147941	4.635891	0.887574
6	-0.549946	3.367021	2.042545
6	0.708045	5.795998	1.529344
1	1.967160	4.696131	0.180443
6	-0.972771	4.520490	2.698609
1	-1.059286	2.423323	2.215526
6	-0.345864	5.742791	2.440740
1	1.195089	6.743443	1.315033
1	-1.801330	4.470011	3.400059
1	-0.684551	6.646325	2.939570
6	-0.533287	-2.686371	-1.640134
6	-0.612632	-4.062990	-1.388415
6	-1.077720	-2.186129	-2.835825
6	-1.190490	-4.920625	-2.326422
1	-0.232233	-4.467638	-0.457712
6	-1.642789	-3.044512	-3.776723
1	-1.074857	-1.115800	-3.015593
6	-1.696453	-4.417686	-3.526295
1	-1.248689	-5.984777	-2.115040
1	-2.058523	-2.637850	-4.694393
1	-2.147369	-5.088303	-4.252208
6	0.412916	-2.357432	1.079990
6	-0.330107	-1.984178	2.208562
6	1.325649	-3.417459	1.185227
6	-0.153290	-2.652713	3.420029
1	-1.036255	-1.163996	2.143680
6	1.493630	-4.089939	2.393331
1	1.928293	-3.694534	0.325603
6	0.758948	-3.703813	3.515756
1	-0.725724	-2.343481	4.289930
1	2.220021	-4.893326	2.466586
1	0.904490	-4.216519	4.462254
1	-5.784272	1.069768	-1.328880
6	-3.066698	0.636470	-0.803038
6	-2.505190	1.983837	-0.731839
6	-3.392448	0.111319	-2.113940
6	-2.145143	2.635275	-1.961154
1	-2.638349	2.608306	0.150091
6	-3.031849	0.767645	-3.260131
1	-3.912857	-0.840219	-2.177180
6	-2.337666	2.019966	-3.177158
1	-1.687722	3.620724	-1.910119
1	-3.264159	0.346483	-4.234720
1	-2.021984	2.518860	-4.090097
6	-3.755245	-1.997334	0.750549
1	-3.900097	-2.278237	1.804258
1	-2.739700	-2.295739	0.471005
6	-4.770463	-2.680270	-0.118122
1	-5.811816	-2.540967	0.173163
6	-4.492058	-3.394726	-1.211799
1	-5.279773	-3.844662	-1.810706
1	-3.471065	-3.556462	-1.542820

INT17a

45	0.725660	1.051663	-0.002403
15	0.197924	-1.110839	0.637812
15	-1.455905	1.833948	-0.337292
6	4.396914	-1.049640	-0.379253
6	3.954258	-2.206983	-1.042454
6	4.299776	-3.482233	-0.593029
6	5.125786	-3.625345	0.523871
6	5.589878	-2.488999	1.190444
6	5.218567	-1.218290	0.749268
1	3.922732	-4.358047	-1.114284
1	5.408038	-4.615556	0.872403
1	6.234050	-2.592968	2.059835
1	5.576640	-0.349843	1.295523
14	3.921477	0.633673	-1.070065
8	3.069282	0.423501	-2.500599
1	2.116685	0.388819	-2.302559
1	0.595160	0.578426	-1.456432
6	-6.362983	-1.019638	0.393971

6	-5.071992	-0.956514	-0.079622	6	-0.674855	3.787212	-2.162872
6	-3.963754	-1.214162	0.773836	6	-2.610760	5.663802	-1.472707
6	-4.228712	-1.573220	2.132352	1	-3.326997	4.199769	-0.073531
6	-5.569389	-1.623724	2.593488	6	-0.704738	5.022178	-2.806049
6	-6.617982	-1.348322	1.746389	1	0.100796	3.067588	-2.403187
1	-7.193605	-0.814364	-0.275469	6	-1.673421	5.968034	-2.459434
1	-4.888470	-0.695949	-1.115100	1	-3.361851	6.396654	-1.190497
6	-2.607288	-1.088135	0.324622	1	0.037517	5.252218	-3.565449
6	-3.136451	-1.877447	2.979708	1	-1.689765	6.937667	-2.949002
1	-5.750968	-1.887622	3.632315	6	1.160360	-1.402398	2.166276
1	-7.641045	-1.390070	2.109281	6	2.234320	-2.298604	2.230340
6	-1.846389	-1.791407	2.520953	6	0.923809	-0.549653	3.262292
6	-1.556576	-1.361569	1.196149	6	3.029529	-2.363785	3.375381
1	-3.333919	-2.187602	4.002921	1	2.469669	-2.930824	1.383001
6	-2.721423	-3.795830	-4.038807	6	1.717602	-0.619780	4.403629
6	-2.542165	-2.491007	-4.435579	1	0.108959	0.165762	3.220408
6	-2.448668	-1.446714	-3.478925	6	2.775086	-1.530928	4.465134
6	-2.549726	-1.757407	-2.085751	1	3.858356	-3.063285	3.402813
6	-2.750746	-3.115442	-1.711991	1	1.514011	0.040513	5.242399
6	-2.824386	-4.106963	-2.661842	1	3.397839	-1.586085	5.353583
1	-2.213673	0.151741	-4.918324	6	0.428731	-2.612174	-0.394412
1	-2.782674	-4.589308	-4.778187	6	0.291994	-3.900140	0.143898
1	-2.462530	-2.237812	-5.489878	6	0.657143	-2.469134	-1.766480
6	-2.254171	-0.096171	-3.860429	6	0.418441	-5.021844	-0.673137
6	-2.402516	-0.715324	-1.112765	1	0.090880	-4.023344	1.203981
1	-2.812181	-3.367479	-0.660463	6	0.765550	-3.589969	-2.589138
1	-2.952971	-5.139856	-2.352107	1	0.742179	-1.474309	-2.188662
6	-2.151277	0.595215	-1.524090	6	0.655694	-4.867951	-2.041888
6	-2.107672	0.888845	-2.914967	1	0.322463	-6.015813	-0.244765
1	-1.031581	-2.044744	3.186455	1	0.927652	-3.461677	-3.654952
1	-1.944775	1.911299	-3.234081	1	0.741945	-5.742836	-2.680220
6	-2.662486	1.936775	1.037682	1	3.330787	-2.104193	-1.922989
6	-4.049899	1.945214	0.836873	6	2.853429	1.606811	0.113376
6	-2.161504	1.986399	2.344753	6	2.111383	2.755754	-0.387667
6	-4.920079	1.986870	1.924337	6	2.911210	1.497147	1.548186
1	-4.446755	1.890168	-0.171777	6	1.774718	3.853958	0.483121
6	-3.031808	2.028093	3.434097	1	2.161579	2.970303	-1.452030
1	-1.085054	1.982744	2.498329	6	2.361324	2.461461	2.368466
6	-4.411909	2.022855	3.224348	1	3.355563	0.610439	1.990213
1	-5.992451	1.962091	1.757700	6	1.869208	3.703845	1.837362
1	-2.633236	2.054953	4.444477	1	1.389584	4.770290	0.044148
1	-5.091228	2.039861	4.071867	1	2.380823	2.311353	3.444616
6	-1.628908	3.460945	-1.182771	1	1.568692	4.496911	2.515838
6	-2.593241	4.418358	-0.840794	6	5.445587	1.639536	-1.541466

1	6.013376	1.103020	-2.314515
1	5.070931	2.556619	-2.020153
6	6.370639	2.013831	-0.371965
1	6.808700	1.102136	0.054283
1	5.780893	2.477298	0.431340
6	7.498209	2.965361	-0.783969
1	8.149321	3.212512	0.063239
1	8.121136	2.517895	-1.568222
1	7.091218	3.903716	-1.180188

INT18a

45	-0.867610	1.000093	-0.470216
17	-1.185629	3.369229	-1.384915
6	-3.834929	3.727186	-0.538607
6	-2.390951	4.020819	-0.148975
6	-4.080066	2.386420	-1.246517
1	-4.401621	3.758232	0.402587
1	-4.209007	4.551460	-1.159615
1	-2.091953	3.528314	0.772428
1	-5.162555	2.204596	-1.266734
1	-3.771842	2.476975	-2.296149
14	-3.229424	0.775740	-0.597806
6	-3.958579	0.547470	1.163572
6	-5.044669	-0.277366	1.506938
6	-3.338544	1.244082	2.218629
6	-5.488197	-0.398169	2.826268
1	-5.540316	-0.859319	0.736201
6	-3.777022	1.139823	3.538364
1	-2.464382	1.853462	1.998438
6	-4.858646	0.313176	3.848279
1	-6.324965	-1.053466	3.056532
1	-3.267802	1.689819	4.326723
6	5.874266	-1.369394	-1.934266
6	4.833791	-1.230114	-1.042401
6	3.484271	-1.387727	-1.459173
6	3.235133	-1.676868	-2.837157
6	4.325592	-1.802810	-3.733667
6	5.622161	-1.657569	-3.294351
1	6.897697	-1.250178	-1.589802
1	5.041319	-0.997776	-0.005187
6	2.376943	-1.243294	-0.553108
6	1.891771	-1.800392	-3.275099
1	4.115468	-2.015715	-4.778781
1	6.450692	-1.759397	-3.989442
6	0.851903	-1.686879	-2.390616
6	1.075454	-1.442894	-1.002130
1	1.696357	-1.978603	-4.329485
6	4.260617	-3.318360	3.805747
6	4.039158	-1.991609	4.094979
6	3.527248	-1.108081	3.109768
6	3.236086	-1.612131	1.802913
6	3.486955	-2.984989	1.533348
6	3.984339	-3.816848	2.509837
1	3.530976	0.651211	4.365742
1	4.648700	-3.986758	4.569047
1	4.248103	-1.598958	5.086840
6	3.285484	0.260043	3.381552
6	2.662293	-0.743254	0.827091
1	3.265948	-3.371662	0.544806
1	4.162522	-4.865241	2.288085
6	2.390403	0.587584	1.143912
6	2.735722	1.082792	2.428641
1	-0.166066	-1.767509	-2.752688
1	2.548787	2.122868	2.666275
15	-0.441874	-1.115961	0.012074
15	1.390136	1.613762	-0.028517
6	-0.071122	-1.538483	1.767415
6	0.287534	-2.840741	2.144104
6	-0.242616	-0.564853	2.755237
6	0.506711	-3.149849	3.483319
1	0.398224	-3.610519	1.387101
6	-0.033178	-0.876238	4.098716
1	-0.545398	0.431040	2.451226
6	0.348916	-2.166903	4.463757
1	0.809170	-4.154670	3.762310
1	-0.168745	-0.110268	4.857224
1	0.519210	-2.410459	5.508742
6	-1.510455	-2.583651	-0.342250
6	-2.769984	-2.590565	0.273403
6	-1.136024	-3.688810	-1.116330
6	-3.660253	-3.638728	0.067471
1	-3.059953	-1.765841	0.912047
6	-2.030091	-4.742225	-1.322897
1	-0.150882	-3.740155	-1.563912
6	-3.299445	-4.713168	-0.747673
1	-4.639805	-3.606565	0.535275
1	-1.728120	-5.586550	-1.936958
1	-3.998250	-5.526055	-0.923631

6	2.488829	1.769136	-1.486377
6	3.878095	1.922406	-1.378608
6	1.904486	1.668241	-2.755849
6	4.669702	1.974272	-2.523505
1	4.339331	1.969558	-0.396243
6	2.698326	1.723823	-3.901439
1	0.831717	1.510413	-2.829338
6	4.080649	1.872259	-3.786317
1	5.747508	2.070898	-2.431849
1	2.238732	1.630109	-4.881317
1	4.701759	1.896929	-4.677122
6	1.406039	3.278567	0.753538
6	0.519891	3.494500	1.823187
6	2.167422	4.352389	0.280596
6	0.411812	4.749816	2.416733
1	-0.091599	2.669265	2.178244
6	2.047872	5.615411	0.866269
1	2.844974	4.207465	-0.553641
6	1.174330	5.817766	1.934413
1	-0.273933	4.898625	3.246573
1	2.639673	6.442244	0.483274
1	1.083925	6.800858	2.387723
1	-5.200423	0.217423	4.875471
6	-4.021974	-0.489392	-1.782959
6	-5.407311	-0.722194	-1.846061
6	-3.213702	-1.207889	-2.678466
6	-5.951932	-1.668624	-2.716478
1	-6.080557	-0.154815	-1.208130
6	-3.744003	-2.153253	-3.555370
1	-2.144141	-1.021315	-2.670040
6	-5.118324	-2.397282	-3.566284
1	-7.026402	-1.835481	-2.733507
1	-3.086470	-2.706744	-4.221182
1	-5.537799	-3.141175	-4.238806
1	-2.170774	5.086661	-0.076548

INT19a

6	3.839731	-2.153423	3.764967
6	3.484197	-1.614356	2.549199
6	2.515174	-0.577524	2.460066
6	1.913359	-0.114405	3.672089
6	2.286127	-0.702628	4.907669
6	3.233063	-1.699483	4.958505
1	4.587153	-2.940701	3.806642
1	3.946640	-1.982400	1.641835
6	2.115738	-0.004151	1.205345
6	0.950262	0.921928	3.603020
1	1.809322	-0.344447	5.816479
1	3.515287	-2.139119	5.910854
6	0.622913	1.497768	2.402631
6	1.213496	1.057196	1.184077
1	0.477186	1.262722	4.520571
6	6.707641	0.251616	-1.136370
6	5.943808	-0.573279	-1.928744
6	4.604046	-0.883494	-1.578087
6	4.038255	-0.319254	-0.391906
6	4.856446	0.530156	0.403087
6	6.155857	0.804184	0.043500
1	4.235864	-2.186715	-3.263264
1	7.732904	0.480656	-1.412567
1	6.354759	-1.004507	-2.838017
6	3.805348	-1.742707	-2.369170
6	2.675630	-0.601390	-0.050727
1	4.438679	0.969254	1.301158
1	6.761591	1.456462	0.666184
6	1.913855	-1.448357	-0.860256
6	2.507494	-2.020571	-2.017361
1	-0.107221	2.296277	2.374284
1	1.922670	-2.689032	-2.637102
15	0.535529	1.744840	-0.388549
15	0.081726	-1.655072	-0.592577
6	1.975160	1.966813	-1.512507
6	3.104228	2.723459	-1.177418
6	1.910118	1.359564	-2.774586
6	4.160911	2.846385	-2.076513
1	3.165881	3.205862	-0.207895
6	2.967951	1.481333	-3.674299
1	1.025423	0.784783	-3.045600
6	4.098249	2.220163	-3.322946
1	5.042069	3.416341	-1.797754
1	2.910801	0.994279	-4.643452
1	4.929075	2.308546	-4.016932
6	0.129175	3.488128	0.021475
6	-0.909595	4.100528	-0.687483
6	0.871909	4.249629	0.938215
6	-1.204682	5.448349	-0.483264
1	-1.490042	3.509847	-1.386384
6	0.570780	5.593969	1.145895

1	1.675417	3.789739	1.504386	6	-4.148975	4.214759	0.729149
6	-0.468722	6.197005	0.433895	1	-4.562239	3.120730	-1.064386
1	-2.023233	5.905625	-1.030691	6	-2.801829	3.086628	2.378025
1	1.148616	6.170875	1.862854	1	-2.169092	1.102888	1.880408
1	-0.704980	7.244633	0.598698	6	-3.509589	4.218047	1.968815
6	-0.017776	-2.200723	1.152454	1	-4.700322	5.091832	0.399482
6	0.852498	-3.173374	1.668153	1	-2.299801	3.078503	3.342771
6	-0.994621	-1.650000	1.985469	1	-3.557183	5.095304	2.607937
6	0.734028	-3.592141	2.990766	6	-4.482024	0.615573	-2.254884
1	1.636501	-3.584330	1.039188	1	-4.239188	1.502074	-2.854941
6	-1.113236	-2.068338	3.309752	1	-4.332090	-0.255846	-2.903636
1	-1.669489	-0.907050	1.587997	6	-5.886473	0.655946	-1.738453
6	-0.249074	-3.038940	3.814934	1	-6.245026	1.622706	-1.384463
1	1.424360	-4.331135	3.385642	6	-6.695073	-0.400921	-1.617704
1	-1.884407	-1.634366	3.938889	1	-6.381946	-1.395003	-1.929636
1	-0.333776	-3.361684	4.848666	1	-7.690188	-0.313461	-1.190375
6	-0.325454	-3.179814	-1.551367	1	-1.619187	1.534364	-2.244178
6	-0.524897	-3.042168	-2.935365				
6	-0.518173	-4.437343	-0.967128	**INT20a**			
6	-0.878025	-4.139365	-3.718311	45	0.434187	0.615406	-0.924108
1	-0.433107	-2.060421	-3.390230	6	1.555124	-1.273580	-2.817331
6	-0.888316	-5.533352	-1.749805	6	1.552173	0.252773	-2.665610
1	-0.407821	-4.562325	0.102849	6	1.566374	-2.004913	-1.456436
6	-1.063446	-5.390755	-3.125794	1	0.661752	-1.579410	-3.377147
1	-1.026048	-4.012530	-4.787058	1	2.415190	-1.614832	-3.412838
1	-1.044814	-6.499231	-1.277271	1	1.134010	0.726821	-3.555504
1	-1.353809	-6.244361	-3.731729	1	2.566043	0.633573	-2.537715
45	-0.975703	0.293556	-1.460396	1	0.696741	-1.689525	-0.845958
1	-1.934263	-0.626127	-2.356755	1	1.405273	-3.080447	-1.599990
14	-3.181324	0.440780	-0.856160	14	3.102168	-1.741155	-0.405924
6	-3.702339	-1.096675	0.121810	6	2.980955	-2.849858	1.117361
6	-4.358014	-1.009435	1.361796	6	1.805639	-3.553092	1.430026
6	-3.426340	-2.380263	-0.379251	6	4.068067	-2.970366	2.002874
6	-4.688382	-2.154999	2.088175	6	1.713817	-4.344158	2.576203
1	-4.603268	-0.034083	1.771427	1	0.938580	-3.477680	0.781267
6	-3.757683	-3.529555	0.337755	6	3.986626	-3.762413	3.149092
1	-2.924359	-2.482713	-1.335616	1	4.997150	-2.446974	1.787096
6	-4.380056	-3.419098	1.582254	6	2.805548	-4.451574	3.437868
1	-5.187474	-2.060983	3.049711	1	0.785704	-4.863244	2.795202
1	-3.514186	-4.506871	-0.070197	1	4.841952	-3.843652	3.815194
1	-4.626563	-4.311077	2.152356	6	-2.553280	-4.164088	2.981574
6	-3.369769	1.938723	0.294094	6	-2.716058	-2.996082	2.273740
6	-4.073835	3.090164	-0.094543	6	-2.314081	-2.900790	0.913352
6	-2.735839	1.967394	1.548845	6	-1.758374	-4.063239	0.290603

6	-1.613403	-5.258529	1.042497	6	-1.345354	0.490887	-6.036285
6	-1.999074	-5.309871	2.362366	1	-0.626287	1.426402	-4.238243
1	-2.850206	-4.207107	4.025207	6	-2.709684	-1.475779	-5.727796
1	-3.142564	-2.126056	2.754730	1	-3.065073	-2.073825	-3.697556
6	-2.452494	-1.686354	0.163210	6	-2.094640	-0.554610	-6.577341
6	-1.366740	-3.982292	-1.067601	1	-0.877975	1.223246	-6.688300
1	-1.183982	-6.129907	0.555311	1	-3.313095	-2.279826	-6.140038
1	-1.879859	-6.227420	2.931418	1	-2.208657	-0.644773	-7.653789
6	-1.460057	-2.799934	-1.756018	6	-0.329912	-0.070238	2.636800
6	-1.995070	-1.623527	-1.154924	6	-1.216860	-0.368326	3.684460
1	-0.955012	-4.863814	-1.552009	6	1.003289	-0.484206	2.734023
6	-7.486408	-1.048332	0.841908	6	-0.774825	-1.075012	4.800987
6	-6.913959	0.104498	1.325964	1	-2.249355	-0.039445	3.629665
6	-5.505868	0.278194	1.314154	6	1.444890	-1.185916	3.855970
6	-4.664435	-0.762056	0.812310	1	1.694890	-0.257458	1.933151
6	-5.292104	-1.941412	0.318883	6	0.557597	-1.487395	4.887049
6	-6.662103	-2.077886	0.329689	1	-1.471357	-1.304794	5.603045
1	-5.538994	2.280432	2.128052	1	2.475781	-1.518515	3.902266
1	-8.565633	-1.170692	0.847805	1	0.899813	-2.047613	5.752748
1	-7.531519	0.910366	1.714235	6	-0.813382	2.645581	1.862162
6	-4.905582	1.480918	1.752483	6	-0.998277	3.717118	0.980169
6	-3.239217	-0.565098	0.763696	6	-0.728824	2.913820	3.235709
1	-4.681910	-2.740346	-0.082812	6	-1.114605	5.024064	1.453462
1	-7.114424	-2.985875	-0.058685	1	-1.068573	3.522278	-0.081121
6	-2.682256	0.632156	1.202487	6	-0.841809	4.220246	3.710814
6	-3.547013	1.651358	1.695091	1	-0.578156	2.101432	3.936996
1	-1.089984	-2.753647	-2.771779	6	-1.041907	5.279087	2.823264
1	-3.128133	2.587074	2.035073	1	-1.254533	5.840144	0.750345
15	-1.637981	-0.013392	-1.986112	1	-0.768695	4.410139	4.777845
15	-0.833974	0.927854	1.176673	1	-1.128201	6.295792	3.195613
6	-3.112736	1.079305	-1.873615	1	2.738291	-5.066542	4.331683
6	-4.422591	0.594608	-1.964318	6	4.641976	-2.244427	-1.369305
6	-2.895445	2.460327	-1.826084	6	5.244840	-3.504957	-1.219683
6	-5.499740	1.477434	-1.949352	6	5.196700	-1.361132	-2.312944
1	-4.602889	-0.473009	-2.026785	6	6.356498	-3.870612	-1.980934
6	-3.973181	3.346259	-1.826679	1	4.845674	-4.206376	-0.491568
1	-1.877050	2.832403	-1.796125	6	6.306286	-1.720075	-3.078257
6	-5.277730	2.854926	-1.875430	1	4.754159	-0.378038	-2.446974
1	-6.512526	1.086963	-1.984570	6	6.889598	-2.977911	-2.912333
1	-3.792164	4.416661	-1.782367	1	6.808344	-4.850133	-1.845693
1	-6.119674	3.541316	-1.862203	1	6.718070	-1.018540	-3.799277
6	-1.780046	-0.338759	-3.794625	1	7.756668	-3.259787	-3.504105
6	-1.192147	0.600215	-4.654755	6	2.326528	1.055252	-0.138797
6	-2.562494	-1.363721	-4.345483	6	3.237691	0.060149	0.032931

14	2.963950	2.782936	0.340921
6	4.867459	2.850397	0.060345
1	5.254359	2.010498	0.654737
6	2.655554	2.879390	2.239306
1	1.681662	2.395959	2.367035
6	2.052033	4.133648	-0.668158
1	1.004563	3.985332	-0.384452
6	5.299574	2.603215	-1.394230
1	4.791322	1.736414	-1.826933
1	5.077518	3.469057	-2.027644
1	6.382002	2.424447	-1.458909
6	5.546398	4.117750	0.608874
1	5.317156	4.288073	1.665676
1	6.639450	4.043402	0.517233
1	5.238792	5.012773	0.057718
6	3.670774	2.020238	3.014373
1	4.673569	2.463353	2.997462
1	3.371236	1.929548	4.067609
1	3.747205	1.007194	2.606980
6	2.543697	4.274453	2.870639
1	1.714389	4.844078	2.446134
1	2.361432	4.195735	3.951904
1	3.460541	4.860906	2.738563
6	2.146234	3.907897	-2.189868
1	1.431636	4.556032	-2.719004
1	3.143394	4.160654	-2.565208
1	1.932685	2.874906	-2.472175
6	2.406013	5.596844	-0.354327
1	2.330594	5.836600	0.708419
1	3.425372	5.836863	-0.676178
1	1.733793	6.277533	-0.897125
1	4.230382	0.316041	0.424481
1	0.269514	2.080803	-1.292126

INT21a

45	0.682777	0.747720	-0.475722
15	-0.348391	-1.349128	-0.474596
15	-1.107009	1.826414	0.189505
6	5.097644	-1.232714	0.888250
6	5.238383	-1.437520	2.272251
6	5.947508	-2.531138	2.771061
6	6.531174	-3.445729	1.890757
6	6.407776	-3.256473	0.513240
6	5.698892	-2.159449	0.021752
1	6.041183	-2.673876	3.844522
1	7.079464	-4.300976	2.276904
1	6.857255	-3.965858	-0.176666
1	5.599539	-2.039698	-1.053685
14	4.067204	0.205222	0.269371
8	2.981257	0.510964	1.505183
1	2.145763	0.929236	1.171234
1	1.395925	2.197345	-0.418069
6	-5.710829	-0.184523	3.133461
6	-4.908727	-0.172334	2.015266
6	-3.662134	-0.857252	1.997227
6	-3.268978	-1.570248	3.173142
6	-4.110834	-1.552609	4.315406
6	-5.307901	-0.875114	4.300563
1	-6.658790	0.346083	3.122385
1	-5.222334	0.371361	1.132441
6	-2.788458	-0.829874	0.860718
6	-2.045918	-2.282601	3.161164
1	-3.790041	-2.091147	5.203511
1	-5.946138	-0.870857	5.179545
6	-1.241455	-2.281340	2.049432
6	-1.590388	-1.543371	0.886803
1	-1.753351	-2.840783	4.046980
6	-6.283407	-1.621177	-2.845426
6	-5.674732	-0.431325	-3.171294
6	-4.661714	0.119185	-2.344402
6	-4.256785	-0.579339	-1.163937
6	-4.905190	-1.808595	-0.860400
6	-5.894443	-2.311691	-1.674228
1	-4.347470	1.889730	-3.545721
1	-7.060842	-2.031846	-3.483362
1	-5.962617	0.111159	-4.068265
6	-4.036124	1.350841	-2.654301
6	-3.209400	-0.041216	-0.342428
1	-4.606537	-2.355791	0.025098
1	-6.374944	-3.252047	-1.419126
6	-2.619582	1.178947	-0.677385
6	-3.057114	1.866231	-1.843454
1	-0.318975	-2.847906	2.061558
1	-2.601041	2.814358	-2.100241
6	-1.535032	1.742405	1.971332
6	-2.788045	2.143748	2.457413
6	-0.584261	1.240452	2.869071
6	-3.077650	2.061897	3.817423

1	-3.552190	2.484421	1.765747
6	-0.879827	1.147061	4.228874
1	0.376116	0.907323	2.489367
6	-2.124707	1.559926	4.705281
1	-4.058423	2.355766	4.177762
1	-0.138423	0.743752	4.912605
1	-2.358299	1.479477	5.763051
6	-1.142892	3.629416	-0.215907
6	-1.774668	4.594947	0.576554
6	-0.506590	4.038051	-1.399382
6	-1.782032	5.936511	0.187561
1	-2.244939	4.313597	1.510530
6	-0.530435	5.373282	-1.796223
1	0.025812	3.297572	-1.988792
6	-1.169303	6.328488	-1.001739
1	-2.265960	6.674690	0.821223
1	-0.035187	5.670397	-2.716562
1	-1.177111	7.372534	-1.302287
6	0.815382	-2.755362	-0.231899
6	0.863986	-3.869584	-1.080286
6	1.774338	-2.640942	0.791910
6	1.835413	-4.856480	-0.896295
1	0.152938	-3.965423	-1.892511
6	2.731125	-3.635870	0.983616
1	1.798347	-1.750198	1.413420
6	2.764348	-4.746345	0.137891
1	1.863690	-5.710774	-1.567429
1	3.471536	-3.524192	1.767870
1	3.525415	-5.508957	0.275722
6	-1.284505	-1.787647	-1.986837
6	-2.133538	-2.900034	-2.064314
6	-1.161033	-0.939049	-3.094958
6	-2.846341	-3.159845	-3.232726
1	-2.255006	-3.545894	-1.199438
6	-1.880478	-1.196257	-4.261638
1	-0.521029	-0.064147	-3.012645
6	-2.724632	-2.305422	-4.330848
1	-3.517645	-4.012019	-3.277998
1	-1.792992	-0.522898	-5.109645
1	-3.295988	-2.499749	-5.233953
1	4.765930	-0.743695	2.961907
6	5.148989	1.692315	-0.092429
6	4.560884	2.940781	-0.370707
6	6.548604	1.592189	-0.148772
6	5.345834	4.046793	-0.695405
1	3.478739	3.045101	-0.332152
6	7.337964	2.697085	-0.474203
1	7.027636	0.640350	0.067440
6	6.736773	3.926073	-0.748756
1	4.873871	5.003474	-0.904392
1	8.420012	2.599769	-0.510795
1	7.349207	4.787929	-1.001018
6	3.134667	-0.250798	-1.319507
1	2.708922	-1.251973	-1.226787
1	2.299059	0.496336	-1.454533
6	3.899886	-0.135152	-2.649897
1	4.747483	-0.833396	-2.646668
1	4.330454	0.868857	-2.739596
6	2.999426	-0.430461	-3.852255
1	3.547528	-0.352464	-4.798404
1	2.574427	-1.439367	-3.785100
1	2.161667	0.277353	-3.884874

INT22a

45	0.935885	0.541965	-0.720312
15	-0.287290	-1.475524	-0.382980
15	-0.842069	1.845230	0.011158
6	4.693403	-1.342015	0.719826
6	4.967382	-1.377879	2.097002
6	5.749639	-2.391762	2.651237
6	6.280324	-3.390175	1.829335
6	6.024321	-3.368604	0.457125
6	5.235216	-2.354419	-0.087302
1	5.946672	-2.405889	3.720259
1	6.889357	-4.181640	2.258213
1	6.429797	-4.146418	-0.184576
1	5.018325	-2.360872	-1.152973
14	3.648254	0.018843	-0.046302
8	2.442014	0.401286	1.149709
1	2.528571	1.316594	1.457198
1	1.704304	1.855929	-1.164009
6	-5.430466	0.465866	3.238704
6	-4.657964	0.319008	2.109423
6	-3.471519	-0.466051	2.125913
6	-3.106050	-1.103210	3.352895
6	-3.914787	-0.921644	4.504843
6	-5.055434	-0.154749	4.453256
1	-6.332460	1.070132	3.199200

1	-4.949063	0.811609	1.189908	1	-1.179138	6.839075	0.454140
6	-2.634897	-0.615215	0.969700	1	0.324159	5.336577	-3.284895
6	-1.943431	-1.908887	3.379235	1	-0.313270	7.262401	-1.839032
1	-3.614667	-1.407311	5.429968	6	0.763634	-2.940541	-0.009984
1	-5.669914	-0.025678	5.339716	6	0.728202	-4.123301	-0.760709
6	-1.170617	-2.066750	2.256091	6	1.720246	-2.819098	1.012771
6	-1.490602	-1.413644	1.035464	6	1.607756	-5.169615	-0.474289
1	-1.672542	-2.412760	4.303808	1	0.020140	-4.229842	-1.573808
6	-6.364217	-1.485809	-2.487766	6	2.583961	-3.871083	1.308517
6	-5.679806	-0.390791	-2.961624	1	1.804712	-1.888223	1.564508
6	-4.585387	0.152648	-2.240115	6	2.529517	-5.050871	0.565329
6	-4.173740	-0.458360	-1.014260	1	1.569856	-6.077811	-1.069891
6	-4.899491	-1.594199	-0.559764	1	3.326168	-3.750134	2.090080
6	-5.969853	-2.087156	-1.270353	1	3.217537	-5.862671	0.783583
1	-4.206481	1.771682	-3.623052	6	-1.357955	-2.059858	-1.754627
1	-7.205437	-1.889440	-3.044078	6	-2.258891	-3.116863	-1.554589
1	-5.970863	0.083535	-3.895486	6	-1.302321	-1.441823	-3.008585
6	-3.891913	1.300056	-2.695354	6	-3.092628	-3.539524	-2.586420
6	-3.053789	0.078893	-0.292275	1	-2.320268	-3.593365	-0.580576
1	-4.597357	-2.076985	0.361110	6	-2.145791	-1.858977	-4.038545
1	-6.509334	-2.953649	-0.898326	1	-0.611173	-0.622974	-3.162601
6	-2.412573	1.226573	-0.760360	6	-3.044445	-2.904501	-3.829300
6	-2.851579	1.826322	-1.972114	1	-3.799027	-4.345839	-2.413326
1	-0.298978	-2.706274	2.302452	1	-2.105193	-1.357626	-5.001426
1	-2.352625	2.717502	-2.332628	1	-3.710774	-3.220478	-4.626719
6	-1.248477	1.955203	1.797210	1	4.550740	-0.610317	2.745027
6	-2.418389	2.566891	2.271266	6	4.730579	1.552656	-0.181509
6	-0.365369	1.370462	2.714581	6	4.198933	2.853844	-0.267620
6	-2.687692	2.613854	3.637088	6	6.130670	1.417570	-0.191795
1	-3.134024	2.979562	1.566622	6	5.030465	3.970289	-0.360755
6	-0.642070	1.408449	4.081374	1	3.121415	2.993572	-0.288536
1	0.513483	0.849761	2.349644	6	6.966346	2.530268	-0.294698
6	-1.799936	2.033727	4.544999	1	6.574114	0.428694	-0.111760
1	-3.605798	3.073034	3.990265	6	6.417214	3.810728	-0.377320
1	0.039475	0.933485	4.781491	1	4.594392	4.963812	-0.426258
1	-2.021049	2.054116	5.608161	1	8.045184	2.398286	-0.304269
6	-0.726320	3.607349	-0.534796	1	7.066180	4.679273	-0.453465
6	-1.068124	4.698909	0.274116	6	2.670724	-0.444677	-1.539526
6	-0.207334	3.860363	-1.817490	1	2.492703	-1.526638	-1.578562
6	-0.916109	6.006719	-0.193001	1	0.348331	0.700354	-2.127128
1	-1.437491	4.538923	1.279328	6	3.222049	0.027099	-2.889512
6	-0.074569	5.164524	-2.288958	1	4.165967	-0.500402	-3.112816
1	0.116977	3.027348	-2.430986	1	3.475142	1.093037	-2.838725
6	-0.428950	6.244587	-1.477026	6	2.271884	-0.204086	-4.067906

1	2.754396	0.031259	-5.025237
1	1.938106	-1.249220	-4.103414
1	1.380764	0.424486	-3.966542

INT2a

45	1.036827	0.298163	-1.493520
17	2.622255	2.065807	-1.819727
6	2.438567	-2.040143	-3.212127
6	1.920028	-0.584498	-3.206918
6	2.556156	-2.638334	-1.796420
1	1.802622	-2.681900	-3.829811
1	3.427822	-2.057017	-3.688316
1	1.151349	-0.411600	-3.973905
1	2.733533	0.107749	-3.428398
1	1.664543	-3.240380	-1.574734
1	3.419788	-3.308234	-1.699699
14	2.593794	-1.195468	-0.560448
6	2.394058	-1.925472	1.179894
6	2.004173	-1.208761	2.319709
6	2.818474	-3.254971	1.366021
6	2.042383	-1.778951	3.591220
1	1.650211	-0.196058	2.217465
6	2.854084	-3.837031	2.634072
1	3.133221	-3.848157	0.512074
6	2.468265	-3.097365	3.754104
1	1.721066	-1.193856	4.447712
1	3.189151	-4.865177	2.748036
6	-2.365250	-0.596219	5.051335
6	-2.335398	-0.230659	3.725109
6	-1.732595	-1.066512	2.742491
6	-1.190271	-2.317621	3.171240
6	-1.240808	-2.671098	4.544997
6	-1.808943	-1.828545	5.470679
1	-2.824416	0.063914	5.781577
1	-2.781591	0.707682	3.418301
6	-1.675467	-0.701354	1.351784
6	-0.584729	-3.164832	2.214457
1	-0.804133	-3.618307	4.849254
1	-1.835592	-2.104660	6.520798
6	-0.486503	-2.776876	0.905344
6	-1.060891	-1.558340	0.442710
1	-0.130777	-4.094169	2.541143
6	-6.677019	0.274040	0.854497
6	-6.055613	1.470660	0.583872
6	-4.642099	1.582290	0.628355
6	-3.849468	0.442952	0.966930
6	-4.527419	-0.775337	1.253963
6	-5.899988	-0.858896	1.192237
1	-4.578632	3.675309	0.089702
1	-7.759469	0.195111	0.811057
1	-6.636501	2.350710	0.320303
6	-3.984247	2.794913	0.320218
6	-2.413788	0.534114	0.940502
1	-3.950482	-1.656037	1.506314
1	-6.391145	-1.804182	1.404703
6	-1.797772	1.726696	0.560548
6	-2.616439	2.860605	0.281425
1	0.051930	-3.407583	0.210824
1	-2.149986	3.797815	0.015319
15	-0.748869	-1.111565	-1.315023
15	0.019643	1.857542	0.158724
6	-2.268759	-0.291359	-1.965778
6	-3.526804	-0.897418	-1.850181
6	-2.152566	0.905049	-2.678583
6	-4.652687	-0.291368	-2.399529
1	-3.627924	-1.837310	-1.318609
6	-3.278368	1.510886	-3.237671
1	-1.176578	1.365993	-2.790857
6	-4.531364	0.916474	-3.091652
1	-5.626614	-0.754454	-2.274765
1	-3.173303	2.446574	-3.779204
1	-5.411597	1.389611	-3.517354
6	-0.996743	-2.690093	-2.253774
6	-0.716037	-2.652960	-3.628048
6	-1.633330	-3.826956	-1.734392
6	-1.010060	-3.739636	-4.448638
1	-0.281310	-1.761451	-4.061466
6	-1.924787	-4.916862	-2.556288
1	-1.917698	-3.868453	-0.690400
6	-1.605203	-4.882629	-3.912905
1	-0.775481	-3.689446	-5.508018
1	-2.410609	-5.790636	-2.130965
1	-1.831402	-5.732425	-4.550434
6	0.892695	1.979163	1.762862
6	0.235266	1.875899	2.991792
6	2.286690	2.156937	1.731769
6	0.963118	1.907734	4.182950
1	-0.839496	1.758348	3.021468

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6	2.348152	2.073312	4.150968
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1	4.082215	2.336943	2.889135
1	2.915653	2.093642	5.077116
6	0.116916	3.606767	-0.418719
6	-0.030186	3.904558	-1.779699
6	0.269703	4.659837	0.491746
6	-0.042736	5.225626	-2.220054
1	-0.102220	3.102657	-2.503496
6	0.266963	5.984016	0.050212
1	0.387643	4.447359	1.548709
6	0.106401	6.270343	-1.305449
1	-0.146691	5.437865	-3.280252
1	0.391573	6.789887	0.768125
1	0.106854	7.300747	-1.649653
1	2.497485	-3.546678	4.743602
6	4.321675	-0.430925	-0.494856
6	5.109873	-0.286180	-1.649532
6	4.873266	-0.006687	0.726067
6	6.388439	0.264532	-1.591291
1	4.717251	-0.590850	-2.613560
6	6.147772	0.558240	0.789857
1	4.304647	-0.124351	1.642359
6	6.909489	0.697771	-0.370343
1	6.975118	0.366158	-2.500671
1	6.549016	0.880471	1.747982
1	7.903343	1.135433	-0.324338

INT1b

45	0.000025	-0.584191	-0.173380
15	-2.338337	-0.510616	-0.062062
6	-3.012701	-0.675249	1.634974
6	-2.215690	-0.264882	2.711922
6	-4.310453	-1.139757	1.880144
6	-2.714635	-0.301114	4.012898
1	-1.199163	0.062172	2.522265
6	-4.805044	-1.185380	3.183629
1	-4.931114	-1.474497	1.055472
6	-4.010488	-0.762781	4.250881
1	-2.086517	0.014816	4.841096
1	-5.810891	-1.553658	3.365323
1	-4.397042	-0.801078	5.265508
6	-3.232803	-1.771117	-1.045851
6	-4.510242	-1.545824	-1.580626
6	-2.611872	-3.013556	-1.244905
6	-5.156268	-2.548448	-2.304297
1	-4.993890	-0.584527	-1.439428
6	-3.264588	-4.014067	-1.965077
1	-1.629061	-3.189884	-0.819149
6	-4.534524	-3.783645	-2.497468
1	-6.144350	-2.364007	-2.716922
1	-2.777756	-4.974114	-2.111812
1	-5.038321	-4.563111	-3.062407
6	-3.036465	1.090577	-0.625309
6	-3.330802	2.104180	0.294984
6	-3.098117	1.380854	-1.997288
6	-3.674658	3.382698	-0.144981
1	-3.278045	1.899373	1.358694
6	-3.447587	2.656092	-2.435383
1	-2.865856	0.607110	-2.721829
6	-3.728917	3.663448	-1.509234
1	-3.888292	4.160796	0.581918
1	-3.490729	2.866353	-3.500536
1	-3.986689	4.661722	-1.851256
17	0.000081	-2.501415	1.259176
6	-0.000030	1.332643	-1.084184
6	-0.000013	2.658044	-0.541024
6	-0.000210	2.859038	0.849486
6	0.000178	3.777871	-1.392190
6	-0.000215	4.145689	1.377868
1	-0.000366	1.986408	1.494160
6	0.000169	5.062887	-0.859406
1	0.000341	3.622909	-2.465929
6	-0.000027	5.252633	0.525445
1	-0.000370	4.287566	2.455244
1	0.000322	5.921600	-1.525345
1	-0.000035	6.258106	0.937075
6	0.000133	0.440373	-1.977318
1	0.000044	0.075856	-2.989366
15	2.338399	-0.510495	-0.062040
6	3.012839	-0.675617	1.634902
6	2.216078	-0.264952	2.711929
6	4.310327	-1.140892	1.879977
6	2.715024	-0.301644	4.012885
1	1.199729	0.062708	2.522342
6	4.804910	-1.186989	3.183453

1	4.930786	-1.475860	1.055246
6	4.010619	-0.764093	4.250779
1	2.087104	0.014528	4.841141
1	5.810550	-1.555871	3.365073
1	4.397165	-0.802763	5.265394
6	3.232760	-1.770753	-1.046225
6	4.510233	-1.545443	-1.580898
6	2.611693	-3.013067	-1.245666
6	5.156160	-2.547917	-2.304869
1	4.993994	-0.584251	-1.439368
6	3.264310	-4.013430	-1.966131
1	1.628849	-3.189411	-0.819994
6	4.534281	-3.782984	-2.498430
1	6.144271	-2.363461	-2.717419
1	2.777378	-4.973381	-2.113166
1	5.038002	-4.562332	-3.063600
6	3.036454	1.090857	-0.624913
6	3.098293	1.381400	-1.996825
6	3.330563	2.104311	0.295619
6	3.447708	2.656759	-2.434621
1	2.866221	0.607778	-2.721554
6	3.674364	3.382943	-0.144047
1	3.277686	1.899286	1.359282
6	3.728799	3.663963	-1.508240
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1	3.887823	4.160921	0.583032
1	3.986521	4.662330	-1.850028

INT1

6	4.676097	-3.164401	2.245722
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6	3.347565	-1.189449	1.723776
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6	4.083830	-1.646216	4.027529
6	4.712066	-2.796965	3.611278
1	5.172962	-4.073844	1.919964
1	3.976100	-2.684372	0.288325
6	2.619572	-0.374208	0.795565
6	2.755006	0.377385	3.509952
1	4.104174	-1.350868	5.073443
1	5.236863	-3.423853	4.326507
6	2.079460	1.157021	2.604930
6	1.989668	0.788592	1.235025
1	2.804798	0.672478	4.555050
6	6.136466	-0.256579	-2.960579
6	5.001503	-0.767090	-3.546124
6	3.820344	-0.971938	-2.787110
6	3.800071	-0.625272	-1.400691
6	4.992911	-0.101415	-0.828609
6	6.129259	0.072148	-1.585183
1	2.672530	-1.828250	-4.407012
1	7.037273	-0.106927	-3.548780
1	4.991152	-1.028548	-4.601139
6	2.654868	-1.531618	-3.361285
6	2.590651	-0.790406	-0.642574
1	4.999832	0.172135	0.218864
1	7.026520	0.474219	-1.123229
6	1.452428	-1.326626	-1.247356
6	1.520063	-1.715078	-2.613220
17	-1.900888	2.986733	-0.938253
1	1.600818	2.067644	2.941512
1	0.662524	-2.177565	-3.079087
15	0.869120	1.753286	0.118874
15	-0.202666	-1.327822	-0.381892
6	1.917921	2.157308	-1.323153
6	3.259530	2.534641	-1.175621
6	1.368289	2.052785	-2.607576
6	4.041550	2.802817	-2.297068
1	3.700734	2.586526	-0.184945
6	2.157354	2.309139	-3.727940
1	0.326616	1.765268	-2.709086
6	3.493840	2.681841	-3.575023
1	5.085131	3.074856	-2.173698
1	1.727671	2.214645	-4.721195
1	4.110067	2.872736	-4.448956
6	0.653735	3.329234	1.037323
6	-0.339447	3.380464	2.026770
6	1.437067	4.462410	0.799929
6	-0.524313	4.532999	2.784710
1	-0.980356	2.521638	2.185057
6	1.240941	5.623125	1.551644
1	2.186659	4.453636	0.017744
6	0.267095	5.660000	2.548310
1	-1.300160	4.558219	3.544692
1	1.849425	6.500429	1.350422
1	0.115468	6.564759	3.130279
6	0.216852	-2.068034	1.248953
6	0.935805	-3.270469	1.332220

6	-0.185151	-1.434270	2.427844
6	1.232200	-3.831634	2.571268
1	1.273421	-3.759806	0.423523
6	0.121575	-1.989766	3.669816
1	-0.722978	-0.498031	2.367111
6	0.827859	-3.189950	3.744169
1	1.801698	-4.754387	2.623010
1	-0.184588	-1.477265	4.577198
1	1.073905	-3.620083	4.710549
6	-1.152717	-2.699235	-1.186635
6	-1.569569	-2.570742	-2.522904
6	-1.555221	-3.842474	-0.482110
6	-2.305707	-3.573106	-3.149880
1	-1.321918	-1.675725	-3.078898
6	-2.303295	-4.843462	-1.105484
1	-1.290032	-3.960404	0.560420
6	-2.671854	-4.719956	-2.443043
1	-2.605295	-3.450243	-4.186870
1	-2.600767	-5.719028	-0.535415
1	-3.253062	-5.499392	-2.927097
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6	-2.658811	0.194134	-1.947491
6	-5.698175	1.682055	0.014319
1	-6.737015	1.402262	0.256008
6	-4.133656	-0.131723	2.089768
1	-5.013368	0.100320	2.711641
6	-5.821120	-1.435578	-0.192109
1	-6.383981	-1.669250	0.726888
6	-3.017227	0.862494	2.447935
1	-2.628594	0.668601	3.458594
1	-2.187249	0.771540	1.732893
1	-3.351183	1.900509	2.405990
6	-3.696980	-1.570252	2.417705
1	-3.325887	-1.638642	3.449358
1	-4.521125	-2.283064	2.313520
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1	-6.339856	2.994821	-1.602791
1	-4.644910	2.480279	-1.711170
1	-5.943166	1.360794	-2.155635
6	-5.308191	2.850476	0.935036
1	-5.957566	3.715005	0.740377
1	-5.412472	2.596147	1.995854
1	-4.276715	3.166265	0.747707
6	-5.004949	-2.676955	-0.586618
1	-4.291280	-2.979749	0.181628
1	-5.666169	-3.532574	-0.782679
1	-4.429714	-2.488095	-1.497975
6	-6.844733	-1.130284	-1.298697
1	-6.341737	-0.902322	-2.246183
1	-7.488578	-2.002439	-1.476601
1	-7.493183	-0.283140	-1.054500
1	-2.495420	0.282304	-3.002728
14	-4.717605	0.060850	0.284489

INT3a

45	-0.454484	0.166694	-1.416970
17	-2.895584	1.350389	0.934761
6	-2.470161	0.401427	-2.649372
6	-1.862607	-0.949275	-2.451457
6	-3.877164	0.678934	-2.094504
1	-2.408259	0.733352	-3.692014
1	-1.798672	1.231495	-2.133931
1	-2.429918	-1.651410	-1.842177
1	-1.481158	-1.424166	-3.355912
1	-4.608291	0.098989	-2.676717
1	-4.143777	1.732554	-2.260853
14	-4.275421	0.342988	-0.282762
6	-4.284913	-1.462276	0.194815
6	-4.001548	-1.874392	1.506102
6	-4.650083	-2.442776	-0.744782
6	-4.061620	-3.220537	1.865080
1	-3.714878	-1.135365	2.248889
6	-4.714385	-3.790054	-0.389735
1	-4.872831	-2.157923	-1.769551
6	-4.415177	-4.180987	0.916662
1	-3.819431	-3.521595	2.880047
1	-4.988591	-4.533565	-1.132885
1	-4.455297	-5.230802	1.193513
6	-5.950264	1.101804	0.076738
6	-6.144590	2.491882	-0.016372
6	-7.053118	0.297193	0.406454
6	-7.397709	3.058204	0.208660
1	-5.303378	3.140149	-0.252001
6	-8.311019	0.860553	0.630344
1	-6.926246	-0.778479	0.492593
6	-8.484574	2.241069	0.531085

1	-7.528389	4.134579	0.136683
1	-9.152775	0.222567	0.885839
1	-9.462251	2.681387	0.707427
6	3.878499	-1.920705	4.140189
6	3.663480	-1.350939	2.905436
6	2.607781	-0.421229	2.698192
6	1.764884	-0.102878	3.809317
6	2.002748	-0.716678	5.065490
6	3.039990	-1.605267	5.233800
1	4.694853	-2.625209	4.273212
1	4.304401	-1.612269	2.072395
6	2.355223	0.184097	1.421161
6	0.698597	0.810306	3.617470
1	1.346352	-0.467809	5.895703
1	3.215332	-2.066180	6.201810
6	0.492577	1.403912	2.399030
6	1.333623	1.121282	1.285588
1	0.039755	1.033044	4.453118
6	7.199356	1.177007	-0.050498
6	6.698923	0.324738	-1.007208
6	5.374030	-0.175119	-0.915990
6	4.545898	0.221266	0.180457
6	5.096694	1.101355	1.152589
6	6.387671	1.564307	1.041725
1	5.473673	-1.382566	-2.706463
1	8.215122	1.553938	-0.129999
1	7.311125	0.019213	-1.852041
6	4.841279	-1.060306	-1.882771
6	3.193049	-0.244974	0.254610
1	4.478236	1.414494	1.985195
1	6.785458	2.238616	1.795000
6	2.690263	-1.093933	-0.734905
6	3.546585	-1.507200	-1.790635
1	-0.336073	2.090184	2.273399
1	3.168100	-2.185380	-2.544975
15	0.816400	1.759351	-0.368659
15	0.874615	-1.505731	-0.823845
6	2.376499	2.272708	-1.211311
6	3.317467	3.137903	-0.638744
6	2.607677	1.770952	-2.498542
6	4.477331	3.477578	-1.331117
1	3.157961	3.531526	0.359229
6	3.769182	2.110372	-3.192131
1	1.872544	1.094807	-2.928230
6	4.708230	2.960669	-2.607627
1	5.211422	4.129308	-0.866587
1	3.945131	1.700979	-4.183219
1	5.619534	3.217119	-3.140548
6	0.091158	3.413596	0.025815
6	-0.957178	3.877511	-0.777788
6	0.572561	4.248931	1.045673
6	-1.509099	5.142889	-0.577477
1	-1.344769	3.234496	-1.561832
6	0.016770	5.510197	1.255317
1	1.370052	3.904879	1.696255
6	-1.024978	5.962128	0.442440
1	-2.322172	5.484142	-1.212662
1	0.396949	6.140108	2.055005
1	-1.458378	6.944692	0.607149
6	0.567192	-2.245434	0.827256
6	1.445319	-3.177980	1.399681
6	-0.552434	-1.822628	1.551710
6	1.202099	-3.684297	2.673814
1	2.335923	-3.483039	0.857738
6	-0.784432	-2.318727	2.834534
1	-1.211957	-1.083826	1.108928
6	0.088958	-3.248877	3.396868
1	1.897392	-4.390996	3.116676
1	-1.639414	-1.962785	3.401142
1	-0.084846	-3.623556	4.401592
6	0.822305	-2.946978	-1.977935
6	0.893265	-2.673566	-3.354858
6	0.644688	-4.272706	-1.566480
6	0.831349	-3.701719	-4.291927
1	0.979476	-1.640448	-3.680858
6	0.561395	-5.302597	-2.507716
1	0.558698	-4.506981	-0.512084
6	0.663699	-5.023644	-3.869406
1	0.896238	-3.470915	-5.351821
1	0.416204	-6.325381	-2.170307
1	0.601738	-5.826494	-4.598841

INT2b

45	-0.068085	-1.391240	0.519025
15	-0.811044	0.576425	-0.806363
6	-2.064000	0.208969	-2.094796
6	-3.047310	-0.750366	-1.819561
6	-2.099520	0.895624	-3.315219

6	-4.060380	-1.006302	-2.741041
1	-3.017263	-1.302983	-0.889424
6	-3.108927	0.630398	-4.241671
1	-1.338650	1.635599	-3.541132
6	-4.092859	-0.317571	-3.955191
1	-4.815683	-1.752674	-2.512100
1	-3.125143	1.164579	-5.187669
1	-4.877400	-0.523082	-4.678208
6	0.527679	1.405216	-1.747563
6	0.645897	2.800355	-1.818984
6	1.491493	0.598667	-2.371485
6	1.729629	3.378551	-2.481415
1	-0.093773	3.432203	-1.339369
6	2.574536	1.180396	-3.028881
1	1.402504	-0.480039	-2.322077
6	2.700879	2.570347	-3.077318
1	1.818036	4.460792	-2.525716
1	3.330242	0.541625	-3.474883
1	3.552978	3.023009	-3.576796
6	-1.592471	1.955033	0.125219
6	-2.840845	2.490944	-0.220183
6	-0.936678	2.441617	1.267832
6	-3.425250	3.485214	0.566743
1	-3.361688	2.123761	-1.097124
6	-1.517962	3.439309	2.047876
1	0.031792	2.044957	1.542588
6	-2.769017	3.958695	1.704247
1	-4.394706	3.889556	0.288466
1	-0.990792	3.805719	2.924125
1	-3.226699	4.730554	2.316797
17	0.026855	-2.568507	-1.513179
6	-1.462270	-0.883786	2.085870
6	-2.845045	-1.117452	1.798720
6	-3.301960	-2.395555	1.422991
6	-3.743365	-0.032923	1.815599
6	-4.633011	-2.578222	1.059242
1	-2.602503	-3.223354	1.396895
6	-5.070220	-0.227866	1.445251
1	-3.384593	0.948993	2.098917
6	-5.516651	-1.495284	1.061673
1	-4.978253	-3.564222	0.763487
1	-5.754337	0.615321	1.445720
1	-6.551617	-1.639239	0.765509
6	-0.357625	-0.459298	2.476243
1	0.274188	-0.011857	3.215385
6	1.256289	-3.011794	2.793190
6	0.465608	-3.184728	1.496729
6	2.528642	-2.191002	2.526806
1	0.635839	-2.502151	3.539437
1	1.511002	-3.991572	3.226335
1	-0.492759	-3.695049	1.668816
1	1.025844	-3.790730	0.776336
1	2.953274	-1.757317	3.440753
1	3.308920	-2.836584	2.103171
14	2.161680	-0.892277	1.172989
6	2.408358	0.880288	1.794260
6	2.530822	1.955157	0.894109
6	2.409289	1.186707	3.167604
6	2.614198	3.273939	1.340038
1	2.553853	1.763059	-0.170486
6	2.487125	2.504141	3.623093
1	2.353641	0.383774	3.899748
6	2.580883	3.554309	2.706999
1	2.692550	4.078922	0.614908
1	2.480996	2.710145	4.690208
1	2.637627	4.581233	3.057600
6	3.403404	-1.134599	-0.237625
6	3.341440	-2.237306	-1.107411
6	4.500375	-0.262593	-0.371493
6	4.306680	-2.438508	-2.093269
1	2.509858	-2.928179	-1.039632
6	5.473297	-0.463276	-1.352141
1	4.602268	0.587810	0.293535
6	5.373589	-1.546531	-2.225055
1	4.221820	-3.291203	-2.761607
1	6.305362	0.231263	-1.435189
1	6.124230	-1.700184	-2.995998

INT2

6	3.372988	-4.045502	2.741776
6	3.147709	-3.145088	1.725844
6	2.886586	-1.774303	2.003405
6	2.875053	-1.355376	3.370463
6	3.093929	-2.310351	4.397188
6	3.338675	-3.629291	4.093547
1	3.572372	-5.086597	2.504290
1	3.163498	-3.480729	0.696163
6	2.609159	-0.820442	0.968713

6	2.653114	0.011805	3.660913	6	2.818645	5.848949	2.000173
1	3.070033	-1.974713	5.430635	1	1.041322	5.481247	3.168817
1	3.509379	-4.351585	4.886510	1	4.500798	5.950217	0.655782
6	2.444479	0.921525	2.655062	1	3.031696	6.804230	2.471511
6	2.402664	0.521408	1.291066	6	-0.389121	-1.641539	1.239170
1	2.663820	0.338446	4.697564	6	0.020275	-2.958553	1.488387
6	6.194694	-2.228101	-2.467210	6	-0.925987	-0.878638	2.285162
6	4.996146	-2.312280	-3.136743	6	-0.107810	-3.504676	2.763132
6	3.772335	-2.029239	-2.476533	1	0.465707	-3.545909	0.692020
6	3.788161	-1.634039	-1.102374	6	-1.043334	-1.423964	3.562745
6	5.045389	-1.555412	-0.441901	1	-1.270454	0.132876	2.091708
6	6.214992	-1.850832	-1.104015	6	-0.633831	-2.736225	3.802941
1	2.512507	-2.434092	-4.186596	1	0.229740	-4.518912	2.950140
1	7.125540	-2.450856	-2.980612	1	-1.457903	-0.823642	4.367101
1	4.965271	-2.601947	-4.183799	1	-0.721092	-3.159839	4.799176
6	2.527974	-2.127666	-3.143942	6	-1.505298	-1.737044	-1.451505
6	2.556095	-1.303222	-0.446290	6	-1.944737	-1.121163	-2.633084
1	5.076315	-1.253417	0.597695	6	-2.014798	-2.995028	-1.110868
1	7.162989	-1.786248	-0.577683	6	-2.851355	-1.765805	-3.470548
6	1.348683	-1.431651	-1.131065	1	-1.597940	-0.124924	-2.881312
6	1.354098	-1.853458	-2.489280	6	-2.942770	-3.628633	-1.939014
17	-0.958892	3.721986	-0.363766	1	-1.717473	-3.473474	-0.186222
1	2.308104	1.965009	2.907014	6	-3.357287	-3.020610	-3.123333
1	0.415105	-1.953801	-3.018519	1	-3.183968	-1.274066	-4.379370
15	1.842533	1.761586	0.022568	1	-3.343651	-4.596243	-1.651329
15	-0.261310	-0.873694	-0.410515	1	-4.079871	-3.514087	-3.766950
6	3.016371	1.582401	-1.366398	45	-0.499176	1.396923	-0.342235
6	4.396922	1.463357	-1.146982	6	-3.631470	0.780426	-0.244294
6	2.530219	1.583752	-2.679222	6	-2.442274	1.068173	-0.381048
6	5.273716	1.345610	-2.221919	6	-5.422788	-1.568023	0.287503
1	4.780611	1.441508	-0.131704	1	-5.173824	-2.024070	-0.683044
6	3.409078	1.455367	-3.754941	6	-6.327001	0.846719	-1.596424
1	1.463913	1.679832	-2.852662	1	-6.511277	1.924626	-1.466261
6	4.780108	1.334621	-3.528054	6	-6.040142	1.274127	1.510859
1	6.337852	1.235006	-2.039437	1	-5.666574	0.722147	2.387971
1	3.019866	1.446793	-4.768852	6	-7.686766	0.153552	-1.788481
1	5.463743	1.227653	-4.365169	1	-8.215989	0.570993	-2.656362
6	2.266816	3.381616	0.777906	1	-7.554932	-0.918601	-1.978690
6	1.423182	3.888577	1.780774	1	-8.343771	0.258264	-0.919435
6	3.370577	4.142880	0.375147	6	-5.468801	0.670540	-2.860235
6	1.706128	5.104468	2.397265	1	-6.002064	1.034735	-3.749841
1	0.529877	3.343396	2.063332	1	-4.519110	1.207184	-2.779800
6	3.642967	5.369730	0.983401	1	-5.234573	-0.387886	-3.027317
1	4.015454	3.791933	-0.420994	6	-6.780015	-2.124877	0.750840

1	-6.739434	-3.219473	0.843691
1	-7.047567	-1.731385	1.739050
1	-7.597438	-1.881882	0.065988
6	-4.328850	-1.980514	1.287417
1	-4.292098	-3.073059	1.404623
1	-3.342561	-1.638574	0.970943
1	-4.521219	-1.555013	2.281371
6	-7.575921	1.319109	1.598531
1	-8.031226	0.323400	1.585299
1	-7.899096	1.819145	2.522079
1	-7.999065	1.888121	0.761767
6	-5.466548	2.700871	1.572435
1	-5.793157	3.293925	0.708340
1	-5.813360	3.223583	2.475029
1	-4.372919	2.701525	1.565613
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14	-5.380791	0.324054	-0.014502

INT4a

45	-0.462416	0.117312	-1.519907
17	-2.760911	0.978959	1.172283
6	-2.366006	-0.266964	-2.567384
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6	-3.577849	0.444083	-1.990562
1	-2.192528	-0.023594	-3.614608
1	-0.933076	1.429674	-2.311873
1	-2.255721	-1.973937	-1.231295
1	-1.360653	-2.150936	-2.816909
1	-4.469541	0.145430	-2.572950
1	-3.494900	1.526738	-2.147485
14	-4.136533	0.217287	-0.208844
6	-4.441625	-1.571835	0.244724
6	-4.193770	-2.065549	1.535479
6	-4.946444	-2.461600	-0.720509
6	-4.430753	-3.403325	1.851078
1	-3.799215	-1.398153	2.295918
6	-5.192496	-3.798275	-0.407362
1	-5.130039	-2.115065	-1.734363
6	-4.930323	-4.272045	0.879699
1	-4.219096	-3.769301	2.851943
1	-5.576589	-4.471566	-1.168676
1	-5.111028	-5.315478	1.122805
6	-5.686937	1.246114	0.008426
6	-5.612059	2.650516	0.042280
6	-6.952862	0.643716	0.085507
6	-6.765760	3.425974	0.143122
1	-4.641636	3.141069	0.007239
6	-8.110543	1.418001	0.185550
1	-7.034265	-0.440218	0.073918
6	-8.017986	2.809778	0.212987
1	-6.690338	4.509746	0.172163
1	-9.082180	0.935216	0.247287
1	-8.917698	3.413900	0.293413
6	3.926484	-1.708772	4.177217
6	3.699859	-1.162147	2.934327
6	2.584881	-0.311626	2.698225
6	1.700135	-0.042941	3.789022
6	1.951097	-0.633378	5.054171
6	3.042718	-1.447769	5.249770
1	4.787306	-2.352919	4.333460
1	4.376391	-1.381760	2.117558
6	2.312594	0.259083	1.409898
6	0.589047	0.807397	3.569809
1	1.261977	-0.424999	5.868705
1	3.227779	-1.891287	6.224045
6	0.369829	1.377163	2.342046
6	1.230872	1.119042	1.238409
1	-0.093064	1.006339	4.392486
6	7.099461	1.536581	-0.046172
6	6.653558	0.649468	-0.998220
6	5.362037	0.069211	-0.904118
6	4.510581	0.422428	0.188672
6	5.004065	1.340570	1.156085
6	6.264808	1.880170	1.043518
1	5.536054	-1.144862	-2.684107
1	8.090378	1.974335	-0.127087
1	7.284573	0.376764	-1.840365
6	4.885590	-0.857047	-1.861820
6	3.191011	-0.128151	0.263481
1	4.366842	1.618918	1.987079
1	6.620641	2.581179	1.793349
6	2.744137	-1.022852	-0.708772
6	3.624330	-1.390603	-1.762203
1	-0.482491	2.028182	2.205459
1	3.294101	-2.101616	-2.508183
15	0.704540	1.716223	-0.437636
15	0.962039	-1.565181	-0.766975
6	2.236887	2.335846	-1.254917

6	3.127435	3.240435	-0.662444
6	2.506275	1.862533	-2.545906
6	4.271741	3.652065	-1.341194
1	2.946743	3.607324	0.341356
6	3.653262	2.273316	-3.224746
1	1.808519	1.159406	-2.992974
6	4.540003	3.165857	-2.622280
1	4.966162	4.335072	-0.861138
1	3.857463	1.888224	-4.220073
1	5.439889	3.478754	-3.144299
6	-0.175531	3.292500	-0.024113
6	-1.342287	3.641451	-0.713544
6	0.307110	4.172037	0.958875
6	-2.005693	4.838344	-0.439648
1	-1.727458	2.958115	-1.461217
6	-0.356554	5.365333	1.238491
1	1.188840	3.912974	1.534999
6	-1.516259	5.703773	0.538173
1	-2.909170	5.089054	-0.989483
1	0.030719	6.028645	2.007020
1	-2.035197	6.632612	0.758210
6	0.693676	-2.333700	0.875945
6	1.635932	-3.170399	1.491306
6	-0.500066	-2.035307	1.544074
6	1.384767	-3.703298	2.753288
1	2.578202	-3.378665	0.992691
6	-0.747480	-2.565890	2.809979
1	-1.212120	-1.363414	1.078369
6	0.193541	-3.397899	3.416390
1	2.129038	-4.332322	3.232224
1	-1.669549	-2.315175	3.325688
1	0.008230	-3.799426	4.408674
6	1.031575	-2.998239	-1.926877
6	1.063015	-2.709800	-3.303047
6	0.990053	-4.336237	-1.521648
6	1.087165	-3.734044	-4.246261
1	1.047590	-1.670315	-3.622378
6	0.998373	-5.363995	-2.469235
1	0.940369	-4.582588	-0.467407
6	1.054598	-5.068343	-3.830137
1	1.116184	-3.492113	-5.305154
1	0.959629	-6.398056	-2.137548
1	1.062410	-5.869321	-4.564070

INT3b

45	-0.390355	-0.849977	-1.249333
15	-1.995806	0.034621	0.333711
6	-3.286722	-1.132122	0.901636
6	-3.092978	-2.500448	0.673509
6	-4.423622	-0.700325	1.597956
6	-4.019309	-3.428243	1.151420
1	-2.229524	-2.824127	0.102389
6	-5.350178	-1.628891	2.068624
1	-4.586955	0.360014	1.764326
6	-5.147104	-2.993938	1.848803
1	-3.866212	-4.487486	0.965644
1	-6.231975	-1.288385	2.604188
1	-5.872083	-3.715870	2.214348
6	-2.908853	1.532091	-0.206030
6	-3.276680	2.550162	0.686216
6	-3.252389	1.650826	-1.561512
6	-3.961858	3.675370	0.228377
1	-3.014237	2.474218	1.735837
6	-3.944383	2.775077	-2.012739
1	-2.987331	0.857252	-2.253024
6	-4.295223	3.791931	-1.122255
1	-4.234754	4.460258	0.928286
1	-4.205682	2.855331	-3.064104
1	-4.827581	4.669724	-1.477952
6	-1.174029	0.540136	1.893507
6	-1.081224	-0.359695	2.965508
6	-0.457551	1.747442	1.954854
6	-0.293046	-0.056300	4.076587
1	-1.624410	-1.298665	2.929997
6	0.324961	2.049223	3.069232
1	-0.495988	2.445132	1.127918
6	0.412202	1.147862	4.132390
1	-0.233409	-0.761843	4.900610
1	0.873704	2.985816	3.091057
1	1.025461	1.381374	4.998181
17	-2.228750	-1.562192	-2.640633
6	0.994704	-1.609549	-0.292022
6	1.455322	-2.935924	-0.015179
6	2.630540	-3.118832	0.743080
6	0.757103	-4.055342	-0.512871
6	3.091473	-4.404347	1.004975
1	3.163320	-2.243959	1.104077
6	1.226774	-5.335532	-0.247818

1	-0.136069	-3.886950	-1.107331
6	2.390347	-5.509576	0.511411
1	3.996850	-4.549415	1.586640
1	0.694020	-6.200204	-0.631711
1	2.754412	-6.512593	0.715653
6	1.297512	-0.283730	-0.026003
1	1.049751	0.058023	0.982803
6	2.296390	-1.068699	-2.977908
6	0.791118	-1.309138	-2.958734
6	2.686465	0.397384	-2.699959
1	2.804946	-1.732796	-2.263737
1	2.683112	-1.352876	-3.969287
1	0.554740	-2.353939	-3.185015
1	0.296531	-0.687642	-3.714741
1	3.730984	0.574866	-2.986561
1	2.082157	1.055648	-3.338062
14	2.437090	0.908250	-0.903282
6	4.047734	0.947024	0.079095
6	5.313262	1.004040	-0.526742
6	3.999247	0.907426	1.487008
6	6.483786	1.020025	0.234674
1	5.392735	1.035325	-1.610206
6	5.164143	0.926261	2.253939
1	3.037588	0.867004	1.994029
6	6.411382	0.980713	1.627396
1	7.451000	1.062308	-0.259143
1	5.100318	0.897342	3.338684
1	7.320922	0.992180	2.221895
6	1.561520	2.565255	-0.735320
6	0.335834	2.760383	-1.399253
6	2.006106	3.571682	0.135991
6	-0.432120	3.903869	-1.181929
1	-0.043053	1.989197	-2.066273
6	1.244075	4.722142	0.356321
1	2.948622	3.447684	0.662621
6	0.020186	4.885075	-0.295743
1	-1.389642	4.016134	-1.680168
1	1.602576	5.487409	1.040201
1	-0.581805	5.771314	-0.114014

INT3

6	3.477813	-3.811779	2.827346
6	3.230685	-2.935795	1.795374
6	2.907950	-1.574298	2.049874
6	2.854021	-1.135556	3.410783
6	3.095880	-2.067568	4.453363
6	3.402685	-3.378713	4.172064
1	3.724869	-4.846791	2.608446
1	3.276953	-3.281864	0.769791
6	2.615866	-0.645155	0.999662
6	2.567074	0.225162	3.680788
1	3.039005	-1.720701	5.481944
1	3.590344	-4.082189	4.978115
6	2.339073	1.113589	2.659312
6	2.349681	0.688749	1.304433
1	2.538702	0.560600	4.714427
6	6.306861	-1.912784	-2.378286
6	5.124327	-2.034096	-3.070497
6	3.879700	-1.791553	-2.433907
6	3.855994	-1.403933	-1.057081
6	5.097934	-1.283473	-0.373977
6	6.289069	-1.536755	-1.014860
1	2.666871	-2.216992	-4.172876
1	7.254005	-2.103990	-2.874527
1	5.122786	-2.320680	-4.119006
6	2.652115	-1.918045	-3.127837
6	2.601687	-1.123616	-0.420110
1	5.098405	-0.982473	0.666364
1	7.224540	-1.439741	-0.471187
6	1.410733	-1.266956	-1.135398
6	1.458398	-1.672893	-2.497575
1	2.131610	2.152475	2.888054
1	0.532417	-1.782211	-3.048624
15	1.740268	1.837759	-0.010860
15	-0.232748	-0.744238	-0.451308
6	3.038564	1.794284	-1.298001
6	4.407743	1.807893	-0.998101
6	2.626751	1.703038	-2.633598
6	5.350956	1.735721	-2.020742
1	4.732567	1.841075	0.037969
6	3.572251	1.624246	-3.655706
1	1.563098	1.667332	-2.853272
6	4.933964	1.639034	-3.350139
1	6.409614	1.726735	-1.779947
1	3.245723	1.536909	-4.688069
1	5.670922	1.564587	-4.144535
6	1.854112	3.515229	0.732373
6	0.762522	3.927945	1.518741

6	2.905612	4.412216	0.505943
6	0.735164	5.202897	2.082182
1	-0.063346	3.237445	1.687955
6	2.873516	5.689567	1.067586
1	3.743004	4.119497	-0.117585
6	1.793329	6.086220	1.857803
1	-0.114113	5.507115	2.687169
1	3.694292	6.377375	0.883923
1	1.772275	7.082209	2.290918
6	-0.352848	-1.586830	1.168501
6	0.087479	-2.904663	1.353229
6	-0.897085	-0.884368	2.251652
6	-0.021043	-3.513806	2.601421
1	0.547434	-3.442666	0.529999
6	-0.996065	-1.493893	3.501586
1	-1.234965	0.134975	2.095154
6	-0.558287	-2.807339	3.678587
1	0.341297	-4.527653	2.739335
1	-1.413321	-0.940200	4.337855
1	-0.628192	-3.278651	4.654776
6	-1.438018	-1.611316	-1.539790
6	-1.905401	-0.926668	-2.671119
6	-1.902695	-2.906766	-1.286197
6	-2.798498	-1.538445	-3.547794
1	-1.587052	0.098126	-2.834504
6	-2.816479	-3.509239	-2.152563
1	-1.582154	-3.438877	-0.398984
6	-3.260758	-2.830922	-3.287624
1	-3.153968	-0.995774	-4.418518
1	-3.185010	-4.507364	-1.933343
1	-3.973007	-3.300833	-3.960062
45	-0.492051	1.421135	-0.370816
6	-3.656385	0.941040	-0.148429
6	-2.448053	1.172064	-0.280667
6	-5.371150	-1.496847	0.106273
1	-5.090041	-1.859428	-0.894258
6	-6.311753	1.030493	-1.598612
1	-6.552093	2.085414	-1.390610
6	-6.167287	1.191926	1.542562
1	-5.820441	0.564930	2.379046
6	-7.630010	0.296882	-1.900137
1	-8.144594	0.757434	-2.755105
1	-7.440691	-0.750143	-2.166179
1	-8.324264	0.303986	-1.054283
6	-5.403744	0.993594	-2.839317
1	-5.920837	1.408095	-3.716613
1	-4.479155	1.555509	-2.679529
1	-5.118941	-0.037466	-3.081533
6	-6.717850	-2.132413	0.492913
1	-6.642843	-3.229086	0.493718
1	-7.015126	-1.833042	1.505514
1	-7.530834	-1.857764	-0.185298
6	-4.282452	-1.960180	1.089435
1	-4.218196	-3.057239	1.116338
1	-3.301205	-1.568000	0.820331
1	-4.502566	-1.623252	2.111310
6	-7.705774	1.187386	1.553489
1	-8.126103	0.185141	1.421804
1	-8.091242	1.586111	2.502305
1	-8.105597	1.821961	0.753098
6	-5.643910	2.618895	1.779507
1	-5.939515	3.287822	0.960255
1	-6.054672	3.040944	2.707800
1	-4.551657	2.641213	1.839298
14	-5.394947	0.415551	-0.029830

INT5a

45	0.415810	-0.356481	1.142171
17	0.109490	-2.094980	2.678907
6	1.337979	2.088588	2.540349
6	1.429767	0.574962	2.715213
6	1.437642	2.538933	1.071580
1	0.397435	2.452764	2.968418
1	2.142606	2.568160	3.118208
1	1.013548	0.258703	3.670380
1	2.461071	0.222901	2.655967
1	0.589606	2.133351	0.497557
1	1.318391	3.627237	0.991428
14	2.976195	1.980175	0.164445
6	2.934261	2.720926	-1.572140
6	1.764939	3.298339	-2.095752
6	4.076014	2.697847	-2.392840
6	1.732238	3.833644	-3.383892
1	0.857230	3.322354	-1.501065
6	4.051347	3.228611	-3.683534
1	5.003446	2.274721	-2.012768
6	2.877037	3.800483	-4.180821
1	0.807511	4.256971	-3.765375

1	4.947298	3.202088	-4.298398	1	-4.459235	-3.607269	2.174986
6	-2.896023	2.875906	-4.211757	1	-6.625131	-2.439575	2.537854
6	-2.986160	1.993758	-3.159980	6	-1.939264	1.475305	3.433709
6	-2.521874	2.347327	-1.863947	6	-1.413879	0.793062	4.543168
6	-1.990624	3.662737	-1.674389	6	-2.613038	2.687738	3.637919
6	-1.914189	4.553300	-2.776918	6	-1.525172	1.336079	5.822097
6	-2.351126	4.167914	-4.023595	1	-0.931228	-0.168596	4.399592
1	-3.243763	2.577431	-5.196272	6	-2.717230	3.230509	4.919105
1	-3.408613	1.009320	-3.312706	1	-3.064438	3.211608	2.802473
6	-2.579245	1.435270	-0.757807	6	-2.166569	2.561256	6.012821
6	-1.556170	4.040046	-0.380439	1	-1.109477	0.799027	6.669867
1	-1.502403	5.546088	-2.614850	1	-3.236388	4.174384	5.061388
1	-2.285542	4.854362	-4.862770	1	-2.246910	2.986778	7.009052
6	-1.603963	3.151298	0.662996	6	-0.278658	-0.525935	-2.605663
6	-2.113772	1.831296	0.496918	6	-1.119093	-0.596640	-3.729342
1	-1.158900	5.040235	-0.227770	6	0.992405	0.040288	-2.743739
6	-7.546946	0.211329	-0.849197	6	-0.689273	-0.111029	-4.961898
6	-6.887909	-0.976033	-1.066490	1	-2.106121	-1.037886	-3.637605
6	-5.471600	-1.020709	-1.127090	6	1.423514	0.523674	-3.979612
6	-4.716931	0.181931	-0.962659	1	1.650420	0.095831	-1.887673
6	-5.431837	1.393730	-0.751778	6	0.583796	0.451251	-5.088903
6	-6.807062	1.406696	-0.692935	1	-1.350095	-0.167782	-5.822718
1	-5.342721	-3.150969	-1.468009	1	2.408117	0.969954	-4.061157
1	-8.631637	0.235521	-0.797744	1	0.915771	0.836557	-6.048951
1	-7.441002	-1.903938	-1.186436	6	-0.586113	-3.055482	-1.282618
6	-4.775331	-2.234935	-1.325069	6	-0.685957	-3.912900	-0.178567
6	-3.281380	0.126682	-0.956148	6	-0.459140	-3.610592	-2.564205
1	-4.881978	2.317329	-0.620081	6	-0.678697	-5.297309	-0.353855
1	-7.329366	2.343793	-0.522411	1	-0.759421	-3.496898	0.818929
6	-2.629275	-1.094622	-1.107547	6	-0.451147	-4.994284	-2.736474
6	-3.405206	-2.269930	-1.313747	1	-0.367254	-2.964800	-3.429485
1	-1.219781	3.452252	1.628560	6	-0.568004	-5.842501	-1.633371
1	-2.907825	-3.219308	-1.450974	1	-0.748197	-5.946105	0.514373
15	-1.812270	0.589467	1.825674	1	-0.346096	-5.409150	-3.734930
15	-0.774819	-1.242888	-0.986703	1	-0.559856	-6.920146	-1.769926
6	-3.366472	-0.391306	1.992238	1	2.856046	4.214452	-5.185562
6	-4.588325	0.261991	2.214895	6	4.532133	2.596566	1.025615
6	-3.329059	-1.788200	1.986672	6	4.506916	3.797393	1.756383
6	-5.755714	-0.470514	2.404033	6	5.752529	1.903004	0.951256
1	-4.628841	1.345825	2.229239	6	5.650014	4.286179	2.389646
6	-4.500378	-2.521736	2.185904	1	3.579969	4.361059	1.834633
1	-2.385303	-2.296615	1.837757	6	6.901018	2.387431	1.578463
6	-5.713733	-1.867001	2.390144	1	5.810109	0.964831	0.407158
1	-6.698742	0.047366	2.550350	6	6.851241	3.580305	2.301309

1	5.604083	5.214634	2.952861
1	7.831517	1.830222	1.509081
1	7.742849	3.956729	2.795491
6	2.292805	-0.914482	0.454162
6	3.073635	0.122582	0.059793
14	3.141206	-2.608146	0.125123
6	5.034059	-2.351413	0.423107
1	5.348521	-1.674391	-0.384156
6	2.916154	-2.882569	-1.779048
1	1.901716	-2.525610	-1.985999
6	2.483043	-4.003480	1.253243
1	1.401662	-3.855546	1.267445
6	5.426899	-1.671883	1.746817
1	4.851802	-0.759719	1.927297
1	5.271530	-2.335548	2.601638
1	6.491810	-1.398236	1.739212
6	5.837083	-3.651051	0.233997
1	5.631031	-4.131470	-0.728919
1	6.917355	-3.453006	0.279229
1	5.610540	-4.378115	1.021488
6	3.866550	-2.010832	-2.620691
1	4.905873	-2.349226	-2.531890
1	3.592628	-2.072186	-3.682592
1	3.832946	-0.954036	-2.341804
6	2.987655	-4.332304	-2.284695
1	2.180929	-4.944306	-1.881976
1	2.897685	-4.356902	-3.380208
1	3.938056	-4.813949	-2.027038
6	2.972924	-3.798106	2.700476
1	2.388186	-4.423110	3.388286
1	4.023806	-4.090647	2.805791
1	2.867014	-2.763387	3.036517
6	2.742578	-5.460172	0.831080
1	2.175617	-5.739986	-0.058344
1	3.800195	-5.660608	0.629261
1	2.434853	-6.139277	1.639234
1	4.025610	-0.136648	-0.421777

INT4b

45	-0.555826	-0.380692	-1.515220
15	-1.678158	0.466327	0.220444
6	-3.242429	-0.428018	0.551040
6	-3.410862	-1.713924	0.024997
6	-4.233466	0.118243	1.378645
6	-4.550664	-2.454933	0.336967
1	-2.648527	-2.121878	-0.627041
6	-5.375647	-0.621181	1.680063
1	-4.115979	1.119771	1.780078
6	-5.533851	-1.910121	1.163341
1	-4.668180	-3.454306	-0.071759
1	-6.143650	-0.191168	2.316868
1	-6.425020	-2.484128	1.401638
6	-2.173639	2.237292	0.129471
6	-2.249549	3.031572	1.284722
6	-2.525648	2.798199	-1.106487
6	-2.649837	4.364986	1.200945
1	-1.986589	2.616903	2.250958
6	-2.935088	4.129404	-1.183077
1	-2.480146	2.190935	-2.003096
6	-2.991030	4.919115	-0.033385
1	-2.694607	4.968679	2.103059
1	-3.204503	4.548858	-2.148290
1	-3.301059	5.958428	-0.097686
6	-0.787381	0.355687	1.820191
6	-1.002874	-0.729971	2.677919
6	0.237397	1.271476	2.113068
6	-0.203110	-0.899646	3.810525
1	-1.779807	-1.452113	2.452965
6	1.031216	1.099126	3.243986
1	0.427940	2.105015	1.448527
6	0.815468	0.010103	4.094969
1	-0.376390	-1.748503	4.465990
1	1.824349	1.811860	3.449667
1	1.438950	-0.126539	4.974092
17	-2.231307	0.060945	-3.118142
6	0.751022	-1.913945	-1.014485
6	0.137142	-3.068293	-0.309365
6	0.412779	-3.311769	1.045205
6	-0.781763	-3.910262	-0.962869
6	-0.233377	-4.338531	1.732880
1	1.140846	-2.696171	1.560823
6	-1.425059	-4.936172	-0.276613
1	-1.030487	-3.728707	-2.004141
6	-1.159390	-5.151141	1.078675
1	-0.005933	-4.505714	2.782212
1	-2.141906	-5.564230	-0.798264
1	-1.663471	-5.949891	1.615009
6	1.228710	-0.767251	-0.329357

1	1.042022	-0.763628	0.738042
6	2.489756	-1.631848	-2.943385
6	1.065553	-2.027796	-2.505357
6	2.789726	-0.132019	-2.749346
1	3.210448	-2.238534	-2.379703
1	2.604770	-1.906763	-3.999266
1	0.819446	-3.029572	-2.864489
1	0.364141	-1.363189	-3.094991
1	3.783891	0.111639	-3.142366
1	2.071514	0.462310	-3.330243
14	2.631837	0.298235	-0.918845
6	4.179287	-0.217533	0.026722
6	5.427739	-0.386675	-0.593449
6	4.099872	-0.452796	1.412840
6	6.554203	-0.773380	0.135627
1	5.527686	-0.215660	-1.662493
6	5.221575	-0.834996	2.148140
1	3.149578	-0.330014	1.927388
6	6.452856	-0.997657	1.509060
1	7.509286	-0.899475	-0.367486
1	5.136219	-1.008905	3.217771
6	2.258877	2.098306	-0.537233
6	1.137765	2.730193	-1.106971
6	2.994684	2.805807	0.428431
6	0.748039	4.008011	-0.705462
1	0.535670	2.198185	-1.840580
6	2.608951	4.085141	0.834583
1	3.865227	2.342960	0.884586
6	1.479311	4.684096	0.273707
1	-0.138943	4.462019	-1.134564
1	3.185767	4.610780	1.591322
1	1.167049	5.673126	0.598058
1	7.327878	-1.298889	2.078644

INT4

45	0.370988	0.575219	-1.024928
6	1.265566	1.687028	-3.832385
6	0.921786	0.387988	-3.097645
6	2.239167	2.541603	-3.015859
1	0.346704	2.253775	-4.033540
1	1.685138	1.452842	-4.824483
1	0.125738	-0.136459	-3.638956
1	1.791527	-0.277565	-3.101212
1	2.378986	3.549669	-3.427618
1	3.227976	2.061516	-3.004452
14	1.642389	2.560811	-1.212690
6	0.232084	3.827953	-0.987009
6	0.063976	4.537725	0.219887
6	-0.727392	4.050080	-1.994328
6	-0.996285	5.424628	0.406288
1	0.774013	4.401414	1.026679
6	-1.800100	4.924700	-1.810364
1	-0.629699	3.544715	-2.949176
6	-1.939060	5.617468	-0.606932
1	-1.090131	5.955085	1.350086
1	-2.520760	5.072883	-2.610883
1	-2.767483	6.306044	-0.462207
6	3.099640	3.195873	-0.178306
6	3.267582	4.580732	0.007404
6	4.103076	2.350391	0.327444
6	4.363837	5.098363	0.698986
1	2.528447	5.271534	-0.387037
6	5.202244	2.861694	1.019608
1	4.007197	1.279424	0.189159
6	5.332718	4.238100	1.215987
1	4.459832	6.172976	0.833088
1	5.956907	2.184034	1.407158
1	6.186713	4.635918	1.758199
6	-6.815847	-0.490860	-0.066589
6	-5.524884	-0.803795	0.295187
6	-4.530302	0.205778	0.414804
6	-4.907567	1.558109	0.138021
6	-6.241441	1.846460	-0.248372
6	-7.181202	0.846227	-0.345922
1	-7.559167	-1.279326	-0.144046
1	-5.256662	-1.833901	0.494652
6	-3.173036	-0.092912	0.777507
6	-3.925839	2.574170	0.236118
1	-6.505928	2.878583	-0.463565
1	-8.201310	1.079165	-0.637565
6	-2.646620	2.279320	0.629351
6	-2.255995	0.944448	0.938765
1	-4.190048	3.597811	-0.013161
6	-3.872779	-3.785506	4.327865
6	-3.196326	-4.395411	3.296785
6	-2.836577	-3.668864	2.132414
6	-3.179154	-2.282984	2.037983
6	-3.881985	-1.684991	3.119383

6	-4.220604	-2.416932	4.234037	1	-5.993056	-0.835184	-3.242182
1	-1.884085	-5.328061	1.125360	1	-3.559937	2.700167	-3.556326
1	-4.141344	-4.350906	5.215599	1	-5.732544	1.537389	-3.924411
1	-2.922246	-5.445424	3.358651	6	-0.711268	-2.455761	-2.666133
6	-2.135904	-4.272619	1.060817	6	0.629103	-2.849334	-2.532710
6	-2.781153	-1.534043	0.887504	6	-1.511168	-3.059422	-3.644496
1	-4.139921	-0.633973	3.057815	6	1.149735	-3.854209	-3.346573
1	-4.753269	-1.940409	5.052066	1	1.266933	-2.349727	-1.811214
6	-2.069541	-2.156976	-0.139606	6	-0.982416	-4.056264	-4.465371
6	-1.762763	-3.541006	-0.039340	1	-2.540694	-2.745953	-3.776428
1	-1.914059	3.072769	0.679416	6	0.345311	-4.460690	-4.313133
1	-1.211745	-4.021544	-0.838502	1	2.187974	-4.151051	-3.231030
15	-0.453907	0.672579	1.215504	1	-1.608548	-4.515341	-5.225414
15	-1.317574	-1.170992	-1.508101	1	0.753574	-5.238308	-4.952647
6	-0.288343	-0.758618	2.352983	6	2.011556	-0.264975	-0.544821
6	-0.801891	-0.686953	3.656504	6	2.994079	-0.949884	-0.248163
6	0.386955	-1.912149	1.942303	14	4.481816	-1.972299	-0.062363
6	-0.669331	-1.767504	4.523752	6	5.125880	-1.962133	1.735345
1	-1.311328	0.211790	3.989399	1	6.020910	-2.603663	1.741784
6	0.519071	-2.992768	2.814449	6	4.066389	-3.748740	-0.651826
1	0.819427	-1.952437	0.951277	1	3.908848	-3.635137	-1.735777
6	-0.012264	-2.925579	4.101783	6	5.795290	-1.164131	-1.196081
1	-1.089105	-1.711305	5.523589	1	5.782948	-0.106774	-0.890521
1	1.038882	-3.885052	2.480749	6	4.121690	-2.530457	2.750230
1	0.085653	-3.770769	4.776976	1	4.512782	-2.451957	3.774345
6	0.101663	2.010174	2.338245	1	3.173415	-1.983481	2.717161
6	1.492546	2.157482	2.435816	1	3.900076	-3.586275	2.565136
6	-0.731516	2.843348	3.094001	6	5.554152	-0.549023	2.162753
6	2.045435	3.154721	3.235681	1	4.695935	0.132324	2.166124
1	2.139520	1.505128	1.860935	1	5.972864	-0.554213	3.178511
6	-0.176797	3.840138	3.898805	1	6.311989	-0.126077	1.494007
1	-1.809287	2.732139	3.042579	6	5.221864	-4.742899	-0.444667
6	1.208678	4.006100	3.961407	1	4.958304	-5.739813	-0.824665
1	3.123465	3.279490	3.262126	1	6.137620	-4.428278	-0.954613
1	-0.830072	4.491662	4.472992	1	5.460129	-4.855603	0.620459
1	1.634331	4.795344	4.574687	6	2.767219	-4.320579	-0.058210
6	-2.744498	-0.372962	-2.329698	1	2.897417	-4.578108	0.998502
6	-3.974034	-1.016482	-2.528028	1	1.936139	-3.614259	-0.125489
6	-2.608895	0.968218	-2.712479	1	2.467531	-5.239493	-0.580851
6	-5.038993	-0.334031	-3.111995	6	7.231506	-1.681084	-1.017647
1	-4.108692	-2.038354	-2.187175	1	7.331628	-2.718470	-1.357402
6	-3.676625	1.654709	-3.286797	1	7.939213	-1.081958	-1.606926
1	-1.668735	1.485859	-2.545194	1	7.559256	-1.644969	0.027625
6	-4.893485	1.002731	-3.488996	6	5.366548	-1.210669	-2.671869

1	5.369291	-2.239344	-3.055584
1	4.357155	-0.805854	-2.805495
1	6.051560	-0.628015	-3.302773

INT7a

45	-0.975636	0.605501	-1.228496
6	-2.715871	2.264254	-3.157166
6	-1.390206	2.341771	-2.385633
6	-3.886184	2.033772	-2.185896
1	-2.884472	3.174036	-3.757282
1	-2.667369	1.428093	-3.866841
1	-1.380750	3.240457	-1.753409
1	-0.542303	2.451633	-3.080153
1	-4.178892	2.981135	-1.715742
1	-4.781359	1.663897	-2.699746
14	-3.256231	0.866905	-0.806344
6	-3.487486	1.798683	0.845238
6	-3.200430	3.175334	0.904131
6	-3.971110	1.196815	2.021096
6	-3.373462	3.912073	2.076424
1	-2.832254	3.682852	0.017734
6	-4.131022	1.922477	3.203553
1	-4.241701	0.146948	2.015766
6	-3.828658	3.284420	3.237494
1	-3.158812	4.977873	2.082045
1	-4.507194	1.424809	4.094108
6	3.738037	-2.612937	3.709222
6	3.345885	-2.105231	2.491684
6	2.796334	-0.797475	2.382556
6	2.678362	-0.017320	3.575059
6	3.082941	-0.570797	4.817383
6	3.601023	-1.842940	4.888249
1	4.152281	-3.615583	3.766491
1	3.445200	-2.710032	1.598723
6	2.331287	-0.264833	1.134222
6	2.159911	1.295530	3.480416
1	2.975272	0.034620	5.713717
1	3.908416	-2.257314	5.844146
6	1.752433	1.804450	2.273714
6	1.810295	1.029033	1.084229
1	2.091011	1.901417	4.380284
6	6.332048	-1.661007	-1.798137
6	5.235578	-2.256641	-2.377424
6	3.941781	-2.105314	-1.815222
6	3.771307	-1.309410	-0.638995
6	4.926663	-0.705637	-0.069744
6	6.171849	-0.881929	-0.629063
1	2.932536	-3.338133	-3.278010
1	7.318923	-1.787356	-2.234122
1	5.342236	-2.859203	-3.275923
6	2.805732	-2.727127	-2.387749
6	2.458407	-1.130342	-0.084206
1	4.817229	-0.093385	0.816775
1	7.038201	-0.411090	-0.173013
6	1.365435	-1.772430	-0.667442
6	1.563711	-2.573158	-1.826967
1	1.376940	2.818105	2.230391
1	0.710620	-3.067520	-2.276574
15	1.005972	1.674551	-0.455294
15	-0.388791	-1.409936	-0.181271
6	2.296937	1.443763	-1.733767
6	3.624846	1.843242	-1.529339
6	1.949624	0.808138	-2.934193
6	4.587319	1.615266	-2.510260
1	3.907796	2.310947	-0.590895
6	2.916682	0.569889	-3.909659
1	0.924093	0.480977	-3.087911
6	4.235933	0.973056	-3.699116
1	5.616881	1.911834	-2.335186
1	2.640808	0.058593	-4.827263
1	4.992270	0.777728	-4.453565
6	0.920021	3.491476	-0.211346
6	-0.036896	3.981988	0.691184
6	1.681850	4.404178	-0.950927
6	-0.194490	5.351865	0.884755
1	-0.675949	3.289371	1.227436
6	1.509611	5.778218	-0.768483
1	2.403158	4.048837	-1.677013
6	0.580520	6.256112	0.154778
1	-0.933702	5.709751	1.594996
1	2.104814	6.474050	-1.353240
1	0.451182	7.325345	0.296708
6	-0.396340	-1.519948	1.651629
6	0.218730	-2.553904	2.373516
6	-1.053021	-0.501551	2.353384
6	0.148162	-2.583609	3.764344
1	0.789589	-3.314048	1.850686
6	-1.121886	-0.528298	3.746267

1	-1.498966	0.317676	1.801941
6	-0.525872	-1.572700	4.453453
1	0.646954	-3.377752	4.311061
1	-1.640231	0.271175	4.267680
1	-0.571035	-1.593884	5.538719
6	-1.288162	-2.929760	-0.734465
6	-1.880822	-2.906521	-2.006158
6	-1.435494	-4.081531	0.049476
6	-2.597759	-4.002423	-2.481885
1	-1.803155	-2.007759	-2.608570
6	-2.153733	-5.178552	-0.425906
1	-1.021534	-4.120733	1.048372
6	-2.738116	-5.143280	-1.691650
1	-3.064534	-3.953729	-3.461310
1	-2.265580	-6.058087	0.202517
1	-3.309285	-5.993170	-2.054528
1	-3.961232	3.854123	4.153502
6	-4.290021	-0.718863	-0.675509
6	-5.295800	-1.004190	-1.614062
6	-4.032649	-1.695562	0.304126
6	-6.013876	-2.201491	-1.577175
1	-5.523387	-0.284065	-2.394808
6	-4.749274	-2.889962	0.354711
1	-3.242926	-1.536944	1.032350
6	-5.742908	-3.148761	-0.590086
1	-6.784440	-2.393237	-2.319950
1	-4.514554	-3.627677	1.116517
1	-6.296048	-4.083852	-0.560547
1	-2.117856	-0.107373	-2.079401

INT5b

45	-0.152375	-1.215627	-0.334966
15	-1.142414	1.000515	-0.287200
6	-2.135407	1.255288	-1.814307
6	-2.539907	0.121073	-2.531756
6	-2.520250	2.525191	-2.270289
6	-3.324000	0.250786	-3.678757
1	-2.238622	-0.859876	-2.177277
6	-3.300351	2.654194	-3.418615
1	-2.206273	3.410262	-1.725563
6	-3.704854	1.517138	-4.123715
1	-3.634562	-0.637016	-4.222398
1	-3.593607	3.641831	-3.764067
1	-4.312926	1.620612	-5.018209
6	-0.137314	2.547172	-0.263605
6	-0.158696	3.464641	0.794663
6	0.756097	2.765870	-1.326245
6	0.709583	4.558744	0.803883
1	-0.851549	3.324479	1.616703
6	1.622070	3.857239	-1.316051
1	0.774726	2.077236	-2.163732
6	1.608372	4.754431	-0.244799
1	0.677938	5.261208	1.632694
1	2.309898	4.005296	-2.143862
1	2.286870	5.602668	-0.233389
6	-2.355125	1.283522	1.063830
6	-3.694954	1.618733	0.837953
6	-1.914680	1.086827	2.383219
6	-4.576053	1.770558	1.910387
1	-4.055775	1.751236	-0.175835
6	-2.793096	1.247918	3.453161
1	-0.882377	0.807779	2.566822
6	-4.128706	1.587781	3.218826
1	-5.614587	2.026330	1.719510
1	-2.437597	1.097391	4.468992
1	-4.815893	1.703977	4.052409
17	1.851181	-0.478081	-1.715759
6	-1.781464	-1.953041	0.785155
6	-3.153589	-2.187559	0.430596
6	-3.493553	-2.816468	-0.781321
6	-4.185085	-1.737229	1.276032
6	-4.828128	-2.994718	-1.134012
1	-2.695258	-3.158478	-1.432836
6	-5.517636	-1.911713	0.912884
1	-3.925449	-1.227928	2.197583
6	-5.845970	-2.539879	-0.291105
1	-5.076537	-3.485727	-2.071121
1	-6.303091	-1.546585	1.569135
1	-6.887035	-2.671413	-0.572515
6	-0.784321	-1.762685	1.537118
1	-0.243081	-1.827448	2.464623
6	1.596776	-3.728601	0.192255
6	0.434552	-3.192617	-0.647861
6	2.956280	-3.081719	-0.128705
1	1.365103	-3.585830	1.255499
1	1.705311	-4.817242	0.053637
1	-0.441678	-3.829399	-0.475363
1	0.685505	-3.259936	-1.720766

1	3.743419	-3.457890	0.541972
1	3.273154	-3.368214	-1.141933
14	3.039146	-1.212394	-0.068787
6	2.479735	-0.436740	1.528618
6	2.182759	0.933418	1.630580
6	2.416529	-1.222447	2.693359
6	1.807173	1.493221	2.850911
1	2.228182	1.566343	0.750473
6	2.037642	-0.665021	3.915012
1	2.649275	-2.282339	2.645901
6	1.726265	0.694214	3.994109
1	1.568781	2.550630	2.901462
1	1.988147	-1.288998	4.803343
1	1.430013	1.130755	4.944100
6	4.752824	-0.601483	-0.512861
6	5.367694	-0.999389	-1.714251
6	5.470280	0.240524	0.353020
6	6.653302	-0.571811	-2.039322
1	4.832728	-1.643102	-2.408879
6	6.759012	0.670566	0.031229
1	5.016012	0.565594	1.284567
6	7.351608	0.264917	-1.164599
1	7.111168	-0.887838	-2.972674
1	7.298051	1.323142	0.712652
1	8.354062	0.599773	-1.417022

INT5

45	0.299288	0.598268	-1.126644
6	0.642850	1.279522	-3.356600
6	1.389848	0.142706	-3.133244
6	1.208508	2.669992	-3.137832
1	-0.770648	1.768808	-1.453724
1	-0.320474	1.173222	-3.850115
1	1.040782	-0.826853	-3.462819
1	2.438388	0.200024	-2.865829
1	0.420300	3.420119	-3.251436
1	2.001849	2.913643	-3.854542
14	1.671939	2.548446	-1.278028
6	1.094501	4.136890	-0.422730
6	1.883118	4.885616	0.464465
6	-0.200783	4.615999	-0.694056
6	1.391961	6.039809	1.077969
1	2.897109	4.571001	0.682401
6	-0.695546	5.773182	-0.094303
1	-0.839091	4.062266	-1.377801
6	0.099451	6.485955	0.806308
1	2.023162	6.589278	1.771461
1	-1.700903	6.117333	-0.326447
1	-0.283566	7.383576	1.284542
6	3.553742	2.373372	-1.137087
6	4.240692	2.448641	0.088288
6	4.333751	2.157736	-2.288349
6	5.629397	2.346150	0.160034
1	3.684444	2.591831	1.005652
6	5.722669	2.033425	-2.224800
1	3.856961	2.088984	-3.260845
6	6.378679	2.135367	-0.998365
1	6.125041	2.418059	1.124232
1	6.291056	1.861142	-3.134972
1	7.460035	2.043998	-0.944245
6	-6.964660	0.008801	-0.122383
6	-5.676662	-0.373129	0.179607
6	-4.638904	0.587553	0.321091
6	-4.967287	1.964146	0.114100
6	-6.299993	2.326584	-0.206180
6	-7.284103	1.371052	-0.317861
1	-7.739879	-0.745727	-0.220731
1	-5.444636	-1.422223	0.311464
6	-3.285601	0.217194	0.647138
6	-3.937762	2.934248	0.213554
1	-6.527901	3.378014	-0.362012
1	-8.303040	1.659599	-0.559697
6	-2.657484	2.567661	0.532845
6	-2.318692	1.208946	0.789708
1	-4.175684	3.978143	0.024192
6	-4.330146	-3.365746	4.212815
6	-3.675642	-4.036948	3.206204
6	-3.227663	-3.352437	2.046935
6	-3.458161	-1.945859	1.927912
6	-4.137949	-1.284035	2.986891
6	-4.563989	-1.975151	4.097576
1	-2.383863	-5.093733	1.082297
1	-4.667133	-3.898907	5.097167
1	-3.485847	-5.104415	3.283843
6	-2.546503	-4.021871	1.002572
6	-2.976403	-1.243790	0.776387
1	-4.307829	-0.216383	2.914548
1	-5.076731	-1.447995	4.897062

6	-2.276365	-1.932838	-0.216196
6	-2.081946	-3.333791	-0.090572
1	-1.880927	3.319883	0.559740
1	-1.549862	-3.868027	-0.867434
15	-0.530101	0.814678	0.992370
15	-1.491531	-1.011431	-1.620275
6	-0.495485	-0.574901	2.204646
6	-1.021065	-0.334297	3.484237
6	0.042395	-1.829777	1.911782
6	-1.028504	-1.341498	4.444562
1	-1.430646	0.640639	3.728979
6	0.033058	-2.836370	2.877147
1	0.483550	-2.009156	0.942468
6	-0.503895	-2.599211	4.141244
1	-1.454347	-1.147715	5.424441
1	0.446563	-3.809098	2.630988
1	-0.515343	-3.388310	4.887394
6	0.248021	2.071354	2.082570
6	1.612102	1.836219	2.324401
6	-0.401767	3.101278	2.767193
6	2.310136	2.625894	3.232635
1	2.112820	1.023395	1.803998
6	0.310821	3.907251	3.658823
1	-1.460193	3.280019	2.623725
6	1.663148	3.672050	3.895980
1	3.360612	2.422516	3.421617
1	-0.200432	4.717769	4.170031
1	2.210940	4.295924	4.596443
6	-2.997713	-0.352306	-2.448800
6	-4.114570	-1.182806	-2.637351
6	-3.080654	0.990395	-2.831463
6	-5.283046	-0.679809	-3.202985
1	-4.075525	-2.218729	-2.313933
6	-4.256290	1.496277	-3.387503
1	-2.236545	1.643431	-2.643663
6	-5.358561	0.664310	-3.575367
1	-6.143953	-1.329785	-3.329800
1	-4.313271	2.547023	-3.657532
1	-6.278129	1.061559	-3.995055
6	-0.902476	-2.355454	-2.726415
6	0.303381	-2.984146	-2.365248
6	-1.537007	-2.734839	-3.915596
6	0.836520	-3.998888	-3.155544
1	0.845773	-2.638433	-1.490829
6	-0.989346	-3.742011	-4.714892
1	-2.453564	-2.245590	-4.224671
6	0.189574	-4.382567	-4.333835
1	1.766970	-4.473748	-2.857256
1	-1.488830	-4.023747	-5.637764
1	0.610113	-5.166534	-4.957330
6	1.817876	-0.604588	-0.460161
6	2.783884	-1.252663	-0.050811
14	4.284827	-2.151041	0.421011
6	4.721323	-1.802696	2.249120
1	5.586777	-2.436579	2.495763
6	4.032531	-4.032902	0.137613
1	4.190245	-4.176471	-0.943091
6	5.683047	-1.487559	-0.694680
1	5.674897	-0.407776	-0.499354
6	3.572206	-2.165645	3.202883
1	3.837478	-1.941314	4.245852
1	2.667153	-1.598595	2.961547
1	3.312349	-3.228550	3.151464
6	5.135553	-0.336959	2.454677
1	4.330560	0.340219	2.148337
1	5.359936	-0.134743	3.511885
1	6.019469	-0.070833	1.866465
6	5.072468	-4.889076	0.881677
1	4.963246	-5.953368	0.630077
1	6.100611	-4.597229	0.643221
1	4.950709	-4.799512	1.968199
6	2.611979	-4.524181	0.461207
1	2.399350	-4.438781	1.533148
1	1.850107	-3.944576	-0.067292
1	2.486603	-5.582079	0.188976
6	7.085538	-2.017231	-0.360326
1	7.178662	-3.084372	-0.597493
1	7.854236	-1.491210	-0.944010
1	7.334758	-1.892367	0.700275
6	5.362603	-1.672896	-2.185395
1	5.376414	-2.733352	-2.471126
1	4.372944	-1.272113	-2.427452
1	6.099356	-1.155162	-2.815019

INT8a

45	-0.902829	0.974757	-0.747737
6	-3.168415	3.036200	-2.448043
6	-1.647260	3.078365	-2.284496

6	-3.862644	2.601196	-1.152871	1	4.876540	-0.636996	0.723776
1	-3.521707	4.032163	-2.750652	1	7.019223	-1.147936	-0.353781
1	-3.423517	2.354435	-3.270768	6	1.199584	-1.608112	-0.857088
1	-1.357889	3.585171	-1.357408	6	1.272812	-2.273799	-2.112540
1	-1.130108	3.587632	-3.105979	1	1.769460	2.640371	2.334052
1	-3.693709	3.377100	-0.393634	1	0.357567	-2.574809	-2.605410
1	-4.950975	2.552285	-1.292130	15	1.305505	1.662035	-0.438350
14	-3.257408	0.933873	-0.371114	15	-0.493185	-1.123112	-0.220354
6	-3.552493	1.217735	1.496315	6	2.629022	1.485315	-1.690810
6	-2.911197	2.321299	2.094237	6	3.979910	1.734039	-1.412576
6	-4.278873	0.371287	2.349540	6	2.258604	1.045120	-2.967745
6	-2.950214	2.547145	3.469204	6	4.945879	1.540753	-2.397400
1	-2.364500	3.017978	1.464899	1	4.274192	2.053995	-0.416967
6	-4.327246	0.587590	3.729095	6	3.227075	0.848986	-3.951868
1	-4.820626	-0.472355	1.936107	1	1.212163	0.829658	-3.165018
6	-3.652715	1.668121	4.298222	6	4.570972	1.092759	-3.666406
1	-2.436921	3.406574	3.894767	1	5.993172	1.715462	-2.169529
1	-4.893582	-0.092334	4.360905	1	2.934418	0.489006	-4.934156
6	3.598982	-3.078872	3.462469	1	5.328202	0.924866	-4.426764
6	3.225594	-2.470824	2.286169	6	1.264927	3.462812	-0.073904
6	2.792625	-1.116175	2.265461	6	0.293240	3.917578	0.836417
6	2.759520	-0.398738	3.502633	6	2.043953	4.406728	-0.754617
6	3.129874	-1.060142	4.702411	6	0.119798	5.278885	1.074608
6	3.543905	-2.371842	4.686711	1	-0.330443	3.193026	1.349987
1	3.929661	-4.113680	3.453229	6	1.860583	5.772257	-0.523321
1	3.256238	-3.025711	1.356226	1	2.788670	4.078241	-1.470926
6	2.383178	-0.460600	1.060490	6	0.903158	6.212626	0.390591
6	2.374117	0.963607	3.490093	1	-0.633145	5.610017	1.784634
1	3.086906	-0.503894	5.635380	1	2.470363	6.492794	-1.061508
1	3.831646	-2.866189	5.610194	1	0.763842	7.275430	0.566536
6	2.033550	1.590551	2.316711	6	-0.439588	-1.628391	1.541756
6	2.018513	0.885017	1.084436	6	0.089099	-2.856722	1.966616
1	2.366583	1.516093	4.426377	6	-0.905161	-0.718878	2.499142
6	6.125453	-2.088255	-2.091411	6	0.121799	-3.178198	3.321456
6	4.949632	-2.446861	-2.708715	1	0.517121	-3.542780	1.242462
6	3.696389	-2.176830	-2.100974	6	-0.863350	-1.037794	3.856164
6	3.653260	-1.515171	-0.834043	1	-1.285722	0.240611	2.174769
6	4.888493	-1.150690	-0.229399	6	-0.353995	-2.268916	4.268881
6	6.089869	-1.435162	-0.837584	1	0.550620	-4.123245	3.640406
1	2.501405	-3.044549	-3.680169	1	-1.229757	-0.317756	4.581052
1	7.080034	-2.302680	-2.563506	1	-0.311943	-2.516706	5.325771
1	4.960058	-2.945801	-3.674499	6	-1.543093	-2.378409	-1.072960
6	2.475330	-2.540924	-2.716926	6	-2.068850	-2.017447	-2.323178
6	2.384753	-1.222138	-0.228169	6	-1.804036	-3.660191	-0.576007

6	-2.810580	-2.925231	-3.073673
1	-1.905635	-1.004410	-2.681255
6	-2.557254	-4.567063	-1.323432
1	-1.441894	-3.952341	0.401754
6	-3.055680	-4.205622	-2.574643
1	-3.226446	-2.621919	-4.029544
1	-2.760680	-5.555488	-0.920203
1	-3.651061	-4.909559	-3.149079
1	-3.685608	1.833399	5.372002
6	-4.462399	-0.409697	-0.951613
6	-5.253063	-0.219599	-2.098593
6	-4.566240	-1.655072	-0.303629
6	-6.112474	-1.213730	-2.571039
1	-5.200585	0.722650	-2.638098
6	-5.432447	-2.647479	-0.757314
1	-3.939767	-1.866025	0.557592
6	-6.210722	-2.430395	-1.896036
1	-6.710420	-1.034794	-3.461622
1	-5.484646	-3.598490	-0.234468
1	-6.881315	-3.205764	-2.257413
1	-1.230039	2.033115	-2.324930

INT6b

45	-0.634876	0.027349	-1.560570
17	1.449841	-0.643364	1.122503
6	1.158401	-0.488927	-2.776500
6	0.956614	0.887934	-2.808548
6	2.270079	-1.201428	-2.025281
1	0.770971	-1.067183	-3.613245
1	-0.414116	-1.567338	-1.598141
1	1.542294	1.564413	-2.193914
1	0.451194	1.346511	-3.653758
1	3.166444	-1.238545	-2.670465
1	1.989997	-2.250966	-1.870000
14	2.933433	-0.629594	-0.357143
6	4.197795	-1.898006	0.190851
6	3.796843	-3.161543	0.660816
6	5.572681	-1.630452	0.087580
6	4.739416	-4.127369	1.009236
1	2.738067	-3.384712	0.772320
6	6.519298	-2.596188	0.434711
1	5.906644	-0.655982	-0.259482
6	6.103256	-3.845932	0.894617
1	4.412963	-5.097170	1.375040
1	7.579162	-2.371208	0.351557
6	-4.327959	2.365245	1.745409
6	-3.443415	2.781514	2.739778
6	-3.998578	1.291298	0.915198
6	-2.219808	2.127531	2.897347
6	-1.884633	1.064748	2.063598
6	-2.778626	0.624478	1.073894
1	-1.512649	2.464208	3.649062
1	-0.920596	0.578862	2.171355
15	-2.223529	-0.698579	-0.071318
6	-3.782449	-1.309569	-0.833187
6	-4.857599	-1.779315	-0.064393
6	-3.885996	-1.312992	-2.229730
6	-6.020992	-2.230992	-0.683873
1	-4.782511	-1.794223	1.018548
6	-5.051473	-1.768414	-2.849884
1	-3.037195	-0.966404	-2.813159
6	-6.120326	-2.224468	-2.078389
1	-6.849306	-2.592300	-0.080602
1	-5.121386	-1.770217	-3.934232
1	-7.027497	-2.579675	-2.559501
6	-1.800352	-2.074334	1.085943
6	-0.966972	-3.113379	0.651316
6	-2.333254	-2.135486	2.382117
6	-0.674231	-4.188409	1.488662
1	-0.534906	-3.061725	-0.342259
6	-2.033744	-3.208062	3.223090
1	-2.971368	-1.336786	2.744111
6	-1.203399	-4.237519	2.779539
1	-0.023839	-4.983914	1.134658
1	-2.449122	-3.235405	4.226760
1	-0.966778	-5.069865	3.436537
1	-5.278309	2.875039	1.611846
1	-3.698525	3.620630	3.380754
1	-4.693454	0.972343	0.145802
6	0.867289	3.847770	1.432066
6	0.049954	4.926517	1.777478
6	-1.176113	5.102302	1.129664
6	-1.585151	4.206872	0.146897
6	-0.771567	3.111330	-0.199180
6	0.460358	2.943872	0.455754
1	1.825402	3.705964	1.922577
1	0.365639	5.627531	2.545393
1	-1.818221	5.937327	1.396748

1	-2.544892	4.326080	-0.344667
1	1.077792	2.092632	0.201261
6	-1.217446	2.173506	-1.186855
6	-1.878947	1.670754	-2.121684
1	-2.568661	1.663021	-2.945537
1	6.838499	-4.597820	1.168278
6	3.698995	1.075567	-0.376114
6	4.154433	1.650605	-1.574542
6	3.895904	1.788289	0.819678
6	4.773668	2.901633	-1.581744
1	4.012461	1.126539	-2.515697
6	4.514336	3.037654	0.816578
1	3.548837	1.366143	1.758957
6	4.950895	3.598154	-0.385914
1	5.110708	3.333749	-2.519789
1	4.653489	3.576315	1.749966
1	5.426636	4.574835	-0.390165

INT9a

45	0.350607	0.489052	0.191524
6	3.769800	3.740091	-1.469511
6	4.724400	3.632280	-2.663929
6	2.660991	2.675817	-1.508194
1	4.340620	3.644081	-0.538779
1	3.330163	4.745152	-1.441989
1	5.203375	2.644852	-2.691803
1	5.517558	4.389088	-2.623088
1	2.098196	2.771271	-2.447062
1	3.117254	1.678238	-1.541500
14	1.394840	2.652081	-0.069600
6	2.408412	2.905860	1.536563
6	3.667182	2.287143	1.682135
6	1.925055	3.625327	2.643584
6	4.395013	2.366697	2.869241
1	4.080833	1.717468	0.856495
6	2.644752	3.707585	3.838357
1	0.975083	4.145805	2.571349
6	3.882023	3.073720	3.958922
1	5.362692	1.876229	2.942666
1	2.240509	4.274996	4.673574
6	-6.927680	-0.576896	1.057506
6	-5.701221	-0.825918	0.485421
6	-4.549928	-1.054980	1.288224
6	-4.701108	-1.023786	2.710689
6	-5.975676	-0.748941	3.270496
6	-7.069035	-0.530961	2.464259
1	-7.793510	-0.406215	0.423981
1	-5.600406	-0.845838	-0.593136
6	-3.258492	-1.302214	0.720591
6	-3.569590	-1.281197	3.522749
1	-6.071187	-0.720117	4.352994
1	-8.041194	-0.326765	2.903755
6	-2.345063	-1.547627	2.961867
6	-2.167726	-1.553812	1.552193
1	-3.686261	-1.275864	4.603656
6	-4.551684	-4.833017	-2.784996
6	-3.947004	-3.825144	-3.499079
6	-3.482008	-2.651757	-2.850834
6	-3.631463	-2.518704	-1.435208
6	-4.261336	-3.581397	-0.728967
6	-4.711877	-4.703744	-1.385720
1	-2.766624	-1.685671	-4.647573
1	-4.906280	-5.726709	-3.290465
1	-3.815879	-3.908892	-4.574871
6	-2.869904	-1.598300	-3.568918
6	-3.123045	-1.350855	-0.771068
1	-4.379034	-3.504336	0.344572
1	-5.188889	-5.501107	-0.822843
6	-2.517882	-0.333784	-1.512073
6	-2.415935	-0.476228	-2.923329
1	-1.497386	-1.756050	3.603648
1	-1.966942	0.316473	-3.506114
15	-0.465313	-1.625969	0.843611
15	-1.662993	1.116496	-0.704411
6	-0.525354	-2.954483	-0.410498
6	-1.152208	-4.187496	-0.182902
6	0.071327	-2.702729	-1.652561
6	-1.181733	-5.154787	-1.184797
1	-1.636421	-4.377936	0.770506
6	0.035240	-3.670223	-2.656082
1	0.555192	-1.744446	-1.816338
6	-0.591908	-4.894961	-2.424042
1	-1.685621	-6.100213	-1.008604
1	0.492975	-3.464775	-3.619501
1	-0.628211	-5.645285	-3.208637
6	0.597232	-2.300865	2.184840
6	0.982916	-1.425304	3.215783
6	1.166979	-3.578218	2.138031

6	1.898456	-1.825721	4.185315
1	0.585330	-0.413654	3.236420
6	2.096481	-3.973913	3.103140
1	0.905415	-4.260278	1.337630
6	2.461681	-3.103468	4.129122
1	2.190321	-1.131987	4.968365
1	2.538588	-4.964757	3.045133
1	3.190409	-3.410764	4.873679
6	-2.910456	1.726734	0.485208
6	-4.231011	2.010416	0.114816
6	-2.533424	1.850039	1.829343
6	-5.150565	2.443062	1.069109
1	-4.550046	1.863738	-0.912323
6	-3.456866	2.267790	2.784351
1	-1.514513	1.593763	2.108746
6	-4.765868	2.571557	2.404113
1	-6.175133	2.649206	0.775346
1	-3.157939	2.345164	3.825654
1	-5.489627	2.889819	3.148573
6	-1.581002	2.334886	-2.078415
6	-0.538705	2.159526	-3.003684
6	-2.457182	3.411062	-2.240360
6	-0.404692	3.015820	-4.093413
1	0.178471	1.357830	-2.847876
6	-2.309685	4.279582	-3.322974
1	-3.227431	3.604947	-1.505303
6	-1.296509	4.078033	-4.258465
1	0.406535	2.865212	-4.800191
1	-2.981758	5.126871	-3.421290
1	-1.185532	4.758012	-5.098339
1	4.444701	3.137686	4.886754
6	0.291822	4.194235	-0.241949
6	0.449535	5.114021	-1.291934
6	-0.749382	4.444673	0.670023
6	-0.381431	6.228193	-1.420888
1	1.220588	4.952231	-2.037907
6	-1.589894	5.550779	0.549259
1	-0.923995	3.749763	1.482968
6	-1.405595	6.452469	-0.500286
1	-0.235073	6.916391	-2.249869
1	-2.390078	5.701727	1.269859
1	-2.056751	7.316848	-0.603246
1	4.185842	3.760693	-3.611761
6	3.293381	-0.863421	0.051095
6	2.234372	-0.280666	0.302714
1	1.801850	0.265975	1.232385
6	6.073782	-1.173515	1.103746
1	6.354190	-0.115430	0.983145
6	5.451821	-0.641169	-1.943537
1	5.314679	0.413070	-1.655380
6	4.728623	-3.470675	-0.560460
1	4.811511	-3.861657	0.466181
6	4.495771	-0.916219	-3.117158
1	4.721674	-0.259624	-3.968235
1	4.583424	-1.951070	-3.470204
1	3.451785	-0.746542	-2.830186
6	6.920307	-0.815512	-2.361877
1	7.147915	-0.195892	-3.239997
1	7.609389	-0.517311	-1.564311
1	7.148436	-1.853268	-2.628691
6	7.362626	-2.014429	1.107450
1	8.022419	-1.710070	1.931107
1	7.136393	-3.077824	1.252449
1	7.931903	-1.921286	0.176603
6	5.338155	-1.320289	2.447823
1	6.011096	-1.094401	3.286892
1	4.474982	-0.653087	2.515031
1	4.969182	-2.343516	2.591224
6	5.839816	-4.120924	-1.403446
1	6.843047	-3.878752	-1.037747
1	5.740597	-5.214926	-1.399707
1	5.781476	-3.796097	-2.448869
6	3.341770	-3.868941	-1.090954
1	2.541298	-3.474686	-0.461293
1	3.173384	-3.485923	-2.104105
1	3.235851	-4.961910	-1.134921
14	4.920894	-1.578805	-0.367348

INT7b

45	-0.101410	-0.272715	-1.017770
15	-0.625081	-1.977772	0.723217
6	0.194996	-3.607818	0.442689
6	0.238189	-4.098269	-0.868376
6	0.663577	-4.413861	1.490633
6	0.776762	-5.358508	-1.129334
1	-0.166108	-3.494846	-1.674462
6	1.209630	-5.668687	1.224203
1	0.601507	-4.066847	2.516355

6	1.274003	-6.141874	-0.088244	1	2.224590	0.178084	-3.285632
1	0.811137	-5.722481	-2.152317	1	1.734112	1.587594	-4.188617
1	1.577299	-6.279966	2.044021	1	-0.299056	0.706986	-3.386188
1	1.699982	-7.120028	-0.294291	1	0.029905	2.086487	-2.333715
6	-2.313821	-2.607845	1.085811	1	3.768527	1.976008	-2.749178
6	-2.692209	-3.072980	2.352700	1	2.470604	3.124825	-2.516663
6	-3.178082	-2.785897	-0.003475	14	2.734171	1.796355	-0.486429
6	-3.931721	-3.686393	2.532202	6	4.444285	1.390266	0.213075
1	-2.020386	-2.968717	3.197858	6	4.551510	0.905661	1.532492
6	-4.405877	-3.418749	0.179994	6	5.618765	1.443779	-0.553071
1	-2.880999	-2.436837	-0.987320	6	5.774164	0.491248	2.059825
6	-4.789124	-3.863962	1.445488	1	3.663120	0.834818	2.156277
1	-4.219724	-4.037857	3.519477	6	6.846873	1.025756	-0.034683
1	-5.070127	-3.546431	-0.668803	1	5.579084	1.806808	-1.576307
1	-5.751862	-4.348064	1.585556	6	6.927370	0.545570	1.272477
6	0.048185	-1.431408	2.339477	1	5.828747	0.121366	3.080752
6	1.419183	-1.574838	2.620287	1	7.739426	1.071918	-0.653096
6	-0.739741	-0.690746	3.232505	15	-2.073482	1.140308	-0.492937
6	1.976211	-1.010079	3.768382	6	-2.437621	2.350467	-1.835208
1	2.052367	-2.138201	1.942643	6	-2.401154	3.737781	-1.644247
6	-0.184449	-0.132991	4.383004	6	-2.663344	1.850582	-3.129559
1	-1.793393	-0.544536	3.025150	6	-2.617450	4.607037	-2.715618
6	1.175594	-0.287589	4.654945	1	-2.195605	4.145326	-0.661983
1	3.036932	-1.137890	3.966554	6	-2.894716	2.721054	-4.192652
1	-0.815136	0.440172	5.055713	1	-2.608803	0.780975	-3.310109
1	1.608157	0.151558	5.549309	6	-2.874465	4.102658	-3.990047
17	-1.372398	-1.596362	-2.787649	1	-2.584489	5.680637	-2.549585
6	1.707548	-0.810197	-0.951162	1	-3.070206	2.316727	-5.185692
6	2.646641	-1.748908	-1.478227	1	-3.044923	4.780061	-4.822221
6	3.916759	-1.918279	-0.884175	6	-3.746393	0.416798	-0.158379
6	2.296622	-2.506006	-2.617508	6	-4.134834	0.145217	1.163072
6	4.807780	-2.846813	-1.409009	6	-4.631936	0.089799	-1.193280
1	4.182134	-1.318689	-0.020603	6	-5.381554	-0.407344	1.444360
6	3.205051	-3.409798	-3.151906	1	-3.467641	0.387646	1.981823
1	1.316182	-2.345781	-3.056913	6	-5.882436	-0.460459	-0.911090
6	4.452987	-3.586612	-2.542517	1	-4.359005	0.272125	-2.224048
1	5.781400	-2.985642	-0.948873	6	-6.264864	-0.705980	0.407031
1	2.944161	-3.986491	-4.034104	1	-5.656425	-0.613477	2.474484
1	5.156494	-4.303787	-2.956923	1	-6.557954	-0.695881	-1.728982
6	1.718049	0.276800	-0.051609	1	-7.238116	-1.136924	0.624318
1	1.781959	0.043358	1.014254	6	-1.882566	2.191274	1.005240
6	1.790192	1.175991	-3.168092	6	-2.914101	3.038136	1.450461
6	0.368501	1.086281	-2.614235	6	-0.696891	2.127626	1.740092
6	2.748149	2.074578	-2.357231	6	-2.747189	3.811365	2.595730

1	-3.849620	3.081475	0.901583
6	-0.533356	2.892763	2.896449
1	0.093562	1.475335	1.396082
6	-1.553219	3.738497	3.322257
1	-3.548541	4.466373	2.926668
1	0.398246	2.831831	3.447788
1	-1.423818	4.342916	4.216051
1	7.880787	0.216196	1.676497
6	2.070805	3.340408	0.365679
6	2.641016	3.855003	1.541600
6	0.977818	4.032978	-0.187872
6	2.134653	5.006832	2.147671
1	3.499811	3.359045	1.985237
6	0.471478	5.185290	0.409173
1	0.505730	3.665248	-1.093588
6	1.046805	5.673471	1.583134
1	2.593545	5.386123	3.057257
1	-0.375924	5.697391	-0.038126
1	0.650360	6.568852	2.054125

INT8b

45	0.014678	-0.235292	-1.026187
17	2.320428	0.760976	-1.625296
6	1.790416	-2.748930	-1.778154
6	0.697935	-1.780903	-2.280721
6	2.459667	-2.363266	-0.440182
1	1.362451	-3.747321	-1.636668
1	2.572524	-2.865221	-2.543881
1	-0.131405	-2.360989	-2.694384
1	1.091386	-1.172052	-3.108130
1	1.712504	-2.455993	0.353871
1	3.265857	-3.076380	-0.203928
14	3.190455	-0.644323	-0.264892
6	2.958397	0.069730	1.447615
6	2.520801	1.379871	1.693581
6	3.261397	-0.749834	2.550332
6	2.377548	1.854036	2.998544
1	2.279510	2.033739	0.864420
6	3.130292	-0.275746	3.856115
1	3.602655	-1.770914	2.392272
6	2.681816	1.027879	4.081754
1	2.029334	2.869623	3.159605
1	3.373860	-0.922572	4.694898
6	-2.722814	-1.674529	3.846645
6	-1.520069	-1.490554	4.528741
6	-2.749808	-1.673692	2.451662
6	-0.344572	-1.272299	3.808039
6	-0.374427	-1.253104	2.414274
6	-1.572954	-1.480444	1.719919
1	0.594930	-1.099007	4.321763
6	-3.891541	1.684935	3.270121
6	-2.513368	1.619470	3.486169
1	-5.450495	1.835167	1.788303
6	-4.379693	1.801939	1.969916
6	-1.633251	1.669614	2.409215
6	-2.112831	1.833476	1.097999
6	-3.497085	1.884323	0.891076
1	0.529073	-1.040947	1.852547
1	-3.892931	1.985824	-0.112048
15	-1.462894	-1.614521	-0.121410
15	-0.900337	1.812110	-0.282739
6	-3.227501	-1.588036	-0.672735
6	-4.134061	-2.607925	-0.336542
6	-3.677457	-0.527754	-1.463877
6	-5.461580	-2.543190	-0.757104
1	-3.796392	-3.460815	0.243412
6	-5.004905	-0.461123	-1.890163
1	-2.978302	0.241579	-1.756856
6	-5.902423	-1.466093	-1.531444
1	-6.151351	-3.338195	-0.486933
1	-5.327824	0.373382	-2.506824
1	-6.936555	-1.420763	-1.861938
6	-1.125118	-3.429029	-0.289261
6	-1.505054	-4.094722	-1.466024
6	-0.409090	-4.141770	0.681043
6	-1.161481	-5.428945	-1.673324
1	-2.078218	-3.566292	-2.221114
6	-0.064289	-5.478316	0.473579
1	-0.122534	-3.656138	1.607203
6	-0.432667	-6.125162	-0.706036
1	-1.461874	-5.924956	-2.592259
1	0.490575	-6.013813	1.239331
1	-0.162131	-7.164754	-0.868384
6	0.151803	3.307120	0.070306
6	0.142102	4.038699	1.264508
6	1.025054	3.714459	-0.952650
6	1.009216	5.119519	1.445870
1	-0.547109	3.777292	2.057858

6	1.891336	4.789743	-0.771544	6	5.184894	-1.027089	2.589875
1	1.020751	3.190061	-1.901981	1	5.043653	-0.080351	0.661963
6	1.895430	5.491750	0.436033	6	4.484473	-1.622009	3.642202
1	0.982831	5.674272	2.380323	1	2.544954	-2.185888	4.398269
1	2.562275	5.079802	-1.575317	1	6.265555	-0.926190	2.642332
1	2.573224	6.328089	0.581553	1	5.020572	-1.987230	4.513838
6	-1.829620	2.556786	-1.702001	6	3.119851	1.429364	-0.518704
6	-1.745797	1.944074	-2.959278	6	3.857304	1.537728	-1.703081
6	-2.544733	3.756769	-1.576115	6	3.079509	2.523556	0.361313
6	-2.383430	2.506445	-4.067557	6	4.536341	2.721400	-2.005752
1	-1.185969	1.013710	-3.048440	1	3.903501	0.698898	-2.389457
6	-3.189374	4.313611	-2.678923	6	3.763379	3.699369	0.062523
1	-2.592622	4.254645	-0.612140	1	2.507803	2.444127	1.282151
6	-3.111285	3.688184	-3.927132	6	4.491651	3.802945	-1.126760
1	-2.310913	2.019701	-5.036262	1	5.104569	2.793098	-2.929225
1	-3.747400	5.239431	-2.568185	1	3.728796	4.536161	0.755077
1	-3.611501	4.126182	-4.786555	1	5.021748	4.721254	-1.363230
1	2.572421	1.397354	5.097841	6	2.563399	-1.261761	-1.394927
6	5.009509	-0.622918	-0.707280	6	3.578854	-2.220436	-1.300161
6	5.521055	-1.501948	-1.678157	6	1.798348	-1.193899	-2.569970
6	5.895736	0.275859	-0.089804	6	3.829515	-3.089951	-2.364272
6	6.871579	-1.480502	-2.025198	1	4.169975	-2.297059	-0.394232
1	4.857636	-2.209963	-2.168959	6	2.058260	-2.052044	-3.636319
6	7.247489	0.300315	-0.433445	1	0.989580	-0.470056	-2.625015
1	5.523947	0.958037	0.670441	6	3.074799	-3.005415	-3.534304
6	7.736415	-0.578002	-1.402346	1	4.614986	-3.835468	-2.275300
1	7.250167	-2.166818	-2.777841	1	1.459851	-1.987265	-4.541005
1	7.919391	1.000844	0.055137	1	3.271183	-3.683541	-4.360135
1	8.789530	-0.561383	-1.669928	17	-3.641429	-1.146333	2.494075
1	-4.578771	1.627928	4.109680	6	-1.286795	-2.187243	-0.837918
1	-2.122393	1.494739	4.490732	6	-0.321316	-1.717029	0.264830
1	-0.567967	1.564137	2.585570	6	-2.779785	-2.171407	-0.444148
1	-3.647734	-1.814700	4.399597	1	-1.139515	-1.581844	-1.740225
1	-1.501463	-1.500390	5.615426	1	-1.037199	-3.217645	-1.134174
1	-3.694899	-1.806113	1.939996	1	0.612847	-2.280021	0.174786
				1	-0.734137	-1.956114	1.257835
INT9b				1	-3.405291	-2.322243	-1.334036
45	-0.023470	0.335449	0.210735	1	-2.985823	-3.021901	0.218959
15	2.145189	-0.064846	-0.057743	14	-3.416432	-0.640070	0.460058
6	3.101433	-0.673934	1.394824	6	-2.243241	0.813284	0.399753
6	2.405342	-1.258447	2.460882	6	-1.775856	1.492896	1.569840
6	4.497461	-0.554126	1.472480	6	-1.827305	1.287259	-0.886339
6	3.094862	-1.735102	3.576785	6	-0.873503	2.554846	1.458064
1	1.322676	-1.317828	2.411224	1	-2.118952	1.168553	2.545534

6	-0.925582	2.367493	-0.989953
1	-2.235799	0.842555	-1.789010
6	-0.417939	2.960308	0.180595
1	-0.499192	3.048920	2.348900
1	-0.593069	2.710528	-1.963904
1	0.333294	3.738893	0.098858
6	-5.091112	-0.115393	-0.188333
6	-5.440378	1.243354	-0.267861
6	-6.034617	-1.069273	-0.609141
6	-6.689179	1.637145	-0.749895
1	-4.727822	2.000643	0.048674
6	-7.284634	-0.680917	-1.089205
1	-5.792743	-2.128353	-0.559151
6	-7.612671	0.674811	-1.161117
1	-6.941170	2.692671	-0.805614
1	-8.001461	-1.432412	-1.408692
1	-8.585267	0.979552	-1.537848

INT10a

45	0.369877	0.478788	0.019226
6	3.905199	3.479240	-1.723620
6	4.726610	3.341227	-3.009994
6	2.713986	2.507097	-1.686862
1	4.552445	3.299431	-0.858182
1	3.554337	4.514196	-1.619674
1	5.119181	2.321394	-3.111551
1	5.578129	4.032531	-3.025328
1	2.062970	2.696561	-2.551751
1	3.083761	1.481428	-1.805030
14	1.623562	2.522336	-0.114613
6	2.776882	2.770886	1.384291
6	4.007920	2.092482	1.465726
6	2.446444	3.621895	2.453033
6	4.859179	2.245628	2.559495
1	4.294943	1.417233	0.668864
6	3.288084	3.772919	3.558339
1	1.523095	4.191770	2.421531
6	4.498877	3.083153	3.616941
1	5.802067	1.705239	2.587652
1	3.000149	4.439000	4.368396
6	-6.917154	-0.468649	1.355118
6	-5.731943	-0.702224	0.696263
6	-4.534627	-0.974479	1.413917
6	-4.593485	-0.992363	2.843260
6	-5.826907	-0.730742	3.494141
6	-6.968058	-0.477262	2.768655
1	-7.819830	-0.266766	0.785483
1	-5.700674	-0.679473	-0.386433
6	-3.286921	-1.223381	0.755158
6	-3.412942	-1.281702	3.570239
1	-5.852073	-0.741131	4.580844
1	-7.908530	-0.285178	3.277101
6	-2.232753	-1.551378	2.922343
6	-2.149501	-1.528329	1.503245
1	-3.456193	-1.302484	4.656343
6	-4.867062	-4.535898	-2.855288
6	-4.251869	-3.517763	-3.545104
6	-3.724675	-2.390886	-2.862201
6	-3.815860	-2.321191	-1.436974
6	-4.458778	-3.392994	-0.756357
6	-4.974782	-4.465736	-1.446434
1	-3.055848	-1.358728	-4.639805
1	-5.271413	-5.392325	-3.387108
1	-4.162947	-3.555631	-4.627707
6	-3.113785	-1.320089	-3.554987
6	-3.242570	-1.204114	-0.741422
1	-4.536048	-3.361316	0.323141
1	-5.462928	-5.270172	-0.903588
6	-2.654827	-0.159988	-1.458582
6	-2.614539	-0.235549	-2.878090
1	-1.347176	-1.787123	3.500267
1	-2.181287	0.578432	-3.443040
15	-0.490341	-1.662783	0.699283
15	-1.753056	1.236227	-0.604297
6	-0.665897	-2.946128	-0.589590
6	-1.395917	-4.127683	-0.401901
6	-0.038945	-2.716320	-1.821497
6	-1.498911	-5.061565	-1.430431
1	-1.904690	-4.301912	0.541249
6	-0.145068	-3.649782	-2.851482
1	0.541518	-1.808938	-1.963199
6	-0.878141	-4.821345	-2.657815
1	-2.083953	-5.963935	-1.282810
1	0.342840	-3.460402	-3.803162
1	-0.969874	-5.545244	-3.462352
6	0.577016	-2.426960	1.983084
6	1.155925	-1.580966	2.943540
6	0.887132	-3.791166	2.004960

6	1.995848	-2.096926	3.926215
1	0.974069	-0.512738	2.895132
6	1.750407	-4.302790	2.976549
1	0.478236	-4.455505	1.252824
6	2.298664	-3.460784	3.943176
1	2.441707	-1.428329	4.656500
1	1.993892	-5.361596	2.972557
1	2.971507	-3.859732	4.697011
6	-2.972377	1.828627	0.620963
6	-4.284489	2.154495	0.250856
6	-2.606282	1.900125	1.970675
6	-5.202592	2.576056	1.210572
1	-4.595660	2.052698	-0.784233
6	-3.527817	2.310893	2.930884
1	-1.605572	1.604229	2.264537
6	-4.826169	2.655551	2.551951
1	-6.219453	2.815515	0.914930
1	-3.235527	2.346272	3.976198
1	-5.548318	2.966267	3.300968
6	-1.664869	2.515437	-1.922939
6	-0.680172	2.330726	-2.908534
6	-2.475093	3.651865	-1.985003
6	-0.540640	3.235749	-3.956812
1	-0.008767	1.478295	-2.843447
6	-2.324157	4.567232	-3.028056
1	-3.198252	3.850048	-1.204537
6	-1.370727	4.356958	-4.022231
1	0.225829	3.074289	-4.709416
1	-2.947240	5.456360	-3.050039
1	-1.257503	5.072955	-4.831168
1	5.158385	3.201798	4.472949
6	0.532170	4.081534	-0.144976
6	0.660438	5.079538	-1.123978
6	-0.454457	4.276049	0.837677
6	-0.149156	6.217200	-1.117394
1	1.393156	4.966029	-1.916848
6	-1.272192	5.405181	0.853530
1	-0.596019	3.521318	1.603631
6	-1.118159	6.386084	-0.127761
1	-0.028914	6.968765	-1.893783
1	-2.030725	5.512455	1.625087
1	-1.751642	7.269438	-0.125704
1	4.111486	3.545994	-3.895839
6	3.244102	-0.896291	0.036775
6	2.173622	-0.296949	0.160740
1	0.271475	1.148779	1.390264
6	5.990927	-1.301005	1.236536
1	6.328217	-0.260545	1.106347
6	5.522789	-0.794127	-1.828892
1	5.400381	0.271212	-1.575323
6	4.614172	-3.562588	-0.443091
1	4.635524	-3.942029	0.591197
6	4.635735	-1.069434	-3.054913
1	4.926635	-0.434724	-3.903601
1	4.721330	-2.112488	-3.383682
1	3.580466	-0.873845	-2.833751
6	7.007900	-1.018381	-2.153600
1	7.307108	-0.430226	-3.032445
1	7.655540	-0.716871	-1.323257
1	7.222791	-2.069065	-2.378447
6	7.236718	-2.200978	1.307241
1	7.879095	-1.911747	2.150397
1	6.953686	-3.249067	1.464046
1	7.845191	-2.155849	0.397906
6	5.202257	-1.383451	2.554242
1	5.846576	-1.147355	3.413263
1	4.355053	-0.693565	2.561140
1	4.802387	-2.392717	2.711785
6	5.736066	-4.267083	-1.225695
1	6.730332	-4.054754	-0.819468
1	5.597956	-5.357193	-1.211453
1	5.736810	-3.957109	-2.277371
6	3.238493	-3.921565	-1.029029
1	2.428029	-3.489486	-0.438277
1	3.128679	-3.547566	-2.054097
1	3.096886	-5.011310	-1.062846
14	4.860718	-1.671618	-0.261994

INT11a

45	-0.465885	0.619200	0.670407
6	-2.777606	4.784390	-0.718511
6	-4.211622	5.290984	-0.529253
6	-2.518229	3.475240	0.040018
1	-2.587516	4.631475	-1.789863
1	-2.069854	5.555500	-0.388234
1	-4.936461	4.548307	-0.885238
1	-4.388527	6.224706	-1.077117
1	-2.653613	3.625674	1.120375

1	-3.257646	2.721637	-0.244338	15	-0.089250	-1.166033	-0.892808
14	-0.787096	2.743007	-0.220523	15	1.801745	0.556059	1.402184
6	-0.584438	2.483187	-2.096540	6	-0.234539	-2.779880	-0.025291
6	-1.586743	1.740578	-2.748589	6	-0.007229	-4.003632	-0.668913
6	0.486732	2.942299	-2.884097	6	-0.674376	-2.778267	1.304392
6	-1.521517	1.455663	-4.111889	6	-0.187031	-5.201891	0.016015
1	-2.421184	1.357923	-2.170715	1	0.313809	-4.018691	-1.705094
6	0.553819	2.676378	-4.253061	6	-0.860401	-3.979132	1.988556
1	1.281917	3.525108	-2.432724	1	-0.887902	-1.833702	1.797467
6	-0.446752	1.923848	-4.871014	6	-0.611012	-5.191924	1.347179
1	-2.297274	0.851699	-4.573038	1	0.011878	-6.144207	-0.485351
1	1.392922	3.050692	-4.834635	1	-1.202905	-3.963502	3.019106
6	6.476960	-1.408609	-1.357048	1	-0.750957	-6.128632	1.879014
6	5.241921	-1.635211	-0.792179	6	-1.098697	-1.549983	-2.386107
6	4.052652	-1.178716	-1.422547	6	-2.484700	-1.353772	-2.318951
6	4.173350	-0.457221	-2.652154	6	-0.551104	-2.143208	-3.532947
6	5.460771	-0.222776	-3.198374	6	-3.302038	-1.729326	-3.384087
6	6.591712	-0.692822	-2.570550	1	-2.914913	-0.897969	-1.435523
1	7.371451	-1.775148	-0.861390	6	-1.370557	-2.505593	-4.602083
1	5.167749	-2.172757	0.145309	1	0.517440	-2.313816	-3.603409
6	2.750243	-1.405548	-0.863928	6	-2.748952	-2.299152	-4.531980
6	2.997296	0.022073	-3.282080	1	-4.374434	-1.571321	-3.315071
1	5.534910	0.334912	-4.128476	1	-0.929225	-2.953737	-5.488101
1	7.572166	-0.513081	-3.002245	1	-3.386798	-2.584865	-5.363825
6	1.758586	-0.251287	-2.763087	6	3.236669	1.288256	0.539360
6	1.616878	-1.006529	-1.564251	6	4.556175	1.008889	0.925920
1	3.084669	0.614583	-4.188810	6	3.006507	2.141565	-0.541171
6	3.262635	-6.192587	1.014588	6	5.622268	1.598671	0.252045
6	2.953027	-5.406984	2.100275	1	4.746717	0.310710	1.735581
6	2.759937	-4.008643	1.954491	6	4.073029	2.730524	-1.216779
6	2.881856	-3.414396	0.659398	1	1.992621	2.322693	-0.860247
6	3.204194	-4.255502	-0.441016	6	5.382285	2.462983	-0.819446
6	3.392009	-5.607272	-0.267467	1	6.641096	1.365265	0.545819
1	2.362890	-3.623393	4.043914	1	3.877449	3.386939	-2.059700
1	3.407550	-7.262116	1.136828	1	6.216747	2.912186	-1.349948
1	2.848568	-5.844963	3.089527	6	1.922498	1.200531	3.127934
6	2.441996	-3.178740	3.055168	6	0.834949	0.963648	3.985944
6	2.641154	-2.013496	0.498496	6	3.001833	1.955398	3.600926
1	3.292858	-3.816212	-1.427672	6	0.837935	1.451709	5.290901
1	3.635131	-6.232598	-1.121768	1	-0.028992	0.419818	3.614990
6	2.310575	-1.226855	1.604255	6	2.997999	2.455204	4.905158
6	2.231080	-1.832087	2.886680	1	3.833983	2.184027	2.946713
1	0.876175	0.124658	-3.264733	6	1.921243	2.202232	5.754385
1	1.991703	-1.223091	3.748983	1	-0.012743	1.259751	5.938483

1	3.838756	3.049464	5.252346
1	1.919418	2.595444	6.766963
1	-0.389525	1.702650	-5.933481
6	0.433359	4.077047	0.353344
6	0.990819	4.059611	1.641580
6	0.769087	5.163445	-0.478091
6	1.881443	5.044507	2.069655
1	0.728600	3.260262	2.322690
6	1.659003	6.153432	-0.058741
1	0.327285	5.244316	-1.466398
6	2.229714	6.089459	1.213874
1	2.303835	4.986785	3.069157
1	1.904754	6.976362	-0.725355
1	2.930198	6.854667	1.538031
1	-4.423808	5.476868	0.530862
6	-3.609332	0.071340	0.644182
6	-2.411545	0.362400	0.590295
1	-0.757065	1.740178	1.768935
6	-6.364117	0.722556	-0.418166
1	-6.514392	1.636769	0.177062
6	-5.895566	-0.246115	2.530013
1	-5.552336	0.772207	2.770835
6	-5.461822	-2.253048	0.058298
1	-5.473395	-2.153285	-1.039512
6	-5.140898	-1.210094	3.461494
1	-5.339196	-0.975112	4.516558
1	-5.450788	-2.249318	3.297428
1	-4.058491	-1.154225	3.299540
6	-7.410240	-0.294833	2.786845
1	-7.630541	-0.120437	3.849355
1	-7.945262	0.469670	2.213061
1	-7.838775	-1.268410	2.523737
6	-7.747869	0.173477	-0.806910
1	-8.312525	0.914859	-1.388899
1	-7.651983	-0.721824	-1.433436
1	-8.355948	-0.096183	0.062433
6	-5.588161	1.117762	-1.686001
1	-6.168810	1.818405	-2.301969
1	-4.631385	1.588324	-1.446447
1	-5.374224	0.240944	-2.310877
6	-6.751447	-2.986434	0.470193
1	-7.657756	-2.433727	0.204431
1	-6.809684	-3.971376	-0.013445
1	-6.775629	-3.158935	1.552468
6	-4.232925	-3.103089	0.426019
1	-3.300873	-2.646483	0.088804
1	-4.150593	-3.237302	1.510677
1	-4.301690	-4.103658	-0.023169
14	-5.349379	-0.451189	0.709548

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15	0.001063	-0.000442	-1.276325
6	-0.742764	1.472149	-0.447675
6	-1.908979	2.007514	-1.017171
6	-0.216676	2.073710	0.704237
6	-2.544662	3.105966	-0.440016
1	-2.319122	1.558064	-1.918307
6	-0.846883	3.180497	1.275590
1	0.685468	1.674316	1.155640
6	-2.012650	3.697056	0.708043
1	-3.449202	3.505741	-0.890132
1	-0.427197	3.637577	2.167787
1	-2.501761	4.558231	1.154743
6	1.647911	-0.092665	-0.446403
6	1.905475	-0.848842	0.705828
6	2.695174	0.648454	-1.016430
6	3.179140	-0.856610	1.277114
1	1.108616	-1.431215	1.156593
6	3.964219	0.649804	-0.439144
1	2.511528	1.227369	-1.918339
6	4.209692	-0.105791	0.709390
1	3.365141	-1.448662	2.169260
1	4.762949	1.232514	-0.889810
1	5.200064	-0.113035	1.156034
6	-0.903259	-1.379976	-0.447095
6	-1.693986	-1.222516	0.699890
6	-0.779795	-2.658922	-1.012716
6	-2.339343	-2.320894	1.270746
1	-1.803042	-0.240223	1.147769
6	-1.415081	-3.757664	-0.435963
1	-0.180166	-2.791132	-1.910083
6	-2.199345	-3.590144	0.707466
1	-2.950224	-2.184146	2.159104
1	-1.305663	-4.741959	-0.882973
1	-2.702468	-4.443574	1.153433

TS10a

45	-1.177654	0.363080	1.046514

17	-0.747590	2.221882	2.689856	1	6.538404	3.359857	-0.745127
6	-2.203396	-1.588803	3.300420	6	3.891179	3.147216	-1.154552
6	-2.492058	-0.251941	2.619728	6	2.853897	0.536406	-0.826323
6	-1.797287	-2.674272	2.283007	1	4.803229	-1.254964	-0.154601
1	-1.421219	-1.468801	4.049493	1	7.184869	-0.793754	0.162950
1	-3.101487	-1.901163	3.854907	6	1.995828	1.606379	-1.101312
1	-2.450430	0.580494	3.318647	6	2.547635	2.907420	-1.274695
1	-3.489486	-0.252219	2.166208	1	0.844662	-3.248732	1.154219
1	-0.735018	-2.907397	2.389162	1	1.888022	3.736077	-1.491648
1	-2.347333	-3.612420	2.425131	15	1.052888	-0.420348	1.711707
14	-2.162047	-1.950338	0.566157	15	0.136606	1.477744	-1.043200
6	-1.432290	-3.015493	-0.806777	6	2.438148	0.771301	2.066851
6	-0.922046	-2.539374	-2.020157	6	3.651197	0.236222	2.529057
6	-1.510498	-4.409677	-0.630170	6	2.333657	2.156265	1.909530
6	-0.498037	-3.413407	-3.021834	6	4.732865	1.064002	2.817780
1	-0.828501	-1.475524	-2.184896	1	3.758199	-0.834255	2.662922
6	-1.088198	-5.290360	-1.625001	6	3.415631	2.984608	2.204260
1	-1.914324	-4.815035	0.294589	1	1.407891	2.591394	1.566775
6	-0.580104	-4.791557	-2.827400	6	4.618466	2.444593	2.657104
1	-0.089681	-3.011794	-3.943319	1	5.667258	0.626569	3.156581
1	-1.159769	-6.363421	-1.465738	1	3.313083	4.057162	2.067934
6	3.957059	-2.133648	-3.963921	1	5.461923	3.092326	2.878309
6	3.573220	-1.288221	-2.948022	6	1.250941	-1.374583	3.281130
6	2.858273	-1.768211	-1.811758	6	0.754693	-0.710705	4.417086
6	2.584640	-3.169736	-1.749739	6	1.952002	-2.574735	3.451058
6	2.997816	-4.019509	-2.809229	6	0.932973	-1.254549	5.687154
6	3.665288	-3.517115	-3.900206	1	0.242499	0.240497	4.297008
1	4.496128	-1.734929	-4.818584	6	2.116448	-3.122863	4.725354
1	3.821094	-0.235871	-3.012368	1	2.393380	-3.080568	2.600865
6	2.427197	-0.901806	-0.741526	6	1.603851	-2.469186	5.845097
6	1.875249	-3.678678	-0.638537	1	0.543394	-0.727856	6.553668
1	2.758688	-5.077188	-2.741809	1	2.658037	-4.058020	4.838735
1	3.971842	-4.174171	-4.708887	1	1.736888	-2.895966	6.835173
6	1.443979	-2.840502	0.353294	6	-0.304662	0.827591	-2.712850
6	1.744704	-1.449107	0.346403	6	0.625676	0.181184	-3.530315
1	1.621768	-4.733002	-0.609666	6	-1.620398	0.985559	-3.187492
6	7.020422	1.322167	-0.281596	6	0.250279	-0.350004	-4.765089
6	6.168106	2.345161	-0.624028	1	1.650152	0.090449	-3.208896
6	4.783664	2.103527	-0.820019	6	-1.997042	0.450600	-4.417563
6	4.263565	0.782011	-0.662597	1	-2.340384	1.549780	-2.607106
6	5.175454	-0.249623	-0.303147	6	-1.067029	-0.232941	-5.205927
6	6.513479	0.012117	-0.119360	1	0.995932	-0.855482	-5.372602
1	4.280704	4.152819	-1.291058	1	-3.018271	0.577426	-4.766128
1	8.078475	1.516467	-0.131000	1	-1.365542	-0.652536	-6.162289

6	-0.424914	3.220061	-1.303410
6	-0.939382	3.954950	-0.231388
6	-0.367505	3.821041	-2.575038
6	-1.404172	5.258158	-0.425321
1	-0.984737	3.509135	0.753742
6	-0.823506	5.122565	-2.763320
1	0.032636	3.268523	-3.418270
6	-1.351096	5.843725	-1.687373
1	-1.824476	5.800923	0.415794
1	-0.774016	5.572239	-3.751261
1	-1.720114	6.854476	-1.838535
1	-0.247466	-5.473952	-3.605220
6	-4.037517	-2.267669	0.331130
6	-4.941554	-2.350928	1.402951
6	-4.553004	-2.487212	-0.960204
6	-6.297266	-2.616046	1.197115
1	-4.594011	-2.212838	2.420711
6	-5.903619	-2.754792	-1.175194
1	-3.882536	-2.469307	-1.816125
6	-6.785354	-2.813143	-0.093889
1	-6.970297	-2.669880	2.048997
1	-6.267482	-2.922044	-2.185858
1	-7.840012	-3.018431	-0.256497
6	-2.911975	1.058064	0.127669
6	-2.611161	-0.033563	-0.488562
6	-3.804081	2.186427	0.156223
6	-4.701878	2.385517	-0.913007
6	-3.790752	3.106639	1.218125
6	-5.540892	3.494305	-0.930302
1	-4.729164	1.661477	-1.722478
6	-4.645504	4.206044	1.200537
1	-3.093571	2.949861	2.033068
6	-5.514546	4.409696	0.126605
1	-6.221342	3.643581	-1.764120
1	-4.627797	4.910810	2.027344
1	-6.173568	5.273398	0.113456
1	-2.735917	-0.516401	-1.445865

TS11a

45	-0.706378	0.344776	-1.740788
17	0.803283	-0.285872	-3.712344
6	-2.280135	0.976896	-3.295036
6	-1.345494	2.006572	-2.952812
6	-3.597263	0.960510	-2.523533
1	-1.776993	-0.336618	-2.808162
1	-2.229212	0.577071	-4.309579
1	-0.557214	2.253208	-3.656722
1	-1.688231	2.822460	-2.321441
1	-4.228894	0.121316	-2.833554
1	-4.163726	1.883032	-2.688709
14	-2.905966	0.589087	-0.761597
6	-3.797730	-0.971141	-0.158357
6	-4.748409	-0.925593	0.875375
6	-3.547155	-2.220053	-0.749475
6	-5.394674	-2.081057	1.318214
1	-4.982649	0.020622	1.352482
6	-4.185133	-3.378786	-0.313176
1	-2.819440	-2.298482	-1.547934
6	-5.107516	-3.313998	0.732770
1	-6.118709	-2.017564	2.126779
1	-3.949849	-4.331561	-0.780161
1	-5.599047	-4.216422	1.086413
6	-3.417746	1.955937	0.446569
6	-3.163068	1.860393	1.828286
6	-4.065856	3.117997	-0.006833
6	-3.510236	2.883918	2.708963
1	-2.677507	0.978613	2.228576
6	-4.427339	4.143525	0.869021
1	-4.283400	3.235267	-1.063524
6	-4.140694	4.034663	2.230430
1	-3.289322	2.782615	3.768464
1	-4.927430	5.029632	0.486704
1	-4.411796	4.835022	2.913357
6	5.626348	0.054939	2.283299
6	4.265021	-0.040048	2.101091
6	3.717866	-0.676650	0.952995
6	4.627855	-1.195088	-0.020704
6	6.025045	-1.069011	0.187373
6	6.519836	-0.462329	1.318423
1	6.016396	0.541440	3.172895
1	3.598693	0.379101	2.843699
6	2.300424	-0.786768	0.725998
6	4.106484	-1.794739	-1.192538
1	6.697602	-1.462472	-0.570460
1	7.591973	-0.374018	1.469285
6	2.755436	-1.933492	-1.372002
6	1.831913	-1.470868	-0.392607
1	4.795502	-2.137738	-1.959790

6	0.889887	-1.597305	5.625507
6	0.394872	-0.354428	5.307515
6	0.554222	0.176761	4.001117
6	1.259294	-0.581808	3.014902
6	1.760056	-1.861509	3.378281
6	1.572511	-2.358909	4.646570
1	-0.492587	2.031863	4.383063
1	0.754402	-2.000864	6.624859
1	-0.138842	0.236511	6.047668
6	0.019404	1.434310	3.632753
6	1.405711	-0.065134	1.687693
1	2.271860	-2.453311	2.628740
1	1.945837	-3.347008	4.899038
6	0.797908	1.146906	1.341851
6	0.126207	1.896529	2.343171
1	2.378585	-2.364847	-2.288786
1	-0.296763	2.859395	2.095518
15	0.026768	-1.657022	-0.752906
15	0.760479	1.679580	-0.437828
6	-0.691819	-2.295932	0.828829
6	-0.615484	-3.638151	1.225974
6	-1.358435	-1.396613	1.665038
6	-1.179614	-4.055852	2.430686
1	-0.140133	-4.373840	0.592137
6	-1.927491	-1.809200	2.864791
1	-1.413910	-0.358396	1.370543
6	-1.836332	-3.143304	3.255769
1	-1.110319	-5.101142	2.718917
1	-2.440610	-1.087245	3.492268
1	-2.278188	-3.470229	4.192520
6	-0.012378	-3.142147	-1.844216
6	-0.861297	-3.163889	-2.955853
6	0.778671	-4.274349	-1.585051
6	-0.960951	-4.300543	-3.758028
1	-1.419536	-2.272607	-3.213473
6	0.687351	-5.408523	-2.390088
1	1.492272	-4.262416	-0.768152
6	-0.192346	-5.428673	-3.473916
1	-1.625357	-4.293048	-4.617164
1	1.309396	-6.272466	-2.173648
1	-0.263581	-6.311808	-4.102512
6	2.567894	1.791950	-0.780396
6	3.382784	2.411211	0.183003
6	3.130324	1.374888	-1.988643
6	4.741412	2.587997	-0.052231
1	2.953006	2.742692	1.123309
6	4.496765	1.557155	-2.220226
1	2.506982	0.897853	-2.735016
6	5.304660	2.155416	-1.256355
1	5.364603	3.046761	0.709523
1	4.924804	1.215897	-3.158652
1	6.368409	2.284378	-1.435374
6	0.352190	3.484264	-0.495688
6	-0.835501	4.000539	0.040833
6	1.180902	4.351716	-1.228091
6	-1.165097	5.347733	-0.106611
1	-1.524717	3.352894	0.557597
6	0.840825	5.694781	-1.390486
1	2.093027	3.982372	-1.678803
6	-0.327069	6.202546	-0.821692
1	-2.088117	5.713833	0.331026
1	1.497611	6.343852	-1.962934
1	-0.585737	7.250753	-0.942839

TS12a

6	3.864876	-3.740348	2.566186
6	3.399447	-2.895558	1.584804
6	2.973743	-1.573656	1.892933
6	3.038488	-1.147829	3.257112
6	3.510067	-2.046449	4.249133
6	3.918458	-3.316700	3.914649
1	4.186222	-4.744500	2.304438
1	3.349923	-3.236838	0.558040
6	2.475896	-0.675496	0.891510
6	2.631735	0.169035	3.579319
1	3.545792	-1.706512	5.281090
1	4.282814	-3.994792	4.681036
6	2.175540	1.023559	2.606350
6	2.083377	0.616421	1.248689
1	2.694377	0.501132	4.612698
6	6.158486	-1.503165	-2.616710
6	4.975389	-1.758941	-3.269345
6	3.732986	-1.656200	-2.591470
6	3.707068	-1.264383	-1.216317
6	4.949910	-0.994917	-0.578191
6	6.140875	-1.121257	-1.255441
1	2.524519	-2.239086	-4.287314
1	7.104798	-1.590736	-3.142719

1	4.970927	-2.050094	-4.316518	1	0.232709	-3.516009	4.766206
6	2.509126	-1.940287	-3.242400	6	-1.521717	-2.313693	-1.398975
6	2.448010	-1.142323	-0.533492	6	-1.972447	-1.841850	-2.644879
1	4.953521	-0.680840	0.457644	6	-2.008611	-3.535619	-0.923688
1	7.075587	-0.913051	-0.742610	6	-2.852677	-2.599485	-3.413483
6	1.264548	-1.459142	-1.204220	1	-1.655541	-0.865375	-2.999017
6	1.317933	-1.857032	-2.567826	6	-2.904587	-4.283971	-1.689088
17	-1.227448	2.498248	-2.916323	1	-1.736969	-3.888622	0.062048
1	1.883057	2.030423	2.878017	6	-3.319759	-3.827344	-2.937933
1	0.400769	-2.102512	-3.086672	1	-3.186635	-2.219556	-4.374753
15	1.269844	1.731692	0.006794	1	-3.293690	-5.216170	-1.290876
15	-0.404849	-1.214540	-0.429709	1	-4.020510	-4.410472	-3.528576
6	2.537930	1.827758	-1.310003	45	-0.970119	0.907851	-0.386135
6	3.892700	2.002722	-0.987279	1	-0.965482	0.992306	-1.957085
6	2.162350	1.684039	-2.650470	14	-3.278636	0.452953	-0.426861
6	4.856328	2.035599	-1.991595	6	-4.045302	-1.087059	0.348331
1	4.194003	2.085413	0.052983	6	-3.635041	-1.584438	1.597793
6	3.133168	1.706711	-3.652274	6	-4.992155	-1.844536	-0.362614
1	1.116954	1.567928	-2.906949	6	-4.127737	-2.783110	2.111302
6	4.478205	1.878882	-3.326909	1	-2.897396	-1.043636	2.175241
1	5.903700	2.154522	-1.730973	6	-5.497139	-3.041536	0.145279
1	2.832331	1.583749	-4.688633	1	-5.336888	-1.503822	-1.331094
1	5.232901	1.885012	-4.108113	6	-5.063283	-3.519272	1.382355
6	1.300579	3.382439	0.814356	1	-3.773727	-3.142200	3.074266
6	0.322650	3.644528	1.788118	1	-6.224984	-3.606088	-0.431775
6	2.215644	4.391466	0.484981	1	-5.450173	-4.456208	1.774655
6	0.299602	4.866351	2.458040	6	-3.294035	1.951306	0.733562
1	-0.431449	2.895426	2.015308	6	-2.958993	3.217240	0.194489
6	2.173079	5.623505	1.138867	6	-3.487142	1.869599	2.130671
1	2.956127	4.220668	-0.287263	6	-2.866139	4.348838	1.009257
6	1.226355	5.859393	2.136111	1	-2.783176	3.321292	-0.872423
1	-0.458557	5.046049	3.213032	6	-3.396724	2.999236	2.941347
1	2.884481	6.398586	0.867745	1	-3.756158	0.917864	2.578402
1	1.200352	6.816643	2.649197	6	-3.093307	4.244716	2.380338
6	-0.219250	-1.994501	1.217351	1	-2.607514	5.307266	0.568675
6	0.228722	-3.312688	1.371852	1	-3.580692	2.914951	4.009595
6	-0.477197	-1.224458	2.358182	1	-3.034576	5.126726	3.012514
6	0.373416	-3.862246	2.644898	6	-4.247269	0.882719	-2.014235
1	0.489946	-3.902541	0.498832	1	-3.649676	1.640078	-2.534379
6	-0.316964	-1.767254	3.630149	1	-4.284388	0.004675	-2.669357
1	-0.782898	-0.188864	2.237479	6	-5.621683	1.394466	-1.713123
6	0.099829	-3.092035	3.775471	1	-5.659539	2.319503	-1.136413
1	0.729867	-4.881784	2.753744	6	-6.772829	0.815414	-2.066522
1	-0.503666	-1.152692	4.505810	1	-6.795973	-0.105070	-2.647083

1	-7.734595	1.242708	-1.796543	6	2.506121	0.738956	3.745737
				6	2.649893	0.018702	1.020036
TS13a				1	4.508567	-1.923568	0.560023
45	-1.060642	0.298427	-0.370771	1	5.961930	-2.992569	2.223123
15	0.181902	-1.589078	-0.248262	6	1.789051	1.037384	1.436442
15	0.578204	1.767899	0.244975	6	1.731672	1.384181	2.813449
6	-4.957596	0.273836	1.046858	1	1.257438	-2.093808	-2.950009
6	-5.657164	1.327003	0.432893	1	1.068755	2.180577	3.131122
6	-6.771033	1.909222	1.040359	6	1.645156	2.439819	-1.084574
6	-7.220994	1.439277	2.275233	6	2.799343	3.194142	-0.834133
6	-6.552655	0.383456	2.898764	6	1.305166	2.121496	-2.406443
6	-5.433835	-0.186510	2.290462	6	3.602720	3.621008	-1.889813
1	-7.289766	2.727803	0.548326	1	3.082951	3.420940	0.189863
1	-8.090262	1.889088	2.747511	6	2.112931	2.544957	-3.460744
1	-6.903840	0.004797	3.855245	1	0.417016	1.527493	-2.595182
1	-4.929017	-1.012067	2.789130	6	3.263691	3.291681	-3.203873
14	-3.496833	-0.556822	0.164142	1	4.508065	4.185333	-1.686524
8	-2.494770	-0.576632	1.905376	1	1.850739	2.277994	-4.480614
1	-2.851964	0.149995	2.453563	1	3.902848	3.607481	-4.023391
1	-1.610881	-0.170897	1.335722	6	-0.094314	3.258473	1.087307
6	6.074137	1.229375	-1.218344	6	0.191869	4.570577	0.686814
6	4.962370	0.825857	-0.515520	6	-1.068906	3.063099	2.083302
6	3.935330	0.059818	-1.135360	6	-0.464141	5.653380	1.277706
6	4.091198	-0.270023	-2.518534	1	0.920848	4.749446	-0.095113
6	5.241459	0.173764	-3.221637	6	-1.710486	4.142255	2.684919
6	6.218064	0.905326	-2.587527	1	-1.327425	2.048873	2.373549
1	6.843839	1.811446	-0.719247	6	-1.410450	5.446299	2.280602
1	4.858750	1.097055	0.527530	1	-0.231310	6.662904	0.949783
6	2.764778	-0.373858	-0.424737	1	-2.455562	3.967082	3.456279
6	3.090298	-1.047496	-3.146346	1	-1.918539	6.290479	2.737780
1	5.335744	-0.082975	-4.273834	6	-0.480472	-2.974594	-1.275489
1	7.097638	1.235291	-3.133082	6	-0.601263	-4.297800	-0.829541
6	1.991156	-1.478814	-2.445899	6	-1.033374	-2.635853	-2.524132
6	1.798579	-1.146456	-1.077967	6	-1.237112	-5.259209	-1.619855
1	3.209075	-1.313648	-4.193893	1	-0.213795	-4.581023	0.141981
6	5.153537	-1.885486	3.903294	6	-1.645070	-3.599436	-3.321137
6	4.248973	-0.928822	4.302291	1	-1.016079	-1.601382	-2.851388
6	3.413452	-0.277207	3.358544	6	-1.749776	-4.919311	-2.870987
6	3.497422	-0.634601	1.975109	1	-1.330359	-6.277234	-1.251525
6	4.437428	-1.634852	1.601323	1	-2.060472	-3.314497	-4.283978
6	5.249083	-2.234893	2.536321	1	-2.240203	-5.669797	-3.484428
1	2.448192	1.020004	4.794640	6	0.808263	-2.456384	1.250919
1	5.795028	-2.371555	4.632941	6	0.350481	-2.097266	2.523104
1	4.164929	-0.647960	5.349273	6	1.796200	-3.447246	1.140871

6	0.876325	-2.706375	3.662922
1	-0.406282	-1.331437	2.623393
6	2.310234	-4.065509	2.277570
1	2.177685	-3.718170	0.160628
6	1.856607	-3.690268	3.543824
1	0.526903	-2.400554	4.645055
1	3.085291	-4.819792	2.178190
1	2.276323	-4.154288	4.431461
1	-5.321825	1.690323	-0.533763
6	-3.097086	0.438363	-1.321970
6	-2.562305	1.771269	-1.103510
6	-3.127080	-0.051860	-2.677835
6	-2.183231	2.568423	-2.237149
1	-2.803041	2.306566	-0.184577
6	-2.733835	0.735718	-3.729005
1	-3.527696	-1.043776	-2.861152
6	-2.249668	2.065069	-3.508255
1	-1.823274	3.579043	-2.058972
1	-2.824883	0.364317	-4.747171
1	-1.948199	2.673561	-4.356839
6	-3.880558	-2.391328	-0.069149
1	-3.979631	-2.810359	0.942620
1	-3.041967	-2.899028	-0.551434
6	-5.150675	-2.579052	-0.846481
1	-6.051207	-2.162049	-0.394222
6	-5.240529	-3.179150	-2.036771
1	-6.188351	-3.260778	-2.561912
1	-4.367886	-3.612794	-2.519016

TS14a

45	0.874693	0.935489	0.193039
15	0.273587	-1.224715	0.593914
15	-1.158378	1.816635	-0.379635
6	4.164065	-0.989539	-0.462779
6	3.821292	-2.176642	-1.132641
6	4.495464	-3.370925	-0.876772
6	5.535583	-3.402269	0.053907
6	5.903237	-2.230762	0.718189
6	5.226055	-1.038974	0.458940
1	4.201806	-4.277292	-1.399934
1	6.059696	-4.332486	0.257340
1	6.715712	-2.244953	1.439798
1	5.526687	-0.137694	0.985259
14	3.249071	0.613279	-0.756845
8	2.019448	0.031197	-2.219562
1	2.051130	0.675992	-2.951133
1	1.154731	0.350904	-1.482282
6	-6.266361	-0.493214	0.621644
6	-4.998257	-0.572559	0.093057
6	-3.876072	-0.872411	0.914889
6	-4.107555	-1.111158	2.305984
6	-5.424558	-1.008654	2.824629
6	-6.485180	-0.704621	2.003410
1	-7.106827	-0.261741	-0.026782
1	-4.843257	-0.397731	-0.964645
6	-2.538520	-0.918135	0.398527
6	-3.009353	-1.463755	3.124729
1	-5.577856	-1.182306	3.886804
1	-7.490068	-0.632245	2.409757
6	-1.742347	-1.551136	2.603252
6	-1.475902	-1.249159	1.240554
1	-3.183803	-1.679588	4.176076
6	-3.309091	-3.706723	-3.864950
6	-2.926599	-2.464465	-4.314583
6	-2.615937	-1.424229	-3.400470
6	-2.707549	-1.672588	-1.993319
6	-3.113328	-2.966670	-1.564321
6	-3.399493	-3.956412	-2.474709
1	-2.171269	0.062449	-4.907607
1	-3.539988	-4.498157	-4.572374
1	-2.852833	-2.258703	-5.379717
6	-2.216380	-0.138001	-3.839631
6	-2.367001	-0.636130	-1.065786
1	-3.168223	-3.173600	-0.502762
1	-3.688087	-4.942776	-2.123586
6	-1.950949	0.611034	-1.535683
6	-1.896266	0.846679	-2.936889
1	-0.927608	-1.852875	3.247842
1	-1.596329	1.824407	-3.296584
6	-2.415717	2.137166	0.913416
6	-3.777472	2.324497	0.639754
6	-1.975501	2.146951	2.244308
6	-4.685019	2.516080	1.679692
1	-4.129931	2.287323	-0.386716
6	-2.885284	2.334470	3.284639
1	-0.919839	1.992660	2.452354
6	-4.240506	2.516063	3.003285
1	-5.741620	2.633383	1.459558

1	-2.537624	2.326834	4.313926
1	-4.952067	2.647367	3.813532
6	-1.080577	3.393070	-1.329999
6	-1.961549	4.467236	-1.146983
6	-0.008309	3.553820	-2.225687
6	-1.783522	5.659866	-1.851892
1	-2.782576	4.379512	-0.444672
6	0.160132	4.735938	-2.942281
1	0.703472	2.741490	-2.340105
6	-0.729565	5.797208	-2.755059
1	-2.473934	6.483781	-1.692653
1	0.993561	4.836565	-3.632413
1	-0.594374	6.726203	-3.301544
6	1.303955	-1.777768	2.011598
6	2.239186	-2.817186	1.887793
6	1.312061	-1.007023	3.188451
6	3.137256	-3.091347	2.917786
1	2.285878	-3.399880	0.977008
6	2.185660	-1.307268	4.231427
1	0.649047	-0.152945	3.278208
6	3.105627	-2.348737	4.099715
1	3.866368	-3.885550	2.788421
1	2.165388	-0.705600	5.135851
1	3.799318	-2.571196	4.905766
6	0.187425	-2.736771	-0.465124
6	-0.152118	-3.974629	0.103924
6	0.368191	-2.655882	-1.849335
6	-0.272495	-5.111629	-0.691523
1	-0.317401	-4.046791	1.174857
6	0.236328	-3.793117	-2.648490
1	0.610411	-1.703866	-2.303058
6	-0.076632	-5.022656	-2.072155
1	-0.528500	-6.064662	-0.236389
1	0.363561	-3.710640	-3.723867
1	-0.182017	-5.906463	-2.695222
1	3.007928	-2.169761	-1.848066
6	2.934968	1.600544	0.774883
6	2.107339	2.776281	0.582185
6	3.223273	1.219389	2.132635
6	1.710514	3.560095	1.717007
1	2.089856	3.274256	-0.385945
6	2.828076	1.994806	3.192602
1	3.773427	0.303189	2.316317
6	2.056458	3.180788	2.987038
1	1.121034	4.458081	1.546269
1	3.103799	1.704464	4.203131
1	1.751927	3.778471	3.842442
6	4.151531	1.769129	-1.970708
1	4.382160	1.219048	-2.895400
1	3.486229	2.598576	-2.259352
6	5.444376	2.351206	-1.378085
1	6.111343	1.528228	-1.086317
1	5.202114	2.891269	-0.454684
6	6.181465	3.283748	-2.343700
1	7.097888	3.685544	-1.895472
1	6.461210	2.757467	-3.264790
1	5.547172	4.133217	-2.626865

TS15a

45	-0.867001	1.178095	-0.526680
17	-1.009522	2.585929	-2.641638
6	-2.686012	3.969394	-0.725307
6	-1.285233	3.412899	-0.646029
6	-3.747614	2.885409	-0.978806
1	-2.865984	4.453614	0.248229
1	-2.728013	4.760488	-1.482160
1	-1.169860	2.817568	0.323664
1	-4.708221	3.168121	-0.532419
1	-3.908366	2.799927	-2.058694
14	-3.220026	1.114987	-0.432383
6	-3.704818	0.900958	1.400588
6	-4.418887	-0.187899	1.929263
6	-3.206051	1.839247	2.327164
6	-4.593787	-0.355784	3.305264
1	-4.851663	-0.923110	1.258122
6	-3.382609	1.688079	3.701468
1	-2.649400	2.701936	1.968720
6	-4.068860	0.576930	4.198700
1	-5.140493	-1.218247	3.678016
1	-2.982053	2.432650	4.385734
6	5.880790	-1.669024	-1.604895
6	4.768717	-1.504147	-0.809158
6	3.465042	-1.460373	-1.372296
6	3.340884	-1.557844	-2.793613
6	4.504592	-1.713300	-3.587329
6	5.751772	-1.775975	-3.007822
1	6.866638	-1.708792	-1.150253
1	4.882597	-1.410493	0.263743

6	2.283210	-1.306659	-0.568257
6	2.050765	-1.449892	-3.374428
1	4.391319	-1.779373	-4.666441
1	6.636778	-1.899947	-3.625357
6	0.935025	-1.329415	-2.588309
6	1.027919	-1.322555	-1.163957
1	1.959728	-1.450985	-4.457547
6	3.509384	-3.943270	3.725560
6	3.327938	-2.640969	4.130371
6	2.992951	-1.628775	3.194179
6	2.838557	-1.975219	1.815196
6	3.041756	-3.327908	1.428418
6	3.367905	-4.286923	2.359451
1	2.945108	-0.008415	4.623743
1	3.762069	-4.711089	4.451204
1	3.433508	-2.366598	5.176844
6	2.799207	-0.281485	3.581634
6	2.439207	-0.974164	0.880218
1	2.922160	-3.596502	0.384782
1	3.512914	-5.317042	2.046642
6	2.206776	0.335348	1.303616
6	2.423431	0.670960	2.665413
1	-0.038238	-1.209803	-3.052203
1	2.282553	1.693051	2.993073
15	-0.565953	-1.044207	-0.265873
15	1.472904	1.565250	0.118451
6	-0.416799	-1.673742	1.459382
6	-0.160778	-3.024965	1.734405
6	-0.692487	-0.800747	2.515255
6	-0.143429	-3.482173	3.048576
1	0.025935	-3.715838	0.918383
6	-0.690875	-1.261641	3.832130
1	-0.927077	0.234137	2.290167
6	-0.408118	-2.600373	4.100554
1	0.082013	-4.524277	3.254078
1	-0.922767	-0.574109	4.640028
1	-0.401196	-2.961756	5.125239
6	-1.642351	-2.414284	-0.896674
6	-2.887079	-2.542971	-0.261745
6	-1.302352	-3.342222	-1.887686
6	-3.788723	-3.530784	-0.638856
1	-3.142878	-1.865564	0.542367
6	-2.208386	-4.336452	-2.268434
1	-0.330567	-3.312924	-2.363493
6	-3.457266	-4.425834	-1.658111
1	-4.755738	-3.590776	-0.148948
1	-1.927362	-5.044212	-3.043783
1	-4.163768	-5.191700	-1.965187
6	2.821907	1.752091	-1.109195
6	4.170903	1.770626	-0.724131
6	2.491225	1.834925	-2.466468
6	5.173605	1.862760	-1.685223
1	4.431743	1.686898	0.326912
6	3.499369	1.929689	-3.427193
1	1.449557	1.812658	-2.763268
6	4.838539	1.937271	-3.040172
1	6.216361	1.856629	-1.381328
1	3.234559	1.980640	-4.479562
1	5.622707	1.992993	-3.789825
6	1.515976	3.146360	1.060629
6	0.624365	3.313254	2.137539
6	2.292158	4.239542	0.656874
6	0.530353	4.533488	2.802283
1	-0.003097	2.483760	2.450290
6	2.184356	5.468252	1.314635
1	2.977634	4.134878	-0.176667
6	1.307997	5.619056	2.388316
1	-0.157623	4.640146	3.636571
1	2.789879	6.307326	0.983461
1	1.226927	6.574519	2.898586
1	-4.198614	0.445405	5.269545
6	-4.233861	-0.039926	-1.528881
6	-5.576471	-0.363023	-1.271691
6	-3.642109	-0.579826	-2.684230
6	-6.289017	-1.221809	-2.111665
1	-6.075678	0.056316	-0.401592
6	-4.346913	-1.433452	-3.530248
1	-2.605460	-0.338525	-2.904228
6	-5.671694	-1.766043	-3.238579
1	-7.324746	-1.465053	-1.887102
1	-3.860658	-1.852785	-4.407008
1	-6.220769	-2.442411	-3.888579
1	-0.463394	4.117964	-0.725525

TS16a

45	-0.675895	0.336701	-1.798567
6	-2.278783	0.880759	-3.384120
6	-1.451465	1.979138	-2.999089

6	-3.605343	0.701613	-2.653537	1	4.934447	-1.901098	-2.170836
1	-1.610102	-0.426855	-2.931349	6	1.110430	-1.610308	5.486795
1	-2.182601	0.523166	-4.411283	6	0.514176	-0.412260	5.168810
1	-0.704079	2.346183	-3.695560	6	0.632655	0.133780	3.864853
1	-1.874394	2.732006	-2.340439	6	1.400440	-0.561118	2.878483
1	-4.113103	-0.210128	-2.987479	6	1.999152	-1.798370	3.239452
1	-4.275558	1.545232	-2.859226	6	1.853864	-2.311089	4.507784
14	-2.979054	0.416540	-0.836882	1	-0.586331	1.881204	4.245325
6	-3.819842	-1.179940	-0.229787	1	1.006759	-2.025261	6.485311
6	-4.760285	-1.199220	0.813700	1	-0.069915	0.130171	5.908052
6	-3.465799	-2.417558	-0.794124	6	-0.009410	1.341764	3.498077
6	-5.297772	-2.397315	1.289136	6	1.512972	-0.023773	1.555330
1	-5.071106	-0.266305	1.274058	1	2.558272	-2.346337	2.490205
6	-3.997035	-3.618697	-0.329996	1	2.307068	-3.265745	4.758650
1	-2.735505	-2.448623	-1.595117	6	0.831999	1.150396	1.219782
6	-4.911692	-3.613291	0.725204	6	0.077335	1.826516	2.216330
1	-6.016639	-2.380085	2.105068	1	2.528012	-2.257534	-2.445410
1	-3.683839	-4.557702	-0.779744	1	-0.435475	2.745103	1.964649
1	-5.319024	-4.547589	1.102860	15	0.164808	-1.608923	-0.885593
6	-3.670305	1.771059	0.306066	15	0.718909	1.705200	-0.549468
6	-3.393634	1.747266	1.688740	6	-0.503367	-2.289545	0.703959
6	-4.399707	2.870724	-0.177262	6	-0.290506	-3.607887	1.130024
6	-3.808074	2.770687	2.539237	6	-1.260134	-1.442994	1.517709
1	-2.830527	0.919774	2.109061	6	-0.821035	-4.057554	2.338229
6	-4.824805	3.899427	0.667758	1	0.269164	-4.303004	0.519391
1	-4.637138	2.933218	-1.235436	6	-1.793503	-1.888566	2.722373
6	-4.525055	3.856728	2.029878	1	-1.419886	-0.422867	1.195902
1	-3.572517	2.722384	3.599753	6	-1.574663	-3.199756	3.139261
1	-5.389290	4.735079	0.260897	1	-0.648031	-5.084189	2.649343
1	-4.848699	4.658001	2.688672	1	-2.382575	-1.209789	3.331087
6	5.736297	0.340776	2.051929	1	-1.990794	-3.552177	4.078588
6	4.379116	0.157650	1.906617	6	0.165500	-3.096678	-1.986102
6	3.843840	-0.507704	0.769847	6	-0.714492	-3.154376	-3.072382
6	4.758939	-0.967621	-0.227902	6	1.007359	-4.199499	-1.756630
6	6.150348	-0.756216	-0.055647	6	-0.787288	-4.288999	-3.882113
6	6.635219	-0.118075	1.062686	1	-1.335909	-2.294021	-3.292178
1	6.118414	0.848852	2.932877	6	0.943574	-5.330935	-2.567645
1	3.705600	0.528427	2.668505	1	1.741693	-4.164491	-0.959375
6	2.429568	-0.690215	0.574935	6	0.037674	-5.383747	-3.628957
6	4.244259	-1.592457	-1.389908	1	-1.483593	-4.309323	-4.715689
1	6.826874	-1.107326	-0.830652	1	1.606710	-6.169101	-2.372676
1	7.703136	0.038152	1.185660	1	-0.013670	-6.266379	-4.260132
6	2.897965	-1.794773	-1.539329	6	2.495370	1.865132	-1.016576
6	1.970339	-1.382625	-0.541918	6	3.391839	2.460678	-0.113907

6	2.953844	1.492981	-2.281740	6	4.879730	-1.670676	-3.686841
6	4.719956	2.671508	-0.469741	6	4.312476	-0.859782	-2.730103
1	3.046440	2.750791	0.873761	6	3.627809	-1.406886	-1.606454
6	4.287606	1.704472	-2.638973	6	3.582082	-2.830402	-1.487531
1	2.260905	1.020892	-2.970971	6	4.176810	-3.641844	-2.488525
6	5.172487	2.290869	-1.735907	6	4.809070	-3.079520	-3.571870
1	5.406226	3.112794	0.246396	1	5.391116	-1.223865	-4.534782
1	4.633779	1.399398	-3.622768	1	4.388751	0.216173	-2.831257
1	6.211895	2.446471	-2.010833	6	2.999242	-0.585064	-0.604212
6	0.240378	3.491694	-0.501570	6	2.913608	-3.401956	-0.380289
6	-1.053403	3.848060	-0.093737	1	4.106857	-4.720887	-2.383377
6	1.094853	4.504259	-0.964903	1	5.256273	-3.708966	-4.335742
6	-1.469479	5.178242	-0.101212	6	2.306637	-2.607110	0.553508
1	-1.748627	3.082260	0.214965	6	2.365521	-1.185769	0.482089
6	0.672011	5.834770	-0.987631	1	2.832648	-4.481368	-0.310435
1	2.090247	4.264102	-1.314391	6	6.986753	2.568594	0.058612
6	-0.605370	6.179202	-0.547349	6	5.959919	3.381169	-0.361121
1	-2.474581	5.416507	0.230647	6	4.680080	2.843058	-0.652542
1	1.349700	6.601948	-1.352295	6	4.450411	1.440216	-0.513418
1	-0.928701	7.216439	-0.562230	6	5.538271	0.629523	-0.083861
1	0.528467	0.148213	-2.885551	6	6.768839	1.177898	0.196762
				1	3.776376	4.729718	-1.197887
TS17a				1	7.962212	2.989300	0.285308
45	-0.782162	0.097526	0.911212	1	6.108106	4.452507	-0.469113
6	-1.524764	-1.813654	3.354220	6	3.605801	3.664863	-1.061550
6	-1.844707	-0.464221	2.680919	6	3.136187	0.899543	-0.739944
6	-0.961666	-2.876154	2.389235	1	5.386337	-0.434700	0.042463
1	-0.826466	-1.675875	4.180935	1	7.578962	0.537033	0.532863
1	-2.448937	-2.188740	3.817352	6	2.081144	1.753039	-1.072141
1	-1.760184	0.351558	3.402412	6	2.356060	3.139153	-1.256532
1	-2.883204	-0.473178	2.338492	1	1.747742	-3.076578	1.350203
1	0.127565	-2.899880	2.477044	1	1.556950	3.806627	-1.542959
1	-1.319602	-3.883055	2.639190	15	1.380422	-0.235484	1.718648
14	-1.425713	-2.414743	0.603483	15	0.287586	1.217652	-1.108448
6	-0.479518	-3.449345	-0.661297	6	2.406758	1.268974	2.094806
6	-0.023089	-2.948990	-1.887004	6	3.731160	1.096000	2.527457
6	-0.287035	-4.818131	-0.398015	6	1.875101	2.559059	2.061981
6	0.607524	-3.775260	-2.818947	6	4.508787	2.189803	2.892655
1	-0.142547	-1.897980	-2.109746	1	4.158436	0.100201	2.574957
6	0.348124	-5.649833	-1.319691	6	2.653270	3.658477	2.429814
1	-0.644625	-5.242071	0.537726	1	0.849601	2.697047	1.746253
6	0.796827	-5.127661	-2.536426	6	3.972091	3.478277	2.842443
1	0.964098	-3.353995	-3.753329	1	5.538185	2.037382	3.202158
1	0.487484	-6.704444	-1.094233	1	2.224035	4.655749	2.386569

1	4.579868	4.333524	3.124021	1	-5.306638	-4.338615	-1.992041
6	1.740681	-1.012384	3.361447	1	-6.744741	-4.744982	0.000076
6	1.112259	-0.394901	4.455549	6	-2.720874	0.514642	0.070627
6	2.694847	-2.006073	3.609668	6	-2.385884	-0.619511	-0.446738
6	1.406087	-0.783410	5.759757	14	-4.132348	1.733742	0.040928
1	0.396482	0.401877	4.277415	6	-5.744011	0.718873	0.270435
6	2.980579	-2.403316	4.918206	1	-5.821867	0.147077	-0.665299
1	3.237153	-2.464435	2.791828	6	-4.144247	2.430210	-1.756238
6	2.335286	-1.799087	5.995815	1	-3.091906	2.636264	-1.975784
1	0.906225	-0.294729	6.591270	6	-3.873054	3.015543	1.441306
1	3.719675	-3.180957	5.090397	1	-2.796450	3.215668	1.427515
1	2.562200	-2.107386	7.012365	6	-5.718005	-0.316850	1.404042
6	0.099703	0.435117	-2.763459	1	-4.849444	-0.972161	1.326000
6	1.190180	0.012740	-3.527535	1	-5.699581	0.155204	2.391328
6	-1.196964	0.223960	-3.263522	1	-6.610642	-0.955733	1.361566
6	0.997166	-0.654547	-4.738192	6	-6.995407	1.609430	0.373727
1	2.194297	0.202783	-3.183490	1	-7.089204	2.300754	-0.471016
6	-1.390632	-0.433891	-4.475185	1	-7.907609	0.997549	0.401050
1	-2.048969	0.583222	-2.705516	1	-6.983261	2.209485	1.291305
6	-0.293398	-0.890302	-5.211275	6	-4.614163	1.334999	-2.735969
1	1.863235	-0.988522	-5.302888	1	-5.701992	1.207531	-2.691033
1	-2.400923	-0.588278	-4.843773	1	-4.360143	1.606914	-3.769740
1	-0.445625	-1.414100	-6.150644	1	-4.167961	0.355917	-2.529445
6	-0.534851	2.839873	-1.446139	6	-4.921961	3.724749	-2.043820
6	-0.958976	3.624319	-0.368568	1	-4.494622	4.584559	-1.525784
6	-0.672879	3.351835	-2.746230	1	-4.894557	3.948908	-3.119658
6	-1.507756	4.889704	-0.576849	1	-5.977007	3.648478	-1.756851
1	-0.873637	3.222624	0.633278	6	-4.187052	2.420297	2.826672
6	-1.234237	4.610975	-2.957252	1	-3.862193	3.111171	3.617268
1	-0.339298	2.767736	-3.595980	1	-5.263139	2.262609	2.958998
6	-1.651583	5.385445	-1.872863	1	-3.682256	1.466219	2.990844
1	-1.835806	5.478672	0.274195	6	-4.607039	4.357363	1.281643
1	-1.343239	4.987369	-3.970451	1	-4.243001	4.927908	0.424496
1	-2.089969	6.365414	-2.038266	1	-5.687344	4.223673	1.153983
1	1.292355	-5.772539	-3.257809	1	-4.462164	4.978910	2.176647
6	-3.185552	-3.156189	0.426132	1	-2.673288	-1.225062	-1.297235
6	-4.008764	-3.417005	1.532889	1	-0.731691	1.499517	1.667501
6	-3.685803	-3.512610	-0.840792				
6	-5.276926	-3.984536	1.386365	**TS18a**			
1	-3.666263	-3.170044	2.531795	45	0.898902	0.599707	-0.520540
6	-4.951465	-4.074269	-0.999070	15	-0.278455	-1.435807	-0.385648
1	-3.062381	-3.372678	-1.721759	15	-0.939600	1.824389	0.068026
6	-5.756963	-4.307467	0.118246	6	4.719805	-1.314685	0.732264
1	-5.890742	-4.166868	2.264859	6	5.074678	-1.489546	2.080753

6	5.867368	-2.565139	2.484836	6	-1.398209	1.894820	1.845248
6	6.325566	-3.487700	1.540760	6	-2.610265	2.431821	2.302492
6	5.989892	-3.326908	0.195102	6	-0.505441	1.342472	2.773777
6	5.194597	-2.250902	-0.199810	6	-2.911905	2.438946	3.662476
1	6.127281	-2.685705	3.533560	1	-3.335217	2.811158	1.588801
1	6.941417	-4.327184	1.852858	6	-0.812767	1.340039	4.134333
1	6.340233	-4.043670	-0.542966	1	0.412198	0.878759	2.423759
1	4.924301	-2.150326	-1.247859	6	-2.014020	1.891886	4.580868
14	3.663872	0.147112	0.199786	1	-3.862157	2.839369	4.001807
8	2.725186	0.434965	1.597511	1	-0.119942	0.892456	4.841144
1	2.427947	1.358033	1.633440	1	-2.259692	1.880772	5.638783
1	1.634437	2.004914	-0.736220	6	-0.872887	3.591608	-0.467569
6	-5.575734	0.207876	3.147778	6	-1.380069	4.659377	0.282445
6	-4.774756	0.117323	2.032439	6	-0.254093	3.867023	-1.699169
6	-3.561316	-0.624930	2.056116	6	-1.284536	5.969602	-0.193118
6	-3.199534	-1.281196	3.274245	1	-1.832615	4.481056	1.249950
6	-4.038265	-1.157221	4.412260	6	-0.177265	5.171702	-2.181602
6	-5.204094	-0.429560	4.354622	1	0.186745	3.048113	-2.258765
1	-6.498111	0.780184	3.103324	6	-0.692557	6.229422	-1.428092
1	-5.064159	0.622159	1.119025	1	-1.673063	6.786734	0.408605
6	-2.693753	-0.713029	0.916770	1	0.301400	5.364044	-3.137899
6	-2.010554	-2.047850	3.306547	1	-0.620920	7.249000	-1.796533
1	-3.740794	-1.655568	5.331436	6	0.789945	-2.901755	-0.074196
1	-5.841134	-0.344579	5.230396	6	0.780969	-4.053637	-0.872186
6	-1.209622	-2.151643	2.197090	6	1.732512	-2.806073	0.964726
6	-1.527085	-1.476413	0.987859	6	1.672247	-5.097926	-0.615830
1	-1.741880	-2.564636	4.224521	1	0.086438	-4.136759	-1.699641
6	-6.286654	-1.599265	-2.673999	6	2.606503	-3.857548	1.230502
6	-5.640463	-0.456276	-3.084233	1	1.798929	-1.893848	1.550486
6	-4.588184	0.102336	-2.313546	6	2.578171	-5.007482	0.440465
6	-4.182867	-0.539740	-1.101504	1	1.656372	-5.981744	-1.248000
6	-4.870166	-1.722364	-0.711039	1	3.339280	-3.756555	2.023503
6	-5.897024	-2.233338	-1.471543	1	3.276271	-5.816640	0.634855
1	-4.236395	1.784760	-3.625865	6	-1.268530	-1.908062	-1.854297
1	-7.094157	-2.016057	-3.269200	6	-2.142719	-3.004589	-1.829680
1	-5.928215	0.042637	-4.006230	6	-1.174323	-1.134934	-3.017900
6	-3.925062	1.288643	-2.709922	6	-2.903877	-3.324597	-2.951282
6	-3.100190	0.007976	-0.333714	1	-2.243327	-3.592555	-0.921996
1	-4.571512	-2.227474	0.199115	6	-1.943756	-1.451415	-4.137305
1	-6.406739	-3.137229	-1.149973	1	-0.518136	-0.271263	-3.019702
6	-2.476816	1.184091	-0.752703	6	-2.809100	-2.545223	-4.106179
6	-2.911361	1.815315	-1.950214	1	-3.591089	-4.164452	-2.915621
1	-0.316218	-2.760664	2.245774	1	-1.876863	-0.833328	-5.028174
1	-2.427759	2.729710	-2.271309	1	-3.417850	-2.784497	-4.973276

1	4.710752	-0.781515	2.820090
6	4.799013	1.633790	-0.038517
6	4.312110	2.938976	-0.242154
6	6.193932	1.456572	-0.012288
6	5.179519	4.018167	-0.410445
1	3.239765	3.108718	-0.288015
6	7.066684	2.532257	-0.186289
1	6.605419	0.464176	0.148698
6	6.561099	3.817196	-0.384703
1	4.776213	5.015706	-0.565645
1	8.140773	2.366414	-0.164157
1	7.238359	4.656775	-0.518480
6	2.732214	-0.268862	-1.385548
1	2.592992	-1.350789	-1.477603
1	1.337764	0.306094	-1.993806
6	3.476971	0.253468	-2.631944
1	4.509126	-0.130766	-2.630227
1	3.563873	1.343688	-2.577060
6	2.817274	-0.143394	-3.955357
1	3.415662	0.180545	-4.815473
1	2.688619	-1.231194	-4.020824
1	1.822397	0.311211	-4.045269

TS1a

45	0.998058	0.016424	-1.334253
17	2.696708	1.566982	-2.029387
6	2.608689	-3.063618	-2.312752
6	2.426416	-1.534166	-2.342177
6	3.657041	-3.211617	-1.187581
1	1.679297	-3.552736	-2.017034
1	2.899965	-3.479438	-3.287267
1	1.555031	-1.171685	-2.927860
1	3.281487	-1.032619	-2.807187
1	3.581570	-4.138715	-0.612596
1	4.679593	-3.142868	-1.576276
14	3.135750	-1.532012	-0.424641
6	2.491063	-1.803343	1.332429
6	1.921631	-0.770704	2.093272
6	2.856372	-2.980933	2.007389
6	1.765977	-0.876365	3.472512
1	1.607957	0.131520	1.594627
6	2.681567	-3.106829	3.388436
1	3.308655	-3.801729	1.460016
6	2.151907	-2.047934	4.126596
1	1.330071	-0.051637	4.026737
1	2.977148	-4.026179	3.888117
6	-2.546386	0.428902	5.046602
6	-2.484668	0.518733	3.674606
6	-1.879643	-0.506581	2.894425
6	-1.368816	-1.654589	3.577913
6	-1.454209	-1.722955	4.992686
6	-2.022696	-0.701808	5.717529
1	-3.006722	1.229432	5.618576
1	-2.909599	1.380758	3.174212
6	-1.789744	-0.434745	1.461717
6	-0.749957	-2.683011	2.826811
1	-1.046044	-2.597590	5.492185
1	-2.075114	-0.760645	6.800788
6	-0.610953	-2.568003	1.469642
6	-1.168815	-1.466200	0.762521
1	-0.323462	-3.533617	3.347608
6	-6.765990	0.469412	0.688169
6	-6.123021	1.549370	0.131041
6	-4.708251	1.648995	0.163331
6	-3.934941	0.625441	0.792285
6	-4.636290	-0.473431	1.365061
6	-6.009276	-0.551655	1.308930
1	-4.608495	3.526162	-0.903857
1	-7.849086	0.395786	0.651941
1	-6.686374	2.340944	-0.356125
6	-4.030170	2.729473	-0.443172
6	-2.495894	0.687851	0.763541
1	-4.078157	-1.272849	1.834554
1	-6.516282	-1.408213	1.743933
6	-1.860106	1.730036	0.083089
6	-2.661785	2.760841	-0.488501
1	-0.047882	-3.318309	0.931141
1	-2.182735	3.585991	-0.993664
15	-0.807084	-1.303299	-1.026759
15	-0.030862	1.785813	-0.313422
6	-2.374268	-0.743459	-1.833740
6	-3.579216	-1.413298	-1.580086
6	-2.346975	0.271388	-2.793006
6	-4.743451	-1.046790	-2.248306
1	-3.609377	-2.213536	-0.847712
6	-3.512376	0.634274	-3.470417
1	-1.411707	0.781847	-2.994592
6	-4.712910	-0.019409	-3.194952

1	-5.676477	-1.553582	-2.021300	6	6.882270	1.290437	0.019982
1	-3.479457	1.433487	-4.205570	1	7.363360	0.669365	-1.989358
1	-5.622468	0.267995	-3.714754	1	6.147778	1.698484	2.005477
6	-0.883930	-3.002992	-1.755793	1	7.749859	1.937940	0.116337
6	-0.538087	-3.099975	-3.113698				
6	-1.422842	-4.130448	-1.122876	**TS1b**			
6	-0.681004	-4.298876	-3.805660	45	0.187463	-0.879768	-0.194754
1	-0.156853	-2.227296	-3.634435	15	-1.186902	0.919264	-0.390603
6	-1.560157	-5.335874	-1.815455	6	-2.488447	0.739823	-1.666266
1	-1.755546	-4.076368	-0.093724	6	-2.656572	-0.487625	-2.315376
6	-1.182739	-5.427665	-3.153922	6	-3.339418	1.810876	-1.979268
1	-0.398191	-4.351600	-4.853001	6	-3.679074	-0.652155	-3.250584
1	-1.972667	-6.201063	-1.303863	1	-1.974442	-1.298571	-2.094248
1	-1.289319	-6.366527	-3.689523	6	-4.358541	1.644317	-2.914229
6	0.763691	2.303425	1.262582	1	-3.201088	2.772135	-1.493469
6	0.036824	2.455558	2.446781	6	-4.531945	0.410364	-3.548252
6	2.149161	2.540683	1.267789	1	-3.802337	-1.609396	-3.748652
6	0.682910	2.811993	3.632506	1	-5.014533	2.476916	-3.152292
1	-1.032200	2.296054	2.448199	1	-5.326439	0.282997	-4.278305
6	2.786312	2.909539	2.449376	6	-0.462102	2.564804	-0.796712
1	2.721087	2.408913	0.354872	6	-0.855703	3.728514	-0.121048
6	2.059128	3.037618	3.636650	6	0.462062	2.665191	-1.847214
1	0.105182	2.906088	4.547836	6	-0.320400	4.967392	-0.477274
1	3.858918	3.078843	2.441127	1	-1.572882	3.674640	0.689031
1	2.564422	3.310039	4.559132	6	0.994027	3.904604	-2.198516
6	0.081184	3.341741	-1.293570	1	0.770441	1.770146	-2.375294
6	0.047391	3.282658	-2.692312	6	0.608949	5.059420	-1.513236
6	0.141425	4.591019	-0.663672	1	-0.631917	5.859350	0.059283
6	0.049196	4.452723	-3.448076	1	1.715017	3.964957	-3.008871
1	0.062453	2.317128	-3.183904	1	1.028025	6.023668	-1.787254
6	0.153561	5.762813	-1.421679	6	-2.110732	1.251953	1.157946
1	0.173101	4.649979	0.419087	6	-3.486759	1.040077	1.276199
6	0.101686	5.696250	-2.814457	6	-1.375341	1.655738	2.284944
1	0.033266	4.392736	-4.532580	6	-4.124064	1.238460	2.505283
1	0.205489	6.726170	-0.922067	1	-4.062021	0.713150	0.417490
1	0.113459	6.608534	-3.404367	6	-2.013537	1.858187	3.504251
1	2.027336	-2.139152	5.202593	1	-0.304355	1.809479	2.205167
6	4.619897	-0.383601	-0.236472	6	-3.392174	1.646983	3.618698
6	5.549534	-0.246967	-1.282039	1	-5.194163	1.069121	2.586944
6	4.867347	0.327231	0.948774	1	-1.433735	2.175907	4.366422
6	6.665995	0.577041	-1.160907	1	-3.889752	1.801258	4.572072
1	5.396786	-0.779476	-2.217087	17	0.968862	-0.651901	-2.429775
6	5.981332	1.158913	1.076027	6	-1.175251	-1.811507	1.121800
1	4.183355	0.236864	1.784954	6	-2.397155	-2.498311	0.797231

6	-2.495943	-3.322478	-0.337161				
6	-3.530051	-2.317534	1.613324	**TS1**			
6	-3.698635	-3.950106	-0.648431	6	3.486090	-4.134029	2.547092
1	-1.625444	-3.452493	-0.972159	6	3.238336	-3.189507	1.577334
6	-4.730791	-2.945278	1.293335	6	2.947854	-1.840916	1.923860
1	-3.456188	-1.668478	2.478678	6	2.929197	-1.489798	3.309924
6	-4.820501	-3.760427	0.162144	6	3.174515	-2.488942	4.287216
1	-3.762522	-4.584265	-1.527980	6	3.447950	-3.785408	3.917660
1	-5.601159	-2.793777	1.925693	1	3.706873	-5.157687	2.258324
1	-5.760424	-4.244388	-0.087116	1	3.257876	-3.472087	0.531809
6	-0.328775	-1.206076	1.830739	6	2.645744	-0.844668	0.938170
1	0.091735	-0.894727	2.767295	6	2.668335	-0.145662	3.668821
6	1.896217	-3.585169	1.249670	1	3.145876	-2.206018	5.336220
6	1.631215	-2.812907	-0.065278	1	3.637633	-4.541935	4.673569
6	2.877922	-2.657921	2.027559	6	2.429457	0.806403	2.710149
1	0.960680	-3.702752	1.802350	6	2.401228	0.471009	1.328414
1	2.298965	-4.586798	1.061143	1	2.668290	0.127752	4.720790
1	0.618636	-2.962945	-0.471180	6	6.288513	-1.913515	-2.550874
1	2.292234	-3.093250	-0.889559	6	5.095705	-2.023388	-3.227035
1	2.549294	-2.441627	3.048735	6	3.859547	-1.830790	-2.557675
1	3.896603	-3.054092	2.085021	6	3.855210	-1.500926	-1.166464
14	2.693203	-1.289793	0.719100	6	5.106606	-1.398538	-0.498035
6	2.432332	0.437746	1.447670	6	6.289623	-1.603701	-1.170564
6	2.463750	1.576851	0.623383	1	2.619337	-2.224907	-4.284463
6	2.281302	0.631514	2.831596	1	7.229373	-2.065697	-3.071759
6	2.313686	2.856740	1.154226	1	5.079418	-2.263651	-4.286867
1	2.595587	1.455604	-0.447053	6	2.621015	-1.959374	-3.230483
6	2.145613	1.912082	3.371868	6	2.608992	-1.254723	-0.500403
1	2.281694	-0.225994	3.499886	1	5.121993	-1.149137	0.555829
6	2.150558	3.027800	2.531187	1	7.233052	-1.520959	-0.638536
1	2.309386	3.716273	0.491538	6	1.408070	-1.395018	-1.194829
1	2.038236	2.038930	4.446334	6	1.436001	-1.763286	-2.568152
1	2.033031	4.024989	2.946588	17	-0.837222	3.706533	-0.678984
6	4.226556	-1.099441	-0.358484	1	2.250488	1.830578	3.011742
6	4.323377	-1.487250	-1.703511	1	0.504760	-1.887935	-3.104852
6	5.364199	-0.533262	0.246978	15	1.802418	1.751895	0.130327
6	5.512344	-1.321030	-2.416483	15	-0.218997	-0.896270	-0.459327
1	3.454289	-1.889979	-2.211907	6	2.954975	1.720038	-1.281070
6	6.557321	-0.375072	-0.456666	6	4.343365	1.620587	-1.114489
1	5.315823	-0.203882	1.283074	6	2.415679	1.797126	-2.571916
6	6.632679	-0.769489	-1.794366	6	5.182155	1.599553	-2.226039
1	5.560228	-1.618599	-3.460668	1	4.763752	1.528301	-0.118026
1	7.423895	0.060414	0.034039	6	3.258700	1.767741	-3.682583
1	7.558634	-0.642286	-2.349087	1	1.338709	1.874902	-2.690545

6	4.640111	1.667542	-3.511003	6	-6.046720	1.383379	1.464330
1	6.254389	1.500884	-2.089991	1	-5.674618	0.905260	2.384224
1	2.834605	1.819752	-4.681125	6	-7.689522	-0.047605	-1.717432
1	5.295176	1.636474	-4.376880	1	-8.224426	0.276268	-2.620884
6	2.111618	3.329948	1.007678	1	-7.542140	-1.131178	-1.802864
6	1.139254	3.774043	1.918064	1	-8.348052	0.131725	-0.861825
6	3.268235	4.093677	0.816767	6	-5.481646	0.400693	-2.840425
6	1.340911	4.941030	2.650555	1	-6.025081	0.666849	-3.758049
1	0.214606	3.218229	2.032428	1	-4.543492	0.962709	-2.818556
6	3.460432	5.271458	1.541168	1	-5.223035	-0.662857	-2.907326
1	4.013565	3.784757	0.093475	6	-6.749293	-2.055325	1.042699
6	2.503078	5.692744	2.463373	1	-6.708022	-3.137773	1.228783
1	0.578398	5.275778	3.347530	1	-6.981088	-1.575600	2.001352
1	4.358859	5.860186	1.378776	1	-7.589183	-1.868140	0.367436
1	2.653753	6.610703	3.024436	6	-4.278310	-1.875878	1.476670
6	-0.301541	-1.703468	1.176066	1	-4.243412	-2.952940	1.694510
6	0.087714	-3.035769	1.373955	1	-3.302614	-1.573391	1.093797
6	-0.791887	-0.960475	2.257702	1	-4.428833	-1.357970	2.433248
6	-0.014582	-3.616886	2.635187	6	-7.582943	1.433352	1.543861
1	0.491526	-3.609102	0.545261	1	-8.036810	0.439434	1.614211
6	-0.883221	-1.541713	3.522092	1	-7.908175	2.009094	2.421238
1	-1.108251	0.065443	2.095427	1	-8.004777	1.929163	0.661155
6	-0.495157	-2.868478	3.711775	6	-5.473957	2.810832	1.409786
1	0.306215	-4.643029	2.783429	1	-5.794368	3.329483	0.496899
1	-1.259543	-0.957360	4.356581	1	-5.827799	3.406430	2.262915
1	-0.562492	-3.319704	4.697456	1	-4.380311	2.812203	1.412958
6	-1.460716	-1.792344	-1.484385	1	-1.499851	1.274577	-1.656181
6	-1.812164	-1.262511	-2.736578	14	-5.387541	0.310659	0.024215
6	-2.097676	-2.957849	-1.044710				
6	-2.755243	-1.897649	-3.539298	**TS2a**			
1	-1.357173	-0.337568	-3.077110	45	1.014530	0.651427	-1.076292
6	-3.058980	-3.583378	-1.841615	17	3.016588	-0.468232	-1.912090
1	-1.871300	-3.369532	-0.069666	6	2.650212	3.148092	-0.195870
6	-3.385598	-3.061191	-3.091827	6	2.100442	2.443153	-1.439683
1	-3.016522	-1.469387	-4.502234	6	3.154110	2.140372	0.864324
1	-3.554890	-4.478021	-1.476162	1	1.878573	3.783295	0.253431
1	-4.135209	-3.547419	-3.709427	1	3.471147	3.828554	-0.472439
45	-0.521240	1.359869	-0.435122	1	1.499150	3.129670	-2.040376
6	-3.641463	0.761354	-0.256934	1	2.942634	2.144668	-2.080210
6	-2.447115	1.036865	-0.368641	1	2.393660	2.028559	1.640129
6	-5.408012	-1.548021	0.485468	1	4.071021	2.485036	1.362161
1	-5.195714	-2.085674	-0.451308	14	3.479645	0.407007	0.151528
6	-6.339859	0.680969	-1.595424	6	3.133780	-1.004723	1.341569
1	-6.540163	1.763284	-1.563700	6	3.102138	-2.347968	0.927296

6	3.001322	-0.738547	2.716160	6	-4.366908	1.525146	-2.014427
6	2.938050	-3.384318	1.847275	6	-2.938645	0.107447	-0.046171
1	3.191391	-2.587958	-0.125979	1	-4.207641	-2.174360	0.719511
6	2.828224	-1.770477	3.639736	1	-6.313264	-3.059530	-0.183953
1	3.039007	0.286461	3.075234	6	-2.407953	1.285280	-0.577330
6	2.795407	-3.097851	3.207098	6	-3.166656	1.997491	-1.545291
1	2.902020	-4.410963	1.495241	1	0.580096	-2.433192	1.699603
1	2.726000	-1.538959	4.696885	1	-2.798121	2.939190	-1.925713
1	2.662151	-3.903133	3.924508	15	-0.243721	-1.359518	-0.855277
6	5.341762	0.396457	-0.193571	15	-0.671132	1.855764	-0.151689
6	5.977691	1.562670	-0.653291	6	-1.566720	-1.524698	-2.130684
6	6.129111	-0.752983	-0.015952	6	-2.467162	-2.598300	-2.137626
6	7.344326	1.580290	-0.933006	6	-1.620347	-0.581157	-3.163271
1	5.398777	2.471150	-0.800170	6	-3.426776	-2.706070	-3.140441
6	7.497831	-0.740220	-0.286513	1	-2.422638	-3.345333	-1.351513
1	5.669525	-1.668902	0.345385	6	-2.578810	-0.691700	-4.171221
6	8.108694	0.426798	-0.748655	1	-0.911208	0.243205	-3.157896
1	7.812876	2.493135	-1.291879	6	-3.487504	-1.750007	-4.157139
1	8.088227	-1.640465	-0.135562	1	-4.136062	-3.528106	-3.122421
1	9.174418	0.438095	-0.961553	1	-2.618765	0.052794	-4.961528
6	-4.461990	0.157961	3.963190	1	-4.240550	-1.832590	-4.935731
6	-3.968828	0.121862	2.677930	6	0.436802	-3.072655	-1.017961
6	-2.776449	-0.587146	2.368569	6	1.314164	-3.308179	-2.087949
6	-2.087633	-1.243313	3.436682	6	0.055474	-4.157863	-0.216524
6	-2.615265	-1.181507	4.751012	6	1.839702	-4.579136	-2.314507
6	-3.781893	-0.499750	5.013163	1	1.589897	-2.492080	-2.743996
1	-5.377601	0.703616	4.173191	6	0.581905	-5.430519	-0.442844
1	-4.493110	0.641310	1.885327	1	-0.651232	-4.017602	0.592620
6	-2.240021	-0.649269	1.037025	6	1.486212	-5.643903	-1.483439
6	-0.866492	-1.904670	3.154495	1	2.526900	-4.735361	-3.141253
1	-2.074427	-1.682271	5.550196	1	0.278328	-6.256279	0.195176
1	-4.178599	-0.460737	6.023716	1	1.900482	-6.633476	-1.654827
6	-0.372968	-1.955689	1.877499	6	-0.782374	1.928405	1.680595
6	-1.079818	-1.373188	0.786800	6	-1.824685	2.611598	2.325827
1	-0.305830	-2.356328	3.968345	6	0.156426	1.237484	2.450220
6	-6.611726	-1.421099	-1.573341	6	-1.896915	2.631823	3.716532
6	-6.112114	-0.232460	-2.052101	1	-2.590110	3.109412	1.738134
6	-4.901399	0.304259	-1.542848	6	0.082267	1.254316	3.841979
6	-4.190659	-0.401252	-0.523590	1	0.906856	0.644335	1.946155
6	-4.739179	-1.624025	-0.047353	6	-0.939190	1.957746	4.478617
6	-5.916613	-2.119976	-0.558122	1	-2.714127	3.152752	4.206417
1	-4.917995	2.087850	-2.763815	1	0.806049	0.689408	4.422010
1	-7.537762	-1.826045	-1.971430	1	-1.007797	1.961177	5.562409
1	-6.634779	0.314878	-2.832351	6	-0.722834	3.631576	-0.662433

6	-0.709869	3.919302	-2.038857
6	-0.682602	4.701277	0.239330
6	-0.712351	5.233858	-2.497978
1	-0.681829	3.101650	-2.753732
6	-0.666895	6.020834	-0.220013
1	-0.652149	4.512769	1.305391
6	-0.692324	6.292334	-1.586450
1	-0.709913	5.430924	-3.566257
1	-0.631997	6.835580	0.497863
1	-0.682684	7.318880	-1.941522

TS2b

45	-0.361653	-0.456514	-1.108208
15	-0.394608	1.430862	0.499687
6	-2.022580	2.252568	0.704400
6	-3.168704	1.654311	0.172069
6	-2.144320	3.443857	1.435341
6	-4.424623	2.226521	0.378983
1	-3.073765	0.751833	-0.413645
6	-3.397960	4.017758	1.636010
1	-1.258630	3.922077	1.842291
6	-4.541190	3.407922	1.110758
1	-5.305615	1.748673	-0.039996
1	-3.484021	4.942062	2.200564
1	-5.517433	3.858039	1.268350
6	0.719929	2.866262	0.241709
6	1.491163	3.445096	1.258157
6	0.758941	3.412934	-1.051187
6	2.298581	4.551187	0.983539
1	1.462916	3.036793	2.262665
6	1.552502	4.527578	-1.314038
1	0.175749	2.954209	-1.844256
6	2.328225	5.096543	-0.300790
1	2.896354	4.990423	1.777538
1	1.575271	4.942608	-2.317637
1	2.952529	5.960638	-0.510896
6	-0.039090	0.830806	2.197361
6	-1.080768	0.568773	3.098860
6	1.263095	0.434185	2.540184
6	-0.822122	-0.071684	4.312166
1	-2.095618	0.858938	2.849605
6	1.521795	-0.203057	3.751776
1	2.084069	0.604904	1.854162
6	0.477088	-0.460646	4.641664
1	-1.640942	-0.267292	4.999135
1	2.534025	-0.518540	3.981780
1	0.674676	-0.965654	5.582917
17	-1.252318	0.976650	-2.796007
6	-1.535415	-1.711555	-0.077902
6	-2.919257	-2.080761	-0.194347
6	-3.484442	-2.984788	0.727134
6	-3.723220	-1.543478	-1.216870
6	-4.829960	-3.323443	0.638373
1	-2.857082	-3.406963	1.506545
6	-5.068168	-1.894111	-1.302180
1	-3.277517	-0.858156	-1.931261
6	-5.624967	-2.778827	-0.375846
1	-5.261144	-4.015876	1.355638
1	-5.681827	-1.476720	-2.095030
1	-6.674765	-3.049198	-0.445069
6	-0.397306	-1.851402	0.531362
1	-0.050139	-1.945876	1.549513
6	-0.143264	-3.391891	-2.238513
6	-0.513047	-1.958942	-2.621305
6	1.249733	-3.462506	-1.585006
1	-0.884629	-3.789834	-1.537363
1	-0.187273	-4.040896	-3.126296
1	-1.538864	-1.899569	-2.991955
1	0.139417	-1.568754	-3.407942
1	1.355662	-4.329964	-0.924399
1	2.037600	-3.559313	-2.343775
14	1.548518	-1.852203	-0.640894
6	2.595069	-2.178923	0.904300
6	3.809588	-1.513410	1.144861
6	2.218888	-3.183440	1.816101
6	4.592434	-1.808014	2.263397
1	4.155900	-0.758151	0.447730
6	2.996055	-3.487131	2.932351
1	1.302837	-3.744513	1.649669
6	4.184612	-2.791707	3.164990
1	5.524417	-1.272802	2.425164
1	2.676760	-4.266424	3.619152
1	4.793045	-3.023769	4.034943
6	2.470939	-0.572761	-1.697970
6	2.755098	-0.819439	-3.055839
6	2.854074	0.678255	-1.177299
6	3.396065	0.130900	-3.846989
1	2.466734	-1.763531	-3.506277

6	3.497511	1.634497	-1.962084
1	2.642302	0.921759	-0.143204
6	3.767965	1.362847	-3.302427
1	3.601480	-0.086704	-4.891578
1	3.765542	2.592074	-1.527549
1	4.261984	2.106154	-3.922056

TS2

6	3.377963	-4.539076	1.901121
6	3.161598	-3.439083	1.103506
6	2.856378	-2.170688	1.670049
6	2.785087	-2.066429	3.095467
6	2.992887	-3.224111	3.889975
6	3.285181	-4.436214	3.309163
1	3.613823	-5.496897	1.446131
1	3.220829	-3.532777	0.025831
6	2.600025	-1.013037	0.866741
6	2.517708	-0.803104	3.677306
1	2.923376	-3.130311	4.970591
1	3.448277	-5.314252	3.927326
6	2.330508	0.308800	2.893579
6	2.360179	0.218042	1.476502
1	2.475028	-0.722076	4.760431
6	6.304618	-1.525424	-2.693324
6	5.129352	-1.435408	-3.402061
6	3.882699	-1.324044	-2.733376
6	3.850852	-1.290347	-1.303542
6	5.085930	-1.379157	-0.603300
6	6.278234	-1.500675	-1.279215
1	2.684622	-1.264815	-4.532384
1	7.253117	-1.614224	-3.215035
1	5.134780	-1.450942	-4.488770
6	2.662548	-1.239930	-3.446035
6	2.595823	-1.140916	-0.625929
1	5.080594	-1.346164	0.479173
1	7.208409	-1.569831	-0.722497
6	1.411852	-1.081519	-1.363755
6	1.465717	-1.134114	-2.783502
17	-0.621414	3.825980	-1.437214
1	2.143444	1.269297	3.359527
1	0.544855	-1.080417	-3.350874
15	1.810851	1.671309	0.472622
15	-0.231992	-0.739414	-0.582906
6	3.101100	1.891743	-0.797367
6	4.464921	1.769276	-0.494758
6	2.707360	2.168938	-2.112428
6	5.421965	1.922620	-1.494666
1	4.773538	1.521482	0.516660
6	3.668416	2.315827	-3.112330
1	1.653430	2.267587	-2.345765
6	5.023897	2.190199	-2.806204
1	6.474778	1.806705	-1.256667
1	3.355261	2.521738	-4.131671
1	5.770624	2.294231	-3.588041
6	1.966396	3.112973	1.595250
6	0.870845	3.385242	2.432608
6	3.070686	3.972967	1.617670
6	0.889602	4.482150	3.291650
1	-0.003374	2.736486	2.404828
6	3.085511	5.073885	2.475033
1	3.910799	3.795515	0.955906
6	2.000192	5.328345	3.314631
1	0.033782	4.682324	3.929506
1	3.945546	5.737555	2.481124
1	2.014260	6.189268	3.976803
6	-0.380764	-1.944092	0.781540
6	0.036295	-3.275165	0.644458
6	-0.918897	-1.512940	2.001559
6	-0.092354	-4.164495	1.708789
1	0.493348	-3.607340	-0.282434
6	-1.034887	-2.402493	3.068312
1	-1.251597	-0.484816	2.099974
6	-0.622458	-3.727933	2.923776
1	0.249295	-5.188734	1.598727
1	-1.447689	-2.058314	4.012099
1	-0.707427	-4.419047	3.757300
6	-1.437203	-1.269433	-1.864252
6	-1.897053	-0.313333	-2.781763
6	-1.900969	-2.586599	-1.958755
6	-2.785676	-0.676767	-3.791038
1	-1.581817	0.719230	-2.681304
6	-2.808809	-2.942798	-2.957066
1	-1.585733	-3.331268	-1.238437
6	-3.247843	-1.992062	-3.878545
1	-3.136149	0.074748	-4.491698
1	-3.177205	-3.963424	-3.006691
1	-3.955921	-2.270401	-4.653906
45	-0.462139	1.358848	0.053096

6	-3.605535	0.745130	0.177929
6	-2.411651	1.044619	0.091468
6	-5.354469	-1.645305	-0.250643
1	-5.063187	-1.712944	-1.309903
6	-6.255040	1.281551	-1.160527
1	-6.468792	2.237813	-0.657099
6	-6.096852	0.537813	1.897526
1	-5.752132	-0.302075	2.521085
6	-7.591725	0.695693	-1.647851
1	-8.098707	1.397459	-2.324568
1	-7.428925	-0.231145	-2.211373
1	-8.281913	0.469556	-0.829064
6	-5.348672	1.582486	-2.366523
1	-5.861619	2.234788	-3.087346
1	-4.416371	2.065976	-2.061926
1	-5.081403	0.657599	-2.892312
6	-6.713961	-2.343658	-0.075363
1	-6.652945	-3.395801	-0.387709
1	-7.022105	-2.341517	0.977389
1	-7.513135	-1.872940	-0.654888
6	-4.285405	-2.384894	0.572080
1	-4.232459	-3.444986	0.285825
1	-3.295922	-1.946097	0.437562
1	-4.517623	-2.350615	1.644948
6	-7.635279	0.546442	1.922702
1	-8.069443	-0.373001	1.516758
1	-8.008725	0.664336	2.949454
1	-8.031855	1.385778	1.338670
6	-5.552682	1.836609	2.516956
1	-5.845140	2.710452	1.920087
1	-5.950535	1.986843	3.530609
1	-4.459768	1.831249	2.568422
1	-0.481615	2.299726	-1.339631
14	-5.352287	0.226755	0.160532

TS3a

45	-0.499773	0.142869	-1.437009
17	-2.852123	1.238609	1.098710
6	-2.413549	0.112307	-2.616868
6	-1.897561	-1.191708	-2.367655
6	-3.716233	0.625463	-2.012738
1	-2.265111	0.481900	-3.632009
1	-1.462178	1.306771	-2.064447
1	-2.370336	-1.832592	-1.629840
1	-1.420168	-1.721154	-3.187066
1	-4.553871	0.209881	-2.597485
1	-3.789136	1.713883	-2.144311
14	-4.188951	0.308722	-0.216125
6	-4.298401	-1.500070	0.238870
6	-3.985469	-1.961234	1.526570
6	-4.749730	-2.435409	-0.709968
6	-4.100264	-3.312122	1.853891
1	-3.634180	-1.257281	2.275039
6	-4.872998	-3.786125	-0.385429
1	-4.990842	-2.112142	-1.719444
6	-4.542588	-4.226982	0.897730
1	-3.833299	-3.651977	2.850371
1	-5.215619	-4.494474	-1.134556
1	-4.627132	-5.280435	1.149743
6	-5.843271	1.147603	0.052577
6	-5.949875	2.549627	0.011339
6	-7.013458	0.397115	0.251082
6	-7.184252	3.179589	0.158257
1	-5.055935	3.155441	-0.120646
6	-8.252250	1.024701	0.397132
1	-6.955204	-0.687103	0.296839
6	-8.338910	2.416189	0.349817
1	-7.247617	4.264009	0.127798
1	-9.147132	0.428012	0.552318
1	-9.301801	2.906344	0.465785
6	3.937155	-1.792487	4.143355
6	3.702411	-1.243762	2.902637
6	2.616102	-0.352055	2.686726
6	1.765247	-0.048315	3.795446
6	2.024159	-0.639907	5.058107
6	3.089837	-1.492491	5.234512
1	4.776342	-2.468246	4.283117
1	4.351082	-1.493264	2.071996
6	2.340466	0.228271	1.402499
6	0.672750	0.831137	3.595036
1	1.361232	-0.402817	5.886526
1	3.281141	-1.936735	6.207276
6	0.446052	1.402642	2.369863
6	1.287431	1.127247	1.254584
1	0.010553	1.047094	4.429753
6	7.144012	1.350193	-0.114125
6	6.667646	0.460697	-1.048944
6	5.360206	-0.080031	-0.939375

6	4.525035	0.314843	0.152010
6	5.050954	1.232951	1.102295
6	6.325566	1.735032	0.974117
1	5.491267	-1.328452	-2.699273
1	8.146467	1.758265	-0.207472
1	7.285863	0.156343	-1.889786
6	4.852195	-1.005882	-1.880903
6	3.188726	-0.192301	0.242227
1	4.426261	1.543094	1.931500
1	6.705178	2.438086	1.710269
6	2.708265	-1.079407	-0.722763
6	3.572942	-1.492553	-1.771449
1	-0.398221	2.067680	2.241437
1	3.215240	-2.202350	-2.506272
15	0.740137	1.737856	-0.405228
15	0.903764	-1.542086	-0.781010
6	2.279004	2.269490	-1.275818
6	3.209166	3.166208	-0.734772
6	2.505476	1.743966	-2.554614
6	4.353261	3.513750	-1.449213
1	3.055110	3.580372	0.255254
6	3.651514	2.090625	-3.269760
1	1.775599	1.048182	-2.961342
6	4.579900	2.972792	-2.716296
1	5.078808	4.190936	-1.008379
1	3.823047	1.663569	-4.254143
1	5.479112	3.235991	-3.266212
6	-0.010347	3.379458	0.005215
6	-1.103946	3.831958	-0.740874
6	0.508334	4.217263	1.005641
6	-1.663046	5.088228	-0.504785
1	-1.520179	3.182172	-1.503410
6	-0.053146	5.469517	1.250040
1	1.338449	3.881302	1.618209
6	-1.140640	5.910534	0.493252
1	-2.512235	5.419748	-1.096593
1	0.357659	6.099650	2.034222
1	-1.579580	6.885701	0.685261
6	0.628500	-2.280351	0.874986
6	1.534450	-3.178272	1.458732
6	-0.508374	-1.888744	1.590711
6	1.302503	-3.680500	2.736547
1	2.435997	-3.459196	0.921796
6	-0.732217	-2.384015	2.875388
1	-1.189002	-1.173471	1.141671
6	0.170329	-3.278482	3.449710
1	2.019066	-4.359187	3.189268
1	-1.603126	-2.054706	3.434038
1	0.003443	-3.651871	4.456098
6	0.886150	-2.990905	-1.924506
6	0.962793	-2.726596	-3.303343
6	0.724684	-4.315647	-1.504339
6	0.919166	-3.762315	-4.233208
1	1.040279	-1.695214	-3.638069
6	0.661490	-5.353576	-2.438494
1	0.637314	-4.542758	-0.448347
6	0.767051	-5.083251	-3.801628
1	0.987547	-3.538459	-5.294327
1	0.529488	-6.375842	-2.094330
1	0.720638	-5.892206	-4.525360

TS3b

45	0.411419	0.809169	-1.219309
15	1.966502	-0.019378	0.300911
6	3.217269	1.204296	0.845122
6	3.131508	2.520625	0.375934
6	4.230547	0.856047	1.749843
6	4.044580	3.481100	0.815355
1	2.363253	2.773546	-0.346430
6	5.140297	1.816589	2.185852
1	4.310432	-0.165860	2.107829
6	5.046692	3.131482	1.720298
1	3.976880	4.498737	0.441446
1	5.924286	1.540456	2.885434
1	5.759100	3.878523	2.059177
6	2.946298	-1.515895	-0.115091
6	3.303959	-2.469300	0.849702
6	3.365628	-1.691919	-1.442203
6	4.053060	-3.589243	0.489821
1	2.984226	-2.349720	1.879069
6	4.123241	-2.809112	-1.794541
1	3.099274	-0.951942	-2.190002
6	4.462928	-3.763179	-0.833184
1	4.315793	-4.325169	1.244664
1	4.442711	-2.934320	-2.825278
1	5.045523	-4.636735	-1.112385
6	1.093469	-0.454415	1.852903
6	0.911830	0.517597	2.847271

6	0.425664	-1.683599	1.970261
6	0.082411	0.262839	3.940599
1	1.414058	1.476066	2.762621
6	-0.398219	-1.936473	3.066519
1	0.533842	-2.437674	1.201373
6	-0.574347	-0.964389	4.053976
1	-0.048825	1.024606	4.703955
1	-0.909531	-2.891954	3.134356
1	-1.220037	-1.160865	4.905297
17	2.117078	1.261352	-2.847941
6	-1.072123	1.647508	-0.474835
6	-1.494101	2.975238	-0.108088
6	-2.666253	3.138692	0.654946
6	-0.749511	4.105759	-0.495383
6	-3.077520	4.413424	1.034072
1	-3.236227	2.257862	0.935927
6	-1.166515	5.375408	-0.114758
1	0.147328	3.959362	-1.089548
6	-2.329086	5.529470	0.649951
1	-3.981250	4.539696	1.622844
1	-0.591636	6.247658	-0.411191
1	-2.653083	6.523870	0.944001
6	-1.342884	0.348037	-0.055118
1	-1.235300	0.202849	1.024224
6	-2.518672	1.066171	-2.875860
6	-1.084062	1.564266	-2.758669
6	-2.616764	-0.462862	-2.699509
1	-3.178244	1.573666	-2.157755
1	-2.895415	1.343228	-3.872245
1	-1.000870	2.649365	-2.829225
1	-0.459449	1.114632	-3.533519
1	-3.589410	-0.831185	-3.049474
1	-1.861081	-0.948293	-3.330158
14	-2.353763	-0.971115	-0.904300
6	-3.980097	-1.066419	0.049017
6	-5.234443	-1.110974	-0.580797
6	-3.957212	-1.067309	1.458126
6	-6.418267	-1.156212	0.158663
1	-5.294728	-1.108403	-1.665879
6	-5.135360	-1.116315	2.202981
1	-3.005315	-1.034930	1.983603
6	-6.370973	-1.159433	1.552974
1	-7.376262	-1.188507	-0.353583
1	-5.090912	-1.119218	3.289106
6	-1.428689	-2.596167	-0.721323
6	-0.190785	-2.765852	-1.369087
6	-1.869366	-3.616953	0.136045
6	0.592852	-3.897822	-1.146349
1	0.183959	-1.984422	-2.026661
6	-1.090234	-4.754047	0.362956
1	-2.822720	-3.514211	0.647052
6	0.146020	-4.891215	-0.271496
1	1.558683	-3.991708	-1.631722
1	-1.445310	-5.529105	1.037484
1	0.761432	-5.767343	-0.085786
1	-7.290835	-1.194532	2.130440

TS4a

45	0.815158	-0.081598	1.047979
17	0.732251	-1.961234	2.663530
6	1.562610	2.154297	3.150217
6	1.973625	0.789116	2.604470
6	1.038962	3.078983	2.039757
1	0.810358	2.049754	3.931476
1	2.440653	2.601669	3.639855
1	1.994132	0.029962	3.383875
1	2.979548	0.849857	2.174878
1	-0.050347	3.101748	2.075576
1	1.376313	4.116778	2.157226
14	1.601975	2.403370	0.358427
6	0.721946	3.303199	-1.042049
6	0.165415	2.701325	-2.176328
6	0.667367	4.707044	-0.950318
6	-0.422417	3.463033	-3.187410
1	0.163049	1.625035	-2.266413
6	0.075034	5.475469	-1.951517
1	1.103192	5.209701	-0.089905
6	-0.469879	4.851923	-3.077351
1	-0.859765	2.964283	-4.045540
1	0.045796	6.558204	-1.858704
6	-4.786767	1.569638	-3.885709
6	-4.280357	0.819844	-2.848601
6	-3.554929	1.422830	-1.779799
6	-3.406918	2.844167	-1.805780
6	-3.939655	3.593049	-2.887611
6	-4.611675	2.973638	-3.913873
1	-5.331882	1.077921	-4.686441
1	-4.439408	-0.251283	-2.843562

6	-2.987900	0.659501	-0.693989	6	-2.153375	2.562207	5.788737
6	-2.702686	3.476111	-0.756038	1	-0.900995	0.966750	6.528254
1	-3.791316	4.669309	-2.888838	1	-3.383706	4.000720	4.757067
1	-5.011979	3.554208	-4.739921	1	-2.310490	3.006634	6.767456
6	-2.165033	2.738359	0.262690	6	-0.201365	-0.701256	-2.726394
6	-2.321647	1.324829	0.336774	6	-1.272321	-0.316508	-3.536284
1	-2.545305	4.549059	-0.793284	6	1.101582	-0.574800	-3.236248
6	-7.232553	-2.128616	0.043377	6	-1.052413	0.236899	-4.798891
6	-6.262865	-3.043875	-0.291985	1	-2.283500	-0.454815	-3.190076
6	-4.931568	-2.629383	-0.555514	6	1.324541	-0.030238	-4.497884
6	-4.590249	-1.244342	-0.472268	1	1.938051	-0.919432	-2.649456
6	-5.618989	-0.327403	-0.118164	6	0.246824	0.393554	-5.280315
6	-6.902264	-0.756293	0.130329	1	-1.905457	0.543846	-5.397631
1	-4.174889	-4.611045	-0.973836	1	2.341623	0.059520	-4.868596
1	-8.248631	-2.455135	0.245545	1	0.420250	0.828761	-6.260276
1	-6.497436	-4.103234	-0.356203	6	0.328489	-3.049548	-1.302297
6	-3.919329	-3.557853	-0.889883	6	0.824049	-3.759353	-0.202347
6	-3.234563	-0.821295	-0.704283	6	0.410040	-3.631857	-2.579218
1	-5.379164	0.724193	-0.026576	6	1.400245	-5.019956	-0.373943
1	-7.666291	-0.035220	0.406369	1	0.769376	-3.321892	0.787702
6	-2.250420	-1.776962	-0.976295	6	0.990997	-4.887363	-2.748049
6	-2.626305	-3.145936	-1.080741	1	0.022637	-3.103721	-3.442937
1	-1.590505	3.249518	1.020053	6	1.490329	-5.585292	-1.645177
1	-1.870624	-3.886027	-1.305235	1	1.788990	-5.548681	0.491412
15	-1.470629	0.437973	1.716176	1	1.053539	-5.320910	-3.742292
15	-0.428593	-1.384435	-1.028449	1	1.948262	-6.561263	-1.779914
6	-2.691731	-0.891434	2.170306	1	-0.931516	5.446703	-3.861334
6	-3.947974	-0.489096	2.651484	6	3.402094	3.033080	0.201887
6	-2.414962	-2.258342	2.079741	6	4.104775	3.559832	1.296763
6	-4.904835	-1.429865	3.022055	6	4.059897	3.027889	-1.041771
1	-4.185703	0.565406	2.736019	6	5.410476	4.039364	1.165621
6	-3.372091	-3.199799	2.456536	1	3.638845	3.593312	2.275183
1	-1.450465	-2.588907	1.727275	6	5.363118	3.499168	-1.182476
6	-4.619561	-2.791938	2.926285	1	3.540811	2.666382	-1.926308
1	-5.876669	-1.096574	3.373744	6	6.047668	4.002308	-0.072985
1	-3.137263	-4.256846	2.371727	1	5.929683	4.433781	2.035163
1	-5.365873	-3.527796	3.211703	1	5.843700	3.480231	-2.157192
6	-1.741338	1.422598	3.254919	1	7.065650	4.367625	-0.177606
6	-1.153095	0.854086	4.398874	6	2.659777	-0.485158	0.112336
6	-2.557586	2.549797	3.400993	6	2.212483	0.587796	-0.473683
6	-1.362196	1.418600	5.654678	14	4.098693	-1.693917	0.030703
1	-0.538582	-0.036881	4.294868	6	5.692055	-0.630770	0.099119
6	-2.751779	3.122003	4.660852	1	5.647052	-0.033597	-0.822668
1	-3.064393	2.977794	2.544282	6	3.979060	-2.434710	-1.746077

1	2.909986	-2.615906	-1.903783	6	0.583050	3.257147	0.614547
6	3.937146	-2.934261	1.467170	6	0.901374	2.500705	-1.656612
1	2.870234	-3.175632	1.498674	6	1.545030	4.249205	0.415381
6	5.781400	0.375078	1.255827	1	0.091296	3.174412	1.576700
1	4.897250	1.012100	1.304249	6	1.858184	3.495014	-1.854698
1	5.895654	-0.121537	2.223638	1	0.652048	1.826658	-2.468588
1	6.646099	1.037286	1.118356	6	2.191356	4.367088	-0.815286
6	6.965142	-1.494501	0.037528	1	1.785864	4.932574	1.225305
1	6.977791	-2.164376	-0.829251	1	2.346404	3.585169	-2.821201
1	7.861131	-0.861507	-0.022126	1	2.942402	5.136907	-0.967532
1	7.067635	-2.114318	0.936109	6	-1.745202	1.373211	1.391730
6	4.448375	-1.400191	-2.789155	6	-3.025730	1.929822	1.491393
1	5.540083	-1.305529	-2.782349	6	-1.050206	1.046497	2.567418
1	4.154064	-1.712004	-3.800579	6	-3.598156	2.161417	2.744455
1	4.040184	-0.397786	-2.617085	1	-3.583307	2.170892	0.593367
6	4.688737	-3.773851	-2.009909	6	-1.616683	1.290708	3.816294
1	4.224889	-4.592331	-1.458421	1	-0.063197	0.605767	2.502044
1	4.625505	-4.026248	-3.077668	6	-2.896622	1.844032	3.908406
1	5.751501	-3.744389	-1.744722	1	-4.594533	2.590354	2.808433
6	4.266387	-2.269895	2.817018	1	-1.058750	1.039371	4.713931
1	3.945494	-2.920057	3.640460	1	-3.344409	2.025072	4.881632
1	5.344631	-2.104360	2.925691	17	1.348635	-0.883108	-2.139986
1	3.754705	-1.313852	2.943808	6	-1.863103	-1.973155	0.855307
6	4.722312	-4.250077	1.334531	6	-3.224657	-2.025517	0.405026
1	4.348209	-4.876947	0.522055	6	-3.586287	-2.767513	-0.735355
1	5.791560	-4.083014	1.158865	6	-4.203833	-1.259882	1.064908
1	4.634916	-4.830993	2.262938	6	-4.895342	-2.734428	-1.206758
1	2.313518	0.981899	-1.481224	1	-2.827266	-3.349078	-1.247575
				6	-5.509482	-1.228165	0.581244
TS4b				1	-3.921869	-0.680688	1.936317
45	-0.232225	-1.376310	-0.409487	6	-5.859444	-1.959160	-0.556022
15	-0.930288	0.971825	-0.204678	1	-5.163775	-3.310626	-2.087830
6	-2.198888	1.414206	-1.459381	1	-6.254670	-0.624204	1.091355
6	-2.884260	0.380266	-2.109360	1	-6.877700	-1.926913	-0.932825
6	-2.529180	2.745464	-1.758245	6	-0.827914	-1.878162	1.550202
6	-3.898492	0.666102	-3.023968	1	-0.243776	-1.968064	2.444220
1	-2.625287	-0.649338	-1.892896	6	1.276674	-3.978249	0.144009
6	-3.537287	3.030992	-2.677575	6	0.140613	-3.414148	-0.708325
1	-1.995471	3.554937	-1.269676	6	2.609563	-3.270026	-0.135138
6	-4.226984	1.991444	-3.308604	1	1.016034	-3.871566	1.205507
1	-4.427603	-0.148914	-3.509037	1	1.401328	-5.060150	-0.027571
1	-3.786215	4.064583	-2.902037	1	-0.784955	-3.962653	-0.493451
1	-5.014067	2.217212	-4.022784	1	0.368971	-3.541928	-1.776724
6	0.259766	2.363340	-0.414372	1	3.384454	-3.562041	0.587128

1	2.985893	-3.558383	-1.125942	6	1.544684	6.690282	0.495023
14	2.472300	-1.389868	-0.172234	1	3.672146	6.658281	0.835863
6	2.338990	-0.557904	1.514245	1	-0.544376	6.422950	0.025473
6	2.544641	0.824994	1.658265	1	1.410455	7.690538	0.898230
6	2.146147	-1.319987	2.680968	6	3.898562	1.904309	-1.227725
6	2.514489	1.430908	2.913805	6	4.569407	1.871100	0.008034
1	2.736416	1.437424	0.784698	6	4.649561	1.613616	-2.378159
6	2.126688	-0.719644	3.940562	6	5.934156	1.600803	0.088200
1	2.016103	-2.395986	2.605252	1	4.018525	2.069306	0.923865
6	2.300235	0.662021	4.059550	6	6.011187	1.310693	-2.304747
1	2.659298	2.504511	2.993935	1	4.171612	1.630049	-3.353661
1	1.982623	-1.329452	4.828723	6	6.660229	1.314824	-1.070652
1	2.281765	1.132316	5.038831	1	6.428963	1.598528	1.054669
6	4.096962	-0.665450	-0.821750	1	6.564951	1.082831	-3.211735
6	5.293321	-1.356893	-0.565483	1	7.721718	1.090985	-1.008892
6	4.189032	0.586403	-1.453359	6	-6.997186	-0.321129	-0.541857
6	6.531697	-0.823634	-0.929151	6	-5.711521	-0.552346	-0.106053
1	5.266938	-2.327529	-0.076874	6	-4.738955	0.484217	-0.098798
6	5.423106	1.128914	-1.808796	6	-5.127823	1.769020	-0.592774
1	3.286493	1.146375	-1.673683	6	-6.454695	1.973934	-1.048083
6	6.599987	0.423593	-1.549882	6	-7.377531	0.953412	-1.017880
1	7.441468	-1.383290	-0.727959	1	-7.722440	-1.129730	-0.528517
1	5.465033	2.102190	-2.291293	1	-5.432251	-1.539047	0.240164
1	7.562543	0.842154	-1.831352	6	-3.392913	0.277731	0.369982
				6	-4.160886	2.805192	-0.640437
TS4				1	-6.727951	2.957269	-1.422412
45	0.432709	0.613476	-1.108853	1	-8.393321	1.122527	-1.363504
6	0.620099	1.394332	-3.285725	6	-2.889365	2.596331	-0.175588
6	1.270009	0.138946	-3.045537	6	-2.497606	1.345080	0.380993
6	1.501097	2.626068	-3.144443	1	-4.443085	3.770230	-1.053791
1	-0.371119	1.698978	-2.145846	6	-4.499953	-2.843352	4.350242
1	-0.211697	1.402350	-3.992071	6	-3.669683	-3.573977	3.532594
1	0.849080	-0.763879	-3.473071	6	-3.161528	-3.020230	2.328904
1	2.352855	0.125668	-2.966569	6	-3.515020	-1.681860	1.966975
1	0.914430	3.549073	-3.196102	6	-4.368439	-0.952934	2.840068
1	2.259588	2.664112	-3.935261	6	-4.852481	-1.519711	3.996202
14	2.075469	2.372469	-1.322820	1	-2.036343	-4.773239	1.747418
6	1.888228	4.079767	-0.529415	1	-4.883411	-3.277279	5.269246
6	2.978843	4.817886	-0.043120	1	-3.385151	-4.589341	3.796274
6	0.624626	4.695274	-0.505321	6	-2.303634	-3.755222	1.476276
6	2.811034	6.108452	0.464128	6	-2.985726	-1.110402	0.765608
1	3.973373	4.383852	-0.061609	1	-4.628210	0.068001	2.586949
6	0.447555	5.979402	0.001821	1	-5.501293	-0.942888	4.649113
1	-0.236943	4.147802	-0.879838	6	-2.131833	-1.865015	-0.043210

6	-1.804065	-3.195215	0.326671
1	-2.160953	3.397195	-0.229942
1	-1.145318	-3.776054	-0.306671
15	-0.724040	1.171866	0.864057
15	-1.316848	-1.103469	-1.519440
6	-0.766861	0.035366	2.325159
6	-1.481530	0.437874	3.465275
6	-0.095282	-1.189623	2.343767
6	-1.539190	-0.378841	4.590350
1	-2.000994	1.389644	3.474724
6	-0.153541	-2.004497	3.475018
1	0.482683	-1.497371	1.485298
6	-0.876154	-1.607274	4.597937
1	-2.112331	-0.060748	5.456215
1	0.365882	-2.956939	3.466388
1	-0.926443	-2.248956	5.472830
6	-0.318577	2.695789	1.810424
6	1.030688	2.841059	2.161931
6	-1.251888	3.616307	2.300617
6	1.443430	3.902581	2.960707
1	1.755359	2.117226	1.799967
6	-0.835297	4.684621	3.096396
1	-2.305612	3.505148	2.071056
6	0.511932	4.834949	3.421066
1	2.495211	4.014900	3.204274
1	-1.568085	5.398988	3.461712
1	0.836728	5.673814	4.029633
6	-2.798792	-0.607453	-2.495654
6	-3.878580	-1.495183	-2.634198
6	-2.893645	0.661179	-3.075888
6	-5.013244	-1.126295	-3.351258
1	-3.838036	-2.468588	-2.155108
6	-4.033449	1.033718	-3.789022
1	-2.095393	1.375092	-2.925883
6	-5.094156	0.141466	-3.931635
1	-5.845418	-1.818747	-3.436095
1	-4.097711	2.031349	-4.214103
1	-5.987242	0.435512	-4.474878
6	-0.648905	-2.545311	-2.454399
6	0.594250	-3.056468	-2.041841
6	-1.270284	-3.103437	-3.579933
6	1.176215	-4.128082	-2.714847
1	1.122288	-2.584643	-1.220582
6	-0.676067	-4.169606	-4.259089
1	-2.211103	-2.705911	-3.940023
6	0.541812	-4.691365	-3.824315
1	2.136962	-4.507429	-2.380202
1	-1.169094	-4.588158	-5.132243
1	1.001259	-5.520876	-4.354607
6	1.783434	-0.537259	-0.176896
6	2.647958	-1.266249	0.314838
14	3.957505	-2.432030	0.775357
6	4.599635	-2.105804	2.543797
1	5.353464	-2.881253	2.750050
6	3.286133	-4.226925	0.638543
1	3.285146	-4.435351	-0.442437
6	5.364567	-2.147067	-0.483053
1	5.595606	-1.080925	-0.365534
6	3.490773	-2.223486	3.601500
1	3.877882	-2.000521	4.605856
1	2.675906	-1.520074	3.397574
1	3.057311	-3.228876	3.633630
6	5.288022	-0.736772	2.650071
1	4.587459	0.068266	2.399448
1	5.653406	-0.556393	3.670956
1	6.140549	-0.652708	1.968593
6	4.207403	-5.260786	1.310036
1	3.842650	-6.283955	1.142481
1	5.234673	-5.210989	0.934850
1	4.247355	-5.105671	2.395228
6	1.843002	-4.402663	1.139236
1	1.792716	-4.316733	2.230696
1	1.167084	-3.652079	0.723335
1	1.451008	-5.395453	0.875590
6	6.653346	-2.939759	-0.219519
1	6.507832	-4.013169	-0.392859
1	7.459574	-2.613829	-0.891744
1	7.012994	-2.817717	0.809305
6	4.879481	-2.337612	-1.928831
1	4.650222	-3.390976	-2.140827
1	3.975894	-1.750123	-2.120365
1	5.647837	-2.020565	-2.647310

TS5a

45	-0.223980	1.059901	0.960792
17	0.531512	2.651727	2.975746
6	-2.862299	-0.574529	2.763817
6	-2.126846	0.683069	2.269251

6	-2.667379	-1.917535	2.026605	1	4.528516	-2.858180	-0.238873
1	-2.581590	-0.724826	3.812615	1	6.857713	-3.404587	0.310480
1	-3.935590	-0.347140	2.771439	6	3.082810	0.976200	-0.568407
1	-1.374470	1.005168	2.989659	6	4.062717	1.987579	-0.398309
1	-2.822155	1.510829	2.201446	1	-0.415123	-2.813047	0.475321
1	-1.607248	-2.156697	1.979360	1	3.771989	3.027844	-0.456933
1	-3.129045	-2.720224	2.615825	15	1.125751	-0.627824	1.592383
14	-3.400171	-1.802056	0.313771	15	1.292683	1.444509	-0.758000
6	-2.956400	-3.256357	-0.804560	6	2.807155	-0.330223	2.308238
6	-2.922582	-3.099404	-2.200382	6	3.566680	-1.467602	2.628565
6	-2.704519	-4.536672	-0.284622	6	3.314749	0.936408	2.600502
6	-2.653611	-4.174976	-3.047252	6	4.823542	-1.335383	3.209558
1	-3.106044	-2.118125	-2.631904	1	3.182902	-2.459281	2.412605
6	-2.430008	-5.619357	-1.123854	6	4.574359	1.063207	3.188283
1	-2.719028	-4.692639	0.792004	1	2.714813	1.812977	2.397735
6	-2.405661	-5.440422	-2.509019	6	5.334061	-0.065909	3.488283
1	-2.635325	-4.028718	-4.124271	1	5.408216	-2.222835	3.432140
1	-2.235012	-6.600518	-0.698916	1	4.958314	2.055404	3.407204
6	3.673343	-2.810149	-4.049643	1	6.317272	0.038560	3.938039
6	3.598287	-2.037341	-2.912776	6	0.517588	-1.665785	2.979639
6	2.573860	-2.247166	-1.949262	6	0.148750	-0.970303	4.141786
6	1.602954	-3.264566	-2.214067	6	0.551914	-3.066372	2.995514
6	1.700560	-4.038643	-3.397922	6	-0.232078	-1.672320	5.283304
6	2.718842	-3.823103	-4.297969	1	0.178972	0.116364	4.152776
1	4.467231	-2.631123	-4.769156	6	0.165545	-3.762545	4.141037
1	4.325725	-1.253123	-2.746465	1	0.874663	-3.618328	2.120365
6	2.471016	-1.465837	-0.747597	6	-0.238570	-3.068975	5.282290
6	0.532512	-3.449101	-1.305594	1	-0.521859	-1.124454	6.175263
1	0.944435	-4.797812	-3.579841	1	0.185890	-4.848804	4.140087
1	2.787716	-4.421451	-5.202031	1	-0.542307	-3.613736	6.171640
6	0.438540	-2.683197	-0.174061	6	0.966037	0.625688	-2.371919
6	1.426899	-1.711979	0.144539	6	1.858672	0.804462	-3.442208
1	-0.228124	-4.188668	-1.524888	6	-0.100033	-0.265884	-2.509722
6	7.506472	-1.337318	0.406851	6	1.661843	0.126501	-4.641714
6	7.126913	-0.021022	0.286307	1	2.722635	1.451416	-3.325254
6	5.788518	0.323660	-0.035470	6	-0.279270	-0.960934	-3.706059
6	4.823572	-0.712564	-0.238044	1	-0.769476	-0.429931	-1.675126
6	5.250995	-2.062507	-0.104608	6	0.591904	-0.762233	-4.774590
6	6.555823	-2.366213	0.207544	1	2.359742	0.267556	-5.461953
1	6.109136	2.461069	-0.011152	1	-1.088015	-1.679138	-3.786343
1	8.532544	-1.590613	0.657527	1	0.456577	-1.314908	-5.699608
1	7.845007	0.779729	0.442703	6	1.390595	3.247292	-1.114848
6	5.374507	1.671509	-0.146559	6	1.620176	4.103839	-0.023610
6	3.461810	-0.367013	-0.517700	6	1.288877	3.793775	-2.400969

6	1.791997	5.471670	-0.228295
1	1.637580	3.702603	0.986286
6	1.445744	5.167021	-2.597531
1	1.081020	3.156006	-3.251313
6	1.711655	6.006914	-1.515707
1	1.968200	6.119072	0.625579
1	1.357018	5.576911	-3.599577
1	1.836420	7.074599	-1.672409
1	-2.195703	-6.281405	-3.164385
6	-5.285056	-1.727012	0.417908
6	-5.987834	-2.055800	1.587849
6	-6.031366	-1.270901	-0.683514
6	-7.376427	-1.926997	1.662000
1	-5.446186	-2.408588	2.461841
6	-7.417628	-1.140306	-0.619572
1	-5.522763	-1.005159	-1.608087
6	-8.094307	-1.465845	0.558470
1	-7.896247	-2.181889	2.581900
1	-7.970426	-0.781511	-1.483895
1	-9.174255	-1.359393	0.614770
6	-2.037351	0.725871	0.183141
6	-2.871459	-0.181920	-0.387230
14	-2.551396	2.588891	-0.435380
6	-4.477840	2.587310	-0.354755
1	-4.770789	1.897500	-1.158752
6	-2.054975	2.647890	-2.313329
1	-1.000546	2.356298	-2.330878
6	-1.814863	4.014072	0.636794
1	-0.798531	3.711897	0.909325
6	-5.124447	2.047477	0.930277
1	-4.798252	1.028890	1.145228
1	-4.898701	2.675639	1.797765
1	-6.216623	2.018897	0.819329
6	-5.068028	3.966729	-0.707214
1	-4.713230	4.343082	-1.671281
1	-6.163715	3.907154	-0.760869
1	-4.822666	4.717679	0.050780
6	-2.804471	1.635434	-3.202416
1	-3.885325	1.822474	-3.206401
1	-2.455720	1.727465	-4.239328
1	-2.634613	0.601961	-2.903903
6	-2.146197	4.019320	-3.012391
1	-1.503681	4.772922	-2.563870
1	-1.838495	3.911386	-4.061745
1	-3.169513	4.409072	-3.021377
6	-2.552088	4.225234	1.974496
1	-2.026720	4.995122	2.551867
1	-3.582007	4.566170	1.824571
1	-2.567421	3.332648	2.599029
6	-1.696739	5.375661	-0.072872
1	-0.938897	5.366094	-0.854850
1	-2.643746	5.706627	-0.513650
1	-1.391333	6.137670	0.656283
1	-3.479627	0.151834	-1.226314

TS5b

45	-0.642229	0.135531	-1.582365
17	1.464996	-0.578385	1.126109
6	1.108058	-0.741329	-2.691961
6	0.916944	0.659207	-2.923952
6	2.320739	-1.305915	-1.954843
1	0.798401	-1.391069	-3.511281
1	0.025031	-1.364167	-1.752494
1	1.585908	1.379230	-2.459521
1	0.502904	0.973199	-3.880314
1	3.183524	-1.282329	-2.640212
1	2.157859	-2.370213	-1.736219
14	2.962370	-0.579319	-0.335861
6	4.286433	-1.746102	0.288342
6	3.946295	-3.016509	0.787803
6	5.644994	-1.397062	0.221044
6	4.932968	-3.910083	1.200352
1	2.899740	-3.301753	0.871884
6	6.635745	-2.290931	0.632053
1	5.930598	-0.415848	-0.149143
6	6.280428	-3.548343	1.120843
1	4.653638	-4.885832	1.588574
1	7.682266	-2.003903	0.575715
6	-4.462368	2.128065	1.895282
6	-3.592468	2.566254	2.892604
6	-4.074972	1.109627	1.020962
6	-2.324244	1.992318	3.007007
6	-1.930962	0.988575	2.127182
6	-2.809724	0.521981	1.135234
1	-1.629568	2.347585	3.761773
1	-0.933009	0.569242	2.201137
15	-2.186116	-0.709806	-0.076194
6	-3.727962	-1.379736	-0.830035

6	-4.729693	-1.994473	-0.064160	6	4.279933	3.263004	0.567951
6	-3.893993	-1.277197	-2.216630	1	3.354772	1.630973	1.613813
6	-5.881458	-2.485968	-0.674956	6	4.752438	3.735747	-0.658042
1	-4.604612	-2.090802	1.010180	1	5.044393	3.287584	-2.747031
6	-5.047941	-1.771619	-2.829014	1	4.335660	3.892504	1.451665
1	-3.103324	-0.814190	-2.800533	1	5.174956	4.733962	-0.730305
6	-6.043088	-2.373755	-2.059262				
1	-6.652234	-2.960340	-0.073594	**TS6a**			
1	-5.166446	-1.689041	-3.906067	45	-1.237195	0.401359	-0.360924
1	-6.940910	-2.759998	-2.534059	6	-3.524655	2.995273	-2.076410
6	-1.674160	-2.123259	0.998694	6	-2.878876	1.581754	-2.098019
6	-0.861562	-3.121462	0.443851	6	-4.675731	2.794859	-1.046047
6	-2.086117	-2.255382	2.331379	1	-2.804224	3.726240	-1.693421
6	-0.467939	-4.223721	1.199384	1	-3.846007	3.349832	-3.064473
1	-0.525308	-3.017991	-0.583264	1	-1.797819	1.551453	-2.293244
6	-1.683065	-3.354069	3.093305	1	-3.354148	0.925078	-2.836485
1	-2.710468	-1.491925	2.782763	1	-4.842752	3.638088	-0.368494
6	-0.873042	-4.340334	2.531150	1	-5.625036	2.563818	-1.542973
1	0.162460	-4.987637	0.751598	14	-3.805815	1.200372	-0.420624
1	-2.003367	-3.435915	4.128444	6	-2.984577	1.560303	1.248147
1	-0.556938	-5.192613	3.126224	6	-2.415064	2.823147	1.508961
1	-5.447474	2.575856	1.794760	6	-3.004873	0.623674	2.303945
1	-3.893703	3.360458	3.569901	6	-1.867078	3.134651	2.753482
1	-4.760895	0.770833	0.251972	1	-2.399300	3.576066	0.728988
6	0.640388	3.828049	1.549882	6	-2.480533	0.937748	3.557292
6	-0.248552	4.827030	1.954348	1	-3.447872	-0.352978	2.132587
6	-1.478875	4.963431	1.305579	6	-1.902122	2.190594	3.782100
6	-1.822179	4.108213	0.263235	1	-1.412456	4.108611	2.912665
6	-0.934327	3.095533	-0.144325	1	-2.514714	0.202414	4.357150
6	0.301647	2.965939	0.512129	6	4.433362	-2.785851	2.938577
1	1.601233	3.717801	2.044030	6	3.879338	-2.139641	1.856142
1	0.014377	5.495582	2.769644	6	3.018680	-1.021872	2.029793
1	-2.177440	5.734064	1.620081	6	2.722551	-0.601369	3.364907
1	-2.785547	4.194515	-0.228093	6	3.295797	-1.296703	4.459356
1	0.975904	2.178403	0.201649	6	4.140426	-2.364153	4.255264
6	-1.293240	2.201486	-1.206645	1	5.094326	-3.633191	2.779015
6	-1.866255	1.743522	-2.222512	1	4.100487	-2.482086	0.852745
1	-2.455803	1.800056	-3.119103	6	2.433685	-0.320769	0.921106
1	7.049973	-4.244082	1.444131	6	1.834345	0.487270	3.556212
6	3.636175	1.157019	-0.474332	1	3.053185	-0.967316	5.466650
6	4.126192	1.645954	-1.697371	1	4.577956	-2.886219	5.101500
6	3.730220	1.985079	0.657585	6	1.314188	1.167076	2.485999
6	4.679069	2.924045	-1.790704	6	1.644315	0.802319	1.149042
1	4.064526	1.032020	-2.591805	1	1.562066	0.773105	4.569211

6	6.337371	-0.409152	-2.469799
6	5.308238	-1.087890	-3.080544
6	4.064649	-1.269953	-2.422188
6	3.880788	-0.734435	-1.108672
6	4.966058	-0.041371	-0.505643
6	6.162149	0.115743	-1.167398
1	3.131849	-2.388740	-4.019609
1	7.284893	-0.274193	-2.983675
1	5.429870	-1.494363	-4.081429
6	2.989930	-1.962338	-3.029557
6	2.614980	-0.875261	-0.457683
1	4.834163	0.373613	0.486845
1	6.977169	0.652276	-0.689787
6	1.563453	-1.533484	-1.101032
6	1.781490	-2.089960	-2.389789
1	0.611569	1.973938	2.655033
1	0.974890	-2.619468	-2.881743
15	0.713761	1.652016	-0.198192
15	-0.155679	-1.528467	-0.384711
6	1.847147	1.761194	-1.647397
6	3.090186	2.404068	-1.574674
6	1.419451	1.236612	-2.872117
6	3.902915	2.494211	-2.701470
1	3.426269	2.825065	-0.632149
6	2.231511	1.331251	-4.002565
1	0.459019	0.731285	-2.916833
6	3.476247	1.955110	-3.917572
1	4.874917	2.973068	-2.629289
1	1.895978	0.906796	-4.944708
1	4.114775	2.020268	-4.793930
6	0.740831	3.435329	0.277801
6	-0.134420	4.270090	-0.431929
6	1.601600	4.011106	1.220095
6	-0.174371	5.640614	-0.187374
1	-0.789550	3.833775	-1.179785
6	1.556703	5.384013	1.474392
1	2.305088	3.391410	1.765165
6	0.665719	6.201146	0.778307
1	-0.863545	6.269147	-0.744647
1	2.224343	5.814042	2.216174
1	0.630819	7.267969	0.980082
6	0.122304	-2.390805	1.213664
6	0.948973	-3.519033	1.317405
6	-0.471384	-1.868266	2.365970
6	1.166684	-4.118618	2.555576
1	1.444145	-3.909270	0.432637
6	-0.248866	-2.466225	3.606147
1	-1.073335	-0.972434	2.278231
6	0.569922	-3.590901	3.703666
1	1.822566	-4.980975	2.630578
1	-0.699274	-2.038444	4.497861
1	0.757734	-4.048349	4.670833
6	-1.044455	-2.778158	-1.417743
6	-1.552427	-2.344365	-2.654393
6	-1.325379	-4.081427	-0.996015
6	-2.299437	-3.200061	-3.459527
1	-1.382527	-1.314857	-2.958505
6	-2.095857	-4.933462	-1.793354
1	-0.964686	-4.431268	-0.035840
6	-2.579761	-4.500187	-3.026463
1	-2.683945	-2.846862	-4.412439
1	-2.318434	-5.937739	-1.443151
1	-3.178210	-5.164224	-3.643898
1	-1.486006	2.430844	4.757202
6	-5.001569	-0.248179	-0.342486
6	-6.200562	-0.093206	0.373902
6	-4.773025	-1.476101	-0.985544
6	-7.127508	-1.133104	0.465878
1	-6.413416	0.851676	0.870608
6	-5.700880	-2.514549	-0.909258
1	-3.853588	-1.629544	-1.540258
6	-6.878186	-2.347369	-0.176870
1	-8.042941	-0.995829	1.035711
1	-5.494995	-3.454929	-1.413920
1	-7.598902	-3.158089	-0.107852
1	-2.422761	-0.673715	-0.292667

TS6b

45	-0.193507	-0.341808	-0.953254
15	-1.996997	0.558860	0.772877
6	-3.472910	-0.547756	0.624886
6	-4.172965	-0.444818	-0.589041
6	-3.953041	-1.415229	1.610798
6	-5.320580	-1.199993	-0.809824
1	-3.803334	0.219100	-1.364639
6	-5.097619	-2.183245	1.379548
1	-3.460408	-1.485136	2.572553
6	-5.782222	-2.080375	0.170024

1	-5.837353	-1.120640	-1.760884	1	1.432146	-2.751369	-3.883930
1	-5.455649	-2.855123	2.155145	1	0.285960	-0.581864	-3.469462
1	-6.669566	-2.680713	-0.009241	1	1.841376	-0.660580	-2.648607
6	-2.945552	2.148698	0.714296	1	0.943255	-4.308823	-1.584695
6	-3.944504	2.375013	1.679448	1	2.537397	-3.725027	-2.053894
6	-2.780063	3.071323	-0.319460	14	1.575538	-2.288058	-0.279181
6	-4.736101	3.517301	1.624169	6	1.820956	-3.322796	1.301385
1	-4.105958	1.649979	2.471101	6	1.476453	-2.905217	2.596342
6	-3.588258	4.209874	-0.381880	6	2.450297	-4.572765	1.172643
1	-2.039094	2.894379	-1.083927	6	1.745992	-3.693035	3.716090
6	-4.559004	4.440968	0.588479	1	0.992631	-1.948032	2.744422
1	-5.499800	3.681316	2.379603	6	2.718072	-5.371210	2.286482
1	-3.442409	4.916425	-1.192956	1	2.741246	-4.931056	0.188624
1	-5.183188	5.329233	0.539098	6	2.367647	-4.933271	3.564276
6	-1.527577	0.481831	2.554236	1	1.474863	-3.335244	4.706712
6	-1.222047	-0.747539	3.159738	1	3.201867	-6.335721	2.155631
6	-1.354556	1.651115	3.311764	15	1.301877	1.538452	-0.524763
6	-0.797015	-0.811467	4.486761	6	2.597987	1.764807	-1.809676
1	-1.315439	-1.665135	2.593339	6	3.965400	1.854518	-1.531021
6	-0.910731	1.589885	4.632397	6	2.173040	1.823136	-3.149721
1	-1.579876	2.614294	2.870300	6	4.885070	2.052069	-2.561592
6	-0.640016	0.358957	5.230315	1	4.328536	1.729043	-0.519738
1	-0.584947	-1.779339	4.932510	6	3.094931	2.020590	-4.175507
1	-0.782028	2.509629	5.195923	1	1.121992	1.690507	-3.385914
1	-0.305051	0.311893	6.262484	6	4.455000	2.146858	-3.883675
17	-1.370344	1.071908	-2.617980	1	5.943467	2.109933	-2.324276
6	-1.306538	-2.057927	-1.035528	1	2.748548	2.066282	-5.204272
6	-2.377989	-2.664236	-1.777365	1	5.173917	2.300537	-4.683785
6	-2.986117	-3.842789	-1.301525	6	0.556691	3.237026	-0.448337
6	-2.821324	-2.102071	-2.988431	6	0.189557	3.768452	0.798155
6	-4.031506	-4.426403	-2.007178	6	0.333731	4.010255	-1.595234
1	-2.640945	-4.275922	-0.367797	6	-0.366975	5.041837	0.897931
6	-3.855816	-2.702853	-3.699352	1	0.349426	3.190894	1.700073
1	-2.354164	-1.187596	-3.335661	6	-0.225185	5.284621	-1.493982
6	-4.467963	-3.859159	-3.209004	1	0.600313	3.629271	-2.571368
1	-4.506764	-5.325429	-1.624970	6	-0.573982	5.807644	-0.248432
1	-4.191996	-2.263508	-4.634331	1	-0.644934	5.430784	1.873565
1	-5.281033	-4.321279	-3.762271	1	-0.383670	5.869536	-2.395787
6	-0.514755	-2.271579	-0.013487	1	-1.008318	6.800428	-0.173070
1	-0.634605	-2.759762	0.944276	6	2.166874	1.579962	1.097121
6	0.877994	-2.588700	-2.945513	6	3.085470	2.587793	1.435113
6	0.839034	-1.084621	-2.676621	6	1.796146	0.655279	2.072911
6	1.520897	-3.404027	-1.801407	6	3.658754	2.621463	2.703506
1	-0.133265	-2.954408	-3.137295	1	3.339388	3.354033	0.710586

6	2.351441	0.697035	3.352403
1	1.066004	-0.100973	1.817755
6	3.295206	1.672692	3.665049
1	4.380156	3.396095	2.948168
1	2.046377	-0.033906	4.093121
1	3.738537	1.706084	4.656423
1	2.578171	-5.551761	4.432498
6	3.312286	-1.468138	-0.358099
6	4.012528	-1.132193	0.814240
6	4.039632	-1.433164	-1.562010
6	5.349564	-0.738548	0.787377
1	3.517897	-1.201501	1.773672
6	5.386222	-1.069111	-1.596237
1	3.564981	-1.707682	-2.496699
6	6.045605	-0.708747	-0.422324
1	5.849399	-0.475475	1.715859
1	5.912703	-1.054266	-2.546382
1	7.092803	-0.418487	-0.447164

TS7b

45	0.211417	-0.294426	-0.979632
17	2.310859	0.684826	-1.780710
6	1.432625	-3.108521	-1.717048
6	0.617748	-1.917688	-2.269637
6	2.070727	-2.809853	-0.347149
1	0.806285	-4.001098	-1.626155
1	2.225967	-3.370609	-2.431642
1	-0.322908	-2.264301	-2.711031
1	1.177091	-1.427343	-3.076443
1	1.311072	-2.934536	0.430483
1	2.892993	-3.503013	-0.117226
14	2.658161	-1.013704	-0.230348
6	2.648277	-0.311720	1.511107
6	2.540962	1.056505	1.799253
6	2.805116	-1.203956	2.587286
6	2.556467	1.519688	3.115954
1	2.442499	1.768176	0.989564
6	2.831133	-0.745597	3.905661
1	2.904484	-2.270378	2.397447
6	2.695647	0.618579	4.173608
1	2.461247	2.584406	3.307474
1	2.957821	-1.452285	4.722066
6	-3.124689	-1.410387	3.712645
6	-1.977099	-1.401721	4.506439
6	-3.022564	-1.383320	2.321870
6	-0.721440	-1.333667	3.901471
6	-0.619838	-1.295776	2.511637
6	-1.766194	-1.345280	1.706539
1	0.182860	-1.294268	4.500108
6	-3.794627	1.982614	3.091053
6	-2.450137	1.795215	3.418263
1	-5.208848	2.260305	1.487276
6	-4.163190	2.138372	1.756114
6	-1.483153	1.769759	2.417640
6	-1.837194	1.986737	1.074153
6	-3.191132	2.148726	0.753839
1	0.352975	-1.210203	2.045318
1	-3.494102	2.281516	-0.277272
15	-1.491532	-1.500386	-0.111254
15	-0.512892	1.907618	-0.195130
6	-3.144643	-1.176790	-0.868179
6	-4.264627	-1.984062	-0.604302
6	-3.285015	-0.114652	-1.764362
6	-5.497325	-1.696531	-1.187681
1	-4.167573	-2.850547	0.041293
6	-4.515642	0.173560	-2.356388
1	-2.421671	0.485536	-2.007807
6	-5.628681	-0.611714	-2.059983
1	-6.355216	-2.326571	-0.969557
1	-4.592460	1.007633	-3.048506
1	-6.590485	-0.393765	-2.515913
6	-1.462931	-3.346573	-0.267424
6	-1.895925	-3.949170	-1.459441
6	-0.959329	-4.163275	0.752884
6	-1.807223	-5.328924	-1.632660
1	-2.310743	-3.337992	-2.253590
6	-0.866635	-5.544437	0.577725
1	-0.642465	-3.723563	1.692058
6	-1.284097	-6.131577	-0.616803
1	-2.144275	-5.776208	-2.563610
1	-0.471018	-6.160959	1.380131
1	-1.210812	-7.206855	-0.752783
6	0.605292	3.318640	0.276929
6	0.569949	3.989019	1.506128
6	1.547288	3.731811	-0.681748
6	1.474845	5.016350	1.784190
1	-0.168246	3.725711	2.252360
6	2.453512	4.751368	-0.400064

1	1.570772	3.256296	-1.654041	1	-4.093023	-0.607458	-2.054056
6	2.428444	5.393085	0.839770	6	-3.457804	-3.934113	-2.387571
1	1.425263	5.524806	2.743535	1	-1.861394	-4.994472	-1.398020
1	3.177851	5.045728	-1.154241	1	-4.931401	-2.612528	-3.247696
1	3.135886	6.187235	1.060805	1	-3.821789	-4.811047	-2.915717
6	-1.251553	2.739016	-1.675899	6	-2.176614	1.166986	-1.249404
6	-1.044984	2.190135	-2.948642	6	-3.010675	2.246427	-0.937809
6	-1.941557	3.955763	-1.566229	6	-1.444206	1.192939	-2.448180
6	-1.547403	2.825021	-4.087025	6	-3.114517	3.331547	-1.811766
1	-0.491465	1.258682	-3.041455	1	-3.580763	2.240741	-0.014778
6	-2.449627	4.585722	-2.700225	6	-1.551111	2.274248	-3.318352
1	-2.077223	4.410038	-0.589593	1	-0.785843	0.363380	-2.695261
6	-2.257353	4.019104	-3.963853	6	-2.386841	3.349236	-3.001456
1	-1.379673	2.385126	-5.066062	1	-3.768876	4.162032	-1.560735
1	-2.989120	5.523551	-2.600395	1	-0.978308	2.281393	-4.241403
1	-2.651005	4.513723	-4.847458	1	-2.468859	4.194256	-3.679228
1	2.709003	0.976907	5.199493	6	-3.068922	0.010402	1.251949
6	4.495682	-1.067547	-0.706995	6	-4.287211	-0.676475	1.330048
6	4.998797	-2.060351	-1.563738	6	-2.735798	0.921892	2.267318
6	5.400142	-0.111433	-0.213313	6	-5.159617	-0.445272	2.395303
6	6.348402	-2.097110	-1.919171	1	-4.554339	-1.392505	0.560627
1	4.330357	-2.817228	-1.964906	6	-3.613154	1.161009	3.323182
6	6.750258	-0.143866	-0.560000	1	-1.781918	1.436101	2.220766
1	5.044024	0.666387	0.457342	6	-4.828395	0.475200	3.390115
6	7.228268	-1.137780	-1.416955	1	-6.100389	-0.986379	2.445671
1	6.712510	-2.874660	-2.586026	1	-3.343967	1.872467	4.098973
1	7.430757	0.604166	-0.160905	1	-5.509575	0.652932	4.217423
1	8.280194	-1.165171	-1.689079	17	1.715774	-2.180195	-0.488136
1	-4.550415	1.985790	3.871446	6	1.305337	-0.856880	3.163179
1	-2.155748	1.633353	4.449944	6	0.185350	-1.118094	2.152956
1	-0.449731	1.567288	2.679590	6	2.717883	-1.027733	2.575473
1	-4.107497	-1.430231	4.175630	1	1.209581	0.153703	3.577475
1	-2.062446	-1.430066	5.589443	1	1.167804	-1.540419	4.015906
1	-3.925666	-1.369044	1.725597	1	-0.779190	-0.817410	2.569940
				1	0.144702	-2.180505	1.889276
TS8b				1	3.486235	-0.614892	3.240516
45	0.431029	-0.173914	0.330506	1	2.951066	-2.090915	2.435775
15	-1.858742	-0.234115	-0.106541	14	2.797574	-0.248032	0.866637
6	-2.515459	-1.671362	-1.034716	6	2.040626	1.428474	0.590559
6	-1.885135	-2.911101	-0.861176	6	2.267921	2.037930	-0.699227
6	-3.613180	-1.570078	-1.903157	6	0.864539	1.880631	1.294098
6	-2.359815	-4.038873	-1.532672	6	1.478758	3.060098	-1.173899
1	-1.008517	-2.981346	-0.225264	1	3.102704	1.688763	-1.299414
6	-4.082080	-2.697777	-2.575409	6	0.096283	2.978010	0.795382

1	0.729068	1.622297	2.337485
6	0.379539	3.547155	-0.419804
1	1.706167	3.510297	-2.136665
1	-0.743074	3.337155	1.384598
1	-0.238338	4.346730	-0.814531
6	4.469889	-0.342760	0.029650
6	5.298469	0.794230	0.099562
6	4.991433	-1.505016	-0.563303
6	6.596895	0.773545	-0.410195
1	4.920658	1.707949	0.551086
6	6.289570	-1.527734	-1.073287
1	4.370255	-2.390602	-0.636051
6	7.094460	-0.389423	-0.999662
1	7.216858	1.664004	-0.349482
1	6.672048	-2.435284	-1.532616
1	8.104514	-0.408447	-1.400251

TS7a

45	-0.989794	1.033341	-0.715952
6	-2.788788	3.032629	-2.507064
6	-1.384504	2.877080	-1.912305
6	-3.857184	2.676571	-1.464926
1	-2.928986	4.061340	-2.873643
1	-2.893021	2.374762	-3.381397
1	-1.267629	3.532886	-1.038993
1	-0.597900	3.166277	-2.617810
1	-3.911467	3.481864	-0.719000
1	-4.855862	2.609645	-1.912181
14	-3.341290	1.090697	-0.508307
6	-3.386132	1.543953	1.346352
6	-2.603653	2.645988	1.752738
6	-4.019903	0.807647	2.362686
6	-2.420780	2.967523	3.098607
1	-2.134191	3.267695	0.997021
6	-3.850570	1.126880	3.711080
1	-4.661060	-0.026999	2.101236
6	-3.036200	2.197248	4.087473
1	-1.804755	3.820401	3.375331
1	-4.354237	0.535594	4.471767
6	3.644308	-3.169433	3.344257
6	3.222413	-2.557029	2.186785
6	2.838413	-1.187266	2.178242
6	2.909437	-0.460159	3.407770
6	3.326545	-1.125435	4.589970
6	3.689750	-2.451822	4.562748
1	3.936117	-4.215725	3.324864
1	3.176338	-3.120477	1.262854
6	2.380029	-0.527393	0.992232
6	2.581058	0.916577	3.403019
1	3.362245	-0.559988	5.517702
1	4.014958	-2.949438	5.471928
6	2.198019	1.546816	2.244996
6	2.075630	0.834038	1.021732
1	2.655616	1.478318	4.330823
6	5.888986	-2.314535	-2.329718
6	4.671688	-2.662671	-2.867417
6	3.462177	-2.349442	-2.195142
6	3.506486	-1.652421	-0.947682
6	4.782601	-1.301640	-0.425397
6	5.940266	-1.629221	-1.093807
1	2.158871	-3.238968	-3.673144
1	6.809571	-2.562431	-2.850417
1	4.614804	-3.187315	-3.817832
6	2.200216	-2.706420	-2.726141
6	2.281776	-1.311603	-0.279046
1	4.837908	-0.763561	0.512669
1	6.902089	-1.351403	-0.671901
6	1.054455	-1.692208	-0.823916
6	1.041555	-2.397800	-2.059451
1	1.988693	2.608275	2.267614
1	0.093918	-2.697019	-2.487574
15	1.299683	1.641612	-0.456525
15	-0.586582	-1.149116	-0.108943
6	2.479112	1.331637	-1.819411
6	3.860931	1.517640	-1.672463
6	1.972513	0.871560	-3.041279
6	4.722323	1.245570	-2.732454
1	4.260576	1.852944	-0.719791
6	2.837329	0.596478	-4.100277
1	0.904122	0.705820	-3.137710
6	4.211757	0.780266	-3.946484
1	5.793132	1.371530	-2.604417
1	2.438123	0.222870	-5.038918
1	4.887042	0.552072	-4.765990
6	1.459112	3.445861	-0.131604
6	0.631385	4.012315	0.854134
6	2.258726	4.297263	-0.903943

6	0.629263	5.385557	1.084369
1	-0.020552	3.370914	1.437526
6	2.245004	5.676737	-0.682415
1	2.888713	3.888256	-1.685190
6	1.437357	6.224924	0.312949
1	-0.014006	5.801364	1.855121
1	2.869376	6.322346	-1.293880
1	1.429122	7.297861	0.482082
6	-0.446780	-1.602879	1.664816
6	0.078643	-2.824713	2.111154
6	-0.847620	-0.649715	2.610629
6	0.177511	-3.096027	3.473663
1	0.449966	-3.547860	1.391843
6	-0.737607	-0.917358	3.975139
1	-1.234857	0.305911	2.277417
6	-0.227970	-2.141210	4.408582
1	0.603936	-4.037431	3.806052
1	-1.049452	-0.162966	4.690521
1	-0.132673	-2.348277	5.470724
6	-1.710906	-2.414326	-0.846018
6	-2.274345	-2.111981	-2.095811
6	-2.007446	-3.648017	-0.255421
6	-3.086250	-3.031915	-2.753671
1	-2.084898	-1.134686	-2.529538
6	-2.832381	-4.565025	-0.908816
1	-1.616566	-3.893366	0.724180
6	-3.367415	-4.263648	-2.160741
1	-3.527510	-2.772395	-3.711097
1	-3.061667	-5.514246	-0.431890
1	-4.017417	-4.974719	-2.662587
1	-2.898262	2.439483	5.137955
6	-4.584663	-0.294453	-0.840311
6	-5.447103	-0.233790	-1.948667
6	-4.653780	-1.448509	-0.036691
6	-6.345550	-1.263577	-2.235314
1	-5.419196	0.632313	-2.604512
6	-5.557521	-2.473804	-0.305297
1	-3.969598	-1.564505	0.797741
6	-6.409444	-2.384540	-1.407974
1	-6.999559	-1.186615	-3.100596
1	-5.581321	-3.352902	0.332500
1	-7.110029	-3.186760	-1.624828
1	-1.179922	1.311139	-2.240781

TS8a

45	0.382722	0.460787	0.108510
6	3.783052	3.616225	-1.730683
6	4.644402	3.468927	-2.989839
6	2.638152	2.591443	-1.683027
1	4.415760	3.501633	-0.843361
1	3.381737	4.636513	-1.676882
1	5.087776	2.466142	-3.040937
1	5.462250	4.199707	-3.012482
1	1.994488	2.723333	-2.563814
1	3.055357	1.580063	-1.769474
14	1.525028	2.578890	-0.125011
6	2.692835	2.841865	1.367025
6	3.931076	2.171272	1.424349
6	2.364562	3.664679	2.458397
6	4.788379	2.302727	2.516177
1	4.221627	1.520868	0.607173
6	3.214242	3.796855	3.559919
1	1.436243	4.227335	2.446639
6	4.429683	3.113274	3.595246
1	5.735725	1.769294	2.525039
1	2.928562	4.442952	4.386867
6	-6.916775	-0.495400	1.284641
6	-5.723210	-0.738807	0.644423
6	-4.541997	-1.031082	1.380594
6	-4.628169	-1.069883	2.807941
6	-5.869420	-0.798758	3.439637
6	-6.993170	-0.518434	2.696931
1	-7.806588	-0.276217	0.701288
1	-5.672442	-0.706212	-0.437358
6	-3.283276	-1.274439	0.741511
6	-3.466692	-1.391786	3.551365
1	-5.915012	-0.823684	4.525441
1	-7.939709	-0.318037	3.190682
6	-2.275961	-1.655622	2.921100
6	-2.160599	-1.593522	1.505577
1	-3.532831	-1.439808	4.635457
6	-4.782802	-4.599920	-2.880705
6	-4.190839	-3.565862	-3.567367
6	-3.685463	-2.431657	-2.880555
6	-3.775692	-2.369412	-1.455229
6	-4.395651	-3.456561	-0.778024
6	-4.889188	-4.537831	-1.471584
1	-3.037971	-1.379445	-4.654507

1	-5.169744	-5.462609	-3.415370	1	-5.301021	2.829542	3.549622
1	-4.103040	-3.597270	-4.650271	6	-1.721625	2.502700	-1.926479
6	-3.095263	-1.346794	-3.569492	6	-0.736093	2.355488	-2.916754
6	-3.222215	-1.244617	-0.754682	6	-2.582483	3.601228	-1.985041
1	-4.472174	-3.430892	0.301698	6	-0.646321	3.260558	-3.970562
1	-5.358765	-5.354786	-0.931057	1	-0.026668	1.534974	-2.845854
6	-2.650357	-0.190121	-1.468299	6	-2.479303	4.517851	-3.032735
6	-2.611423	-0.258593	-2.888409	1	-3.306299	3.771498	-1.198516
1	-1.406913	-1.916250	3.512594	6	-1.525781	4.343715	-4.034037
1	-2.188992	0.563232	-3.450016	1	0.121383	3.130798	-4.728049
15	-0.486022	-1.675946	0.727257	1	-3.140014	5.379442	-3.053417
15	-1.757454	1.212508	-0.621062	1	-1.450185	5.060548	-4.846645
6	-0.621839	-2.918535	-0.605308	1	5.094073	3.216479	4.449419
6	-1.302963	-4.133412	-0.446854	6	0.414462	4.124076	-0.150194
6	-0.011760	-2.625449	-1.832239	6	0.498933	5.102773	-1.153519
6	-1.376324	-5.039678	-1.501963	6	-0.547922	4.324183	0.855587
1	-1.793112	-4.356837	0.495991	6	-0.330316	6.225828	-1.150246
6	-0.089569	-3.532708	-2.888457	1	1.210933	4.983082	-1.963915
1	0.525638	-1.688405	-1.943858	6	-1.386343	5.438393	0.867035
6	-0.773827	-4.737837	-2.725328	1	-0.654119	3.586071	1.642792
1	-1.922986	-5.969363	-1.378087	6	-1.276943	6.399147	-0.139730
1	0.382758	-3.296291	-3.837550	1	-0.243926	6.961820	-1.945836
1	-0.841944	-5.441101	-3.550362	1	-2.125215	5.550569	1.656832
6	0.584848	-2.472890	1.991235	1	-1.926449	7.270835	-0.140387
6	1.038004	-1.688028	3.065468	1	4.044011	3.608295	-3.898239
6	1.057028	-3.784368	1.868980	6	3.253045	-0.892824	0.038502
6	1.915325	-2.212909	4.009996	6	2.158864	-0.329725	0.117019
1	0.719083	-0.652672	3.146027	1	1.488602	0.395866	1.257256
6	1.953295	-4.303791	2.806186	6	5.987052	-1.272422	1.258497
1	0.745385	-4.399019	1.033089	1	6.322363	-0.228765	1.151055
6	2.378348	-3.524900	3.881242	6	5.555895	-0.669897	-1.790889
1	2.259187	-1.589271	4.829901	1	5.407222	0.382594	-1.500249
1	2.319955	-5.319770	2.689146	6	4.676149	-3.505697	-0.524814
1	3.078015	-3.929215	4.607097	1	4.667224	-3.920862	0.495925
6	-2.915627	1.765283	0.675137	6	4.697316	-0.917038	-3.042809
6	-4.247983	2.099065	0.400563	1	4.989559	-0.243395	-3.860204
6	-2.455959	1.800607	1.998559	1	4.813134	-1.944359	-3.409719
6	-5.098034	2.495026	1.431814	1	3.634074	-0.752800	-2.835157
1	-4.629755	2.020466	-0.612439	6	7.051452	-0.854083	-2.092748
6	-3.310509	2.183601	3.029131	1	7.357042	-0.225636	-2.940746
1	-1.431264	1.504037	2.205290	1	7.676680	-0.575304	-1.237533
6	-4.631289	2.538011	2.746067	1	7.289864	-1.890946	-2.355129
1	-6.132607	2.740143	1.212829	6	7.235640	-2.168064	1.335080
1	-2.948801	2.194096	4.053086	1	7.861505	-1.891046	2.194465

1	6.955336	-3.220253	1.467347
1	7.859707	-2.102696	0.437514
6	5.176189	-1.378425	2.560989
1	5.807843	-1.163195	3.434623
1	4.332775	-0.683433	2.569608
1	4.767783	-2.387902	2.691544
6	5.833496	-4.166886	-1.293634
1	6.810572	-3.958273	-0.846207
1	5.708990	-5.258204	-1.324307
1	5.864965	-3.817813	-2.332469
6	3.326934	-3.860001	-1.172450
1	2.489371	-3.449470	-0.604891
1	3.254047	-3.460563	-2.190976
1	3.196903	-4.949563	-1.239546
14	4.890871	-1.620407	-0.270472

TS9a

45	-0.431657	0.255016	0.474036
6	-3.711682	3.757099	-2.215127
6	-4.933910	3.858693	-3.134259
6	-3.405431	2.307608	-1.810526
1	-2.845207	4.209437	-2.712456
1	-3.882308	4.352750	-1.309889
1	-4.772332	3.301146	-4.065769
1	-5.155497	4.899266	-3.400408
1	-4.256821	1.898560	-1.254068
1	-3.303437	1.671678	-2.701411
14	-1.879165	2.083512	-0.673053
6	-0.420555	2.697860	-1.725327
6	-0.542121	2.902805	-3.111304
6	0.780918	3.104752	-1.117926
6	0.477386	3.506910	-3.851390
1	-1.451014	2.606948	-3.627079
6	1.801003	3.711937	-1.845705
1	0.909899	2.955466	-0.056749
6	1.647712	3.922765	-3.217843
1	0.350581	3.659045	-4.920502
1	2.716155	4.007480	-1.341102
6	6.293743	1.698625	-1.226409
6	5.319034	0.842930	-0.767301
6	4.120044	0.622373	-1.504319
6	3.994476	1.264277	-2.777361
6	5.016705	2.141694	-3.225363
6	6.139136	2.368171	-2.464303
1	7.193669	1.855020	-0.638277
1	5.464007	0.319005	0.170057
6	3.068084	-0.230193	-1.028597
6	2.854562	0.991952	-3.567934
1	4.891001	2.631364	-4.187758
1	6.913186	3.045008	-2.814327
6	1.853227	0.181320	-3.099037
6	1.930917	-0.424027	-1.818235
1	2.769658	1.452409	-4.547261
6	5.929778	-4.400693	-0.305825
6	5.439935	-4.096202	0.942245
6	4.600405	-2.969375	1.139910
6	4.249452	-2.139839	0.029629
6	4.783812	-2.481275	-1.245224
6	5.597574	-3.579130	-1.407889
1	4.367523	-3.258268	3.269925
1	6.570886	-5.266012	-0.448111
1	5.685612	-4.715042	1.801470
6	4.087755	-2.645607	2.416592
6	3.346317	-1.032248	0.213117
1	4.532279	-1.873544	-2.104584
1	5.985136	-3.818815	-2.394021
6	2.823978	-0.773021	1.482823
6	3.233590	-1.586606	2.578294
1	0.984996	0.001191	-3.718902
1	2.841009	-1.380518	3.564475
15	0.430535	-1.233929	-1.107026
15	1.415085	0.404612	1.777192
6	1.041247	-2.871591	-0.549004
6	1.803665	-3.695730	-1.389297
6	0.748257	-3.304551	0.748720
6	2.264571	-4.930255	-0.938032
1	2.049494	-3.359427	-2.392184
6	1.215187	-4.537289	1.204134
1	0.167438	-2.661505	1.401668
6	1.974008	-5.350812	0.361628
1	2.871390	-5.551295	-1.589740
1	0.993991	-4.855605	2.218844
1	2.346599	-6.306880	0.718192
6	-0.676512	-1.671304	-2.514452
6	-1.328027	-0.630619	-3.196549
6	-1.040158	-2.991681	-2.811181
6	-2.278325	-0.899066	-4.176958
1	-1.090402	0.396446	-2.952356

6	-2.012232	-3.261166	-3.778005
1	-0.578679	-3.815194	-2.280020
6	-2.627791	-2.219224	-4.470359
1	-2.763884	-0.076313	-4.694394
1	-2.284190	-4.291903	-3.988688
1	-3.382185	-2.430987	-5.222717
6	2.152364	2.074625	1.948961
6	3.489228	2.344411	1.649883
6	1.302710	3.130843	2.321684
6	3.971801	3.654874	1.692156
1	4.152625	1.536686	1.373660
6	1.790053	4.432825	2.381506
1	0.254337	2.934957	2.523485
6	3.124239	4.700696	2.056275
1	5.008865	3.850686	1.433917
1	1.115953	5.238930	2.654848
1	3.497211	5.720808	2.083538
6	0.930300	0.040646	3.519145
6	-0.203820	-0.752562	3.742430
6	1.635773	0.547920	4.617985
6	-0.615635	-1.049918	5.040799
1	-0.779697	-1.096538	2.886964
6	1.220681	0.254863	5.917887
1	2.506405	1.176350	4.455677
6	0.097500	-0.547213	6.131409
1	-1.503002	-1.656707	5.198729
1	1.771274	0.657745	6.763518
1	-0.227270	-0.769249	7.144184
1	2.442096	4.395354	-3.789690
6	-2.165358	3.284828	0.754244
6	-2.928664	2.907467	1.873808
6	-1.641020	4.585910	0.725422
6	-3.143836	3.788437	2.931219
1	-3.331226	1.898904	1.926263
6	-1.848640	5.472750	1.786689
1	-1.047313	4.908902	-0.124513
6	-2.596258	5.075055	2.894347
1	-3.729715	3.470923	3.790146
1	-1.424003	6.472914	1.745177
1	-2.754794	5.760251	3.722952
1	-5.824042	3.437825	-2.650624
6	-3.406802	-0.460737	-0.099703
6	-2.360978	0.200600	-0.137581
1	-0.904872	1.204229	1.663968
6	-6.180112	-1.228623	-1.080296
1	-6.673632	-0.298868	-0.757361
6	-5.385401	-1.128369	1.980401
1	-5.524686	-0.036906	1.922228
6	-4.147965	-3.362451	0.008409
1	-4.200106	-3.550532	-1.075559
6	-4.270847	-1.387064	3.011555
1	-4.547015	-0.983045	3.995217
1	-4.090471	-2.461457	3.140777
1	-3.327128	-0.920971	2.708105
6	-6.721192	-1.739196	2.433427
1	-6.985296	-1.390044	3.441062
1	-7.543826	-1.461741	1.765508
1	-6.677537	-2.833314	2.470899
6	-7.247230	-2.335339	-1.157492
1	-8.041855	-2.058306	-1.863190
1	-6.810328	-3.274477	-1.517783
1	-7.719732	-2.539125	-0.191096
6	-5.571578	-0.988443	-2.473167
1	-6.358109	-0.781628	-3.212168
1	-4.872562	-0.148545	-2.473396
1	-5.016762	-1.868026	-2.821172
6	-5.003129	-4.426696	0.719316
1	-6.059145	-4.382734	0.434146
1	-4.637891	-5.435792	0.484699
1	-4.949198	-4.310445	1.808051
6	-2.672979	-3.495208	0.421226
1	-2.043686	-2.777769	-0.106702
1	-2.540115	-3.316447	1.494847
1	-2.293847	-4.503738	0.207293
14	-4.819823	-1.581877	0.212299

INT1a

45	-0.643987	0.388679	-1.242404
17	-2.214414	1.698409	-2.432666
6	-2.941356	0.228724	3.114126
6	-2.875399	0.960368	1.732747
6	-4.406169	-0.330709	3.094724
1	-2.221921	-0.597183	3.133156
1	-2.718685	0.870045	3.976550
1	-1.947658	0.839903	1.168858
1	-3.095576	2.028819	1.816073
1	-4.543153	-1.310433	3.561618
1	-5.100098	0.371801	3.570781

14	-4.362530	-0.086792	1.207079	15	0.751092	-1.310521	-0.920917
6	-3.822708	-1.636391	0.289326	6	2.037883	2.437665	-0.946107
6	-3.371304	-1.556267	-1.044360	6	3.021750	3.203673	-0.306748
6	-3.796074	-2.889411	0.918613	6	2.102021	2.257664	-2.332902
6	-2.894015	-2.685943	-1.709736	6	4.066489	3.759402	-1.040115
1	-3.401427	-0.606935	-1.571748	1	2.988505	3.349149	0.767219
6	-3.317169	-4.023174	0.256531	6	3.149104	2.816093	-3.066016
1	-4.142837	-2.983978	1.944713	1	1.326795	1.671366	-2.817537
6	-2.859695	-3.920902	-1.055865	6	4.135507	3.562051	-2.420920
1	-2.544856	-2.604603	-2.734311	1	4.836755	4.330892	-0.531326
1	-3.295456	-4.981594	0.768654	1	3.194179	2.663066	-4.140567
6	4.350057	-2.489688	3.437928	1	4.956456	3.989350	-2.989594
6	4.001890	-1.701508	2.364010	6	-0.137252	3.177982	0.755902
6	2.871531	-0.841314	2.422157	6	-1.304999	3.725839	0.212173
6	2.098345	-0.822986	3.625592	6	0.465730	3.810962	1.856181
6	2.476520	-1.653642	4.710823	6	-1.860257	4.883308	0.760821
6	3.580946	-2.469990	4.624120	1	-1.782140	3.243686	-0.632979
1	5.219649	-3.137326	3.371027	6	-0.093565	4.963837	2.402682
1	4.591851	-1.736084	1.456387	1	1.359809	3.392699	2.306085
6	2.462081	-0.034782	1.307996	6	-1.260268	5.503348	1.856068
6	0.954091	0.010390	3.690917	1	-2.769716	5.292250	0.330112
1	1.872531	-1.632664	5.614197	1	0.380219	5.437579	3.258020
1	3.862284	-3.101358	5.461995	1	-1.698413	6.400052	2.285437
6	0.598166	0.802132	2.630328	6	0.644353	-2.399347	0.541958
6	1.354538	0.801986	1.423519	6	1.636935	-3.341447	0.849633
1	0.350714	0.008194	4.594746	6	-0.474478	-2.277353	1.370706
6	7.044041	1.442906	-0.620143	6	1.508949	-4.148341	1.977082
6	6.419710	0.755986	-1.635528	1	2.520704	-3.419756	0.223049
6	5.136558	0.181164	-1.443923	6	-0.600028	-3.085839	2.499930
6	4.485862	0.329155	-0.178091	1	-1.237274	-1.549560	1.121543
6	5.160237	1.041644	0.850587	6	0.391736	-4.016951	2.806812
6	6.407150	1.582187	0.635973	1	2.290218	-4.860976	2.223069
1	4.976194	-0.653951	-3.431711	1	-1.473838	-2.984005	3.136457
1	8.025768	1.879771	-0.778706	1	0.300260	-4.638670	3.692924
1	6.899288	0.643847	-2.604452	6	0.430896	-2.412801	-2.355911
6	4.475074	-0.529646	-2.475178	6	0.105072	-1.801658	-3.579648
6	3.171583	-0.202819	0.001090	6	0.399308	-3.809237	-2.260531
1	4.671914	1.161733	1.810799	6	-0.245016	-2.575439	-4.685692
1	6.905043	2.125830	1.433807	1	0.105931	-0.715914	-3.651313
6	2.542541	-0.876798	-1.044604	6	0.051900	-4.580905	-3.369649
6	3.217830	-1.047152	-2.281119	1	0.620268	-4.292357	-1.315721
1	-0.286304	1.421482	2.702302	6	-0.274271	-3.967864	-4.581246
1	2.724882	-1.578904	-3.086549	1	-0.505893	-2.089831	-5.621444
15	0.630196	1.695259	-0.023953	1	0.026334	-5.663757	-3.283894

1	-0.554934	-4.572530	-5.438905	6	2.466575	-0.608762	0.819579
1	-2.476713	-4.795418	-1.573151	6	2.135048	-0.233473	3.597225
6	-5.807597	0.752975	0.366276	1	3.332052	-2.102821	5.121206
6	-7.116084	0.605850	0.856137	1	4.645426	-4.040127	4.306457
6	-5.606802	1.546129	-0.778296	6	1.602772	0.659438	2.704972
6	-8.194988	1.223815	0.222260	6	1.793836	0.510448	1.299331
1	-7.295227	0.004104	1.745005	1	1.972064	-0.105431	4.664587
6	-6.684299	2.163618	-1.414127	6	6.124825	-0.291177	-2.815903
1	-4.605263	1.683599	-1.179458	6	5.032754	-0.841427	-3.446269
6	-7.979124	2.003283	-0.915762	6	3.829110	-1.085566	-2.735814
1	-9.200897	1.099180	0.615040	6	3.753560	-0.749346	-1.347536
1	-6.510979	2.770726	-2.298743	6	4.904050	-0.193197	-0.724236
1	-8.817547	2.486170	-1.411116	6	6.057818	0.031811	-1.439452
				1	2.751977	-1.929061	-4.409572
INT6a				1	7.040228	-0.104723	-3.370270
45	-1.217205	0.514430	0.111862	1	5.072307	-1.094333	-4.502769
6	-4.148822	2.844430	-2.362102	6	2.690353	-1.645793	-3.361716
6	-3.426742	1.462310	-2.285457	6	2.524832	-0.934398	-0.640957
6	-5.148033	2.723690	-1.167757	1	4.854853	0.066239	0.327060
1	-3.425917	3.647033	-2.169172	1	6.923549	0.464700	-0.946189
1	-4.616936	3.060275	-3.330934	6	1.404209	-1.439846	-1.303034
1	-2.353578	1.478173	-2.489177	6	1.517890	-1.816973	-2.667775
1	-3.894293	0.716355	-2.939538	1	0.994346	1.480615	3.065459
1	-5.310895	3.642147	-0.595324	1	0.658898	-2.237197	-3.175679
1	-6.124615	2.354784	-1.503103	15	0.819686	1.655899	0.226581
14	-4.052191	1.299176	-0.488497	15	-0.265822	-1.422041	-0.484459
6	-2.929090	1.924079	0.894239	6	1.739365	1.854832	-1.361468
6	-2.561672	3.297068	0.968961	6	3.038055	2.380974	-1.406009
6	-2.547057	1.087766	1.984443	6	1.084332	1.555488	-2.560415
6	-1.886630	3.813896	2.060107	6	3.679762	2.571878	-2.626356
1	-2.845692	3.962767	0.157643	1	3.548195	2.635716	-0.482458
6	-1.822322	1.621008	3.076784	6	1.724404	1.751253	-3.784871
1	-2.985953	0.101635	2.084845	1	0.075682	1.153824	-2.516688
6	-1.497597	2.965760	3.114184	6	3.024776	2.254652	-3.819012
1	-1.628597	4.866821	2.094315	1	4.695189	2.955960	-2.647708
1	-1.545929	0.965031	3.898166	1	1.208978	1.504091	-4.708899
6	4.370221	-3.539772	2.212928	1	3.528256	2.400635	-4.770551
6	3.807551	-2.667780	1.307502	6	1.196883	3.345298	0.879272
6	3.062364	-1.537872	1.741244	6	0.538205	4.401939	0.230871
6	2.897803	-1.341717	3.148232	6	2.134776	3.650135	1.872044
6	3.475322	-2.264871	4.055763	6	0.798188	5.725567	0.573714
6	4.202933	-3.341661	3.601918	1	-0.183405	4.178074	-0.549498
1	4.940854	-4.392353	1.855438	6	2.384206	4.978348	2.229639
1	3.932350	-2.839690	0.245567	1	2.686392	2.857761	2.364803

6	1.716597	6.018775	1.585618
1	0.279830	6.528748	0.056938
1	3.112772	5.195788	3.006147
1	1.915173	7.050507	1.861871
6	0.001914	-2.567486	0.924907
6	0.753233	-3.742530	0.783436
6	-0.514221	-2.230484	2.181220
6	0.985562	-4.565091	1.883287
1	1.179116	-3.996858	-0.182929
6	-0.277680	-3.052906	3.282515
1	-1.071111	-1.305065	2.277667
6	0.475234	-4.218173	3.136419
1	1.586004	-5.462723	1.769290
1	-0.667769	-2.774362	4.257642
1	0.674534	-4.850569	3.996794
6	-1.319658	-2.379264	-1.657141
6	-1.784002	-1.715405	-2.804825
6	-1.768191	-3.678876	-1.403040
6	-2.654981	-2.344897	-3.689743
1	-1.480081	-0.689136	-2.984032
6	-2.659813	-4.303690	-2.280245
1	-1.440372	-4.200879	-0.511458
6	-3.101487	-3.644027	-3.425929
1	-3.003425	-1.815451	-4.572228
1	-3.008820	-5.309292	-2.061820
1	-3.795128	-4.131280	-4.105256
1	-0.947336	3.374117	3.957673
6	-4.970305	-0.250929	0.040715
6	-5.766608	-0.247237	1.197997
6	-4.875647	-1.446467	-0.692399
6	-6.436197	-1.399012	1.617018
1	-5.861536	0.664348	1.784979
6	-5.543961	-2.598755	-0.280877
1	-4.254009	-1.484853	-1.580951
6	-6.323738	-2.578204	0.878023
1	-7.042913	-1.376889	2.518760
1	-5.443983	-3.512746	-0.859910
1	-6.841268	-3.476656	1.204201
1	-2.427705	-0.521992	-0.000675