

Supporting Information

Mechanism of the N-protecting group dependent annulations of 3-aryloxy alkynyl indoles under gold catalysis: a computational study

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1. Full Citation of Gaussian 09	2
2. Other Possible Pathways Considered for Reactions of A and B	3
3. Calculated Geometries for Selected Intermediates and Transition States	7
4. IRC Plots for Selected Transition States	11
5. Calculated Energy Values	12
6. Cartesian Coordinates for All Species	14

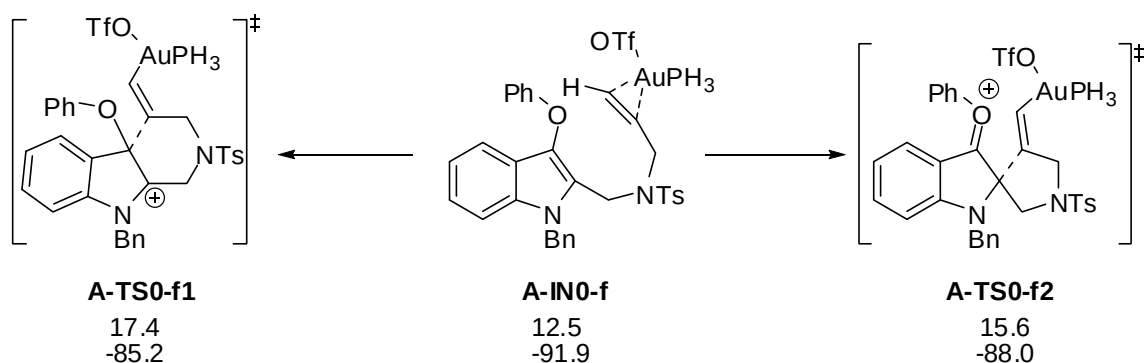
1. Full Citation of Gaussian 09

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

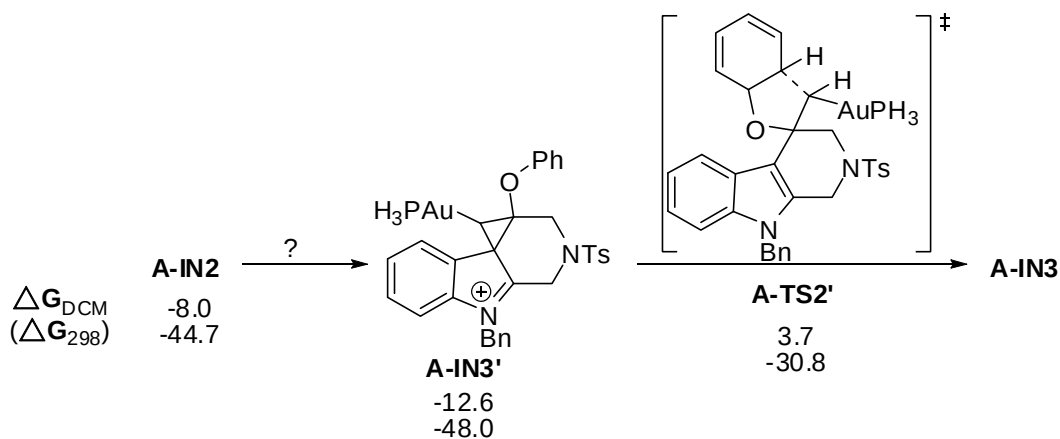
2. Other possible pathways considered for reactions of A and B

(The energies given are relative free energy in the DCM solution (upper one) and in the gas phase (bottom one))

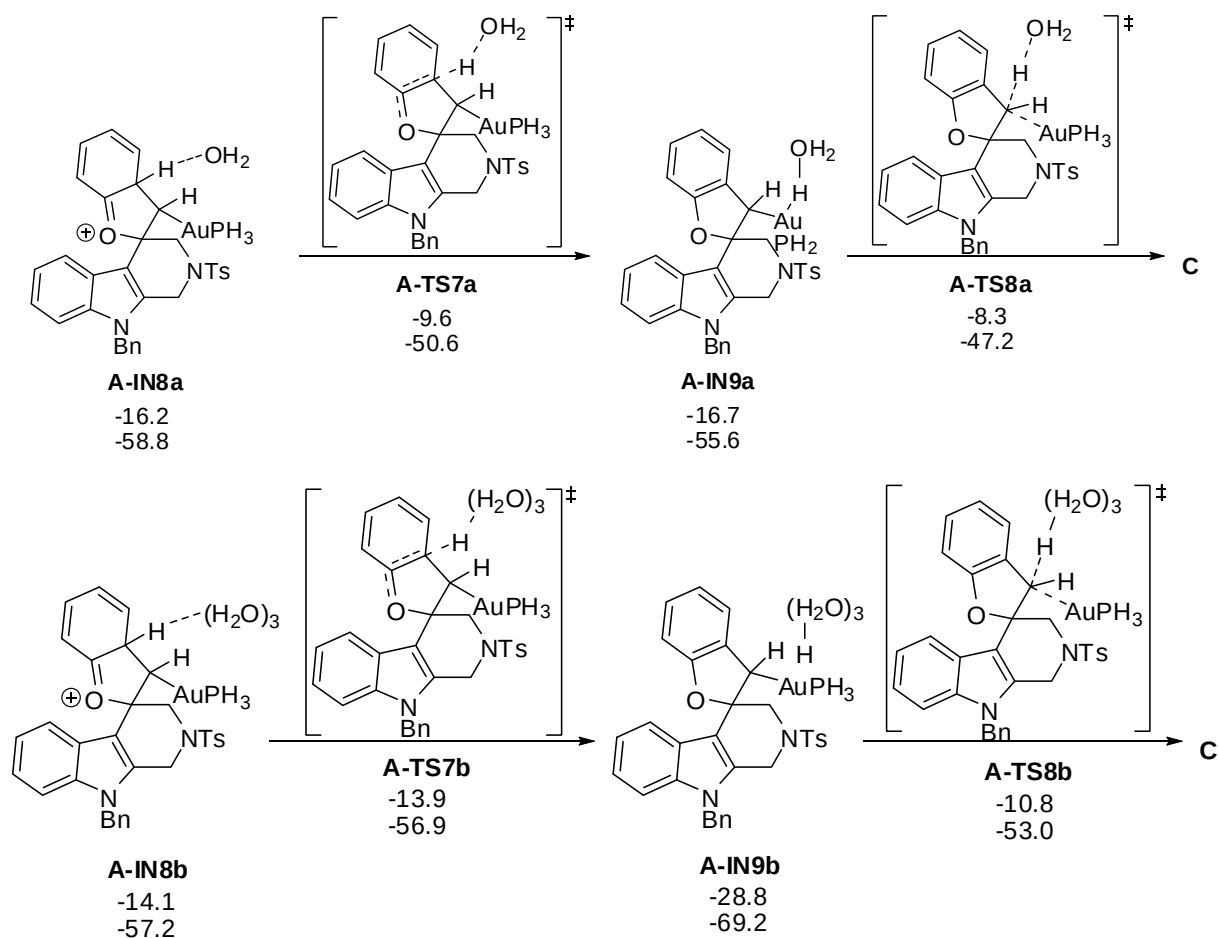
2.1 The π complex of A and PH_3AuOTf (**A-IN0-f**) will be formed with the free energy increased by 12.5 kcal/mol, and the barriers for the 5-exo-dig and 6-exo-dig cyclizations are 15.6 and 17.4 kcal/mol, respectively.



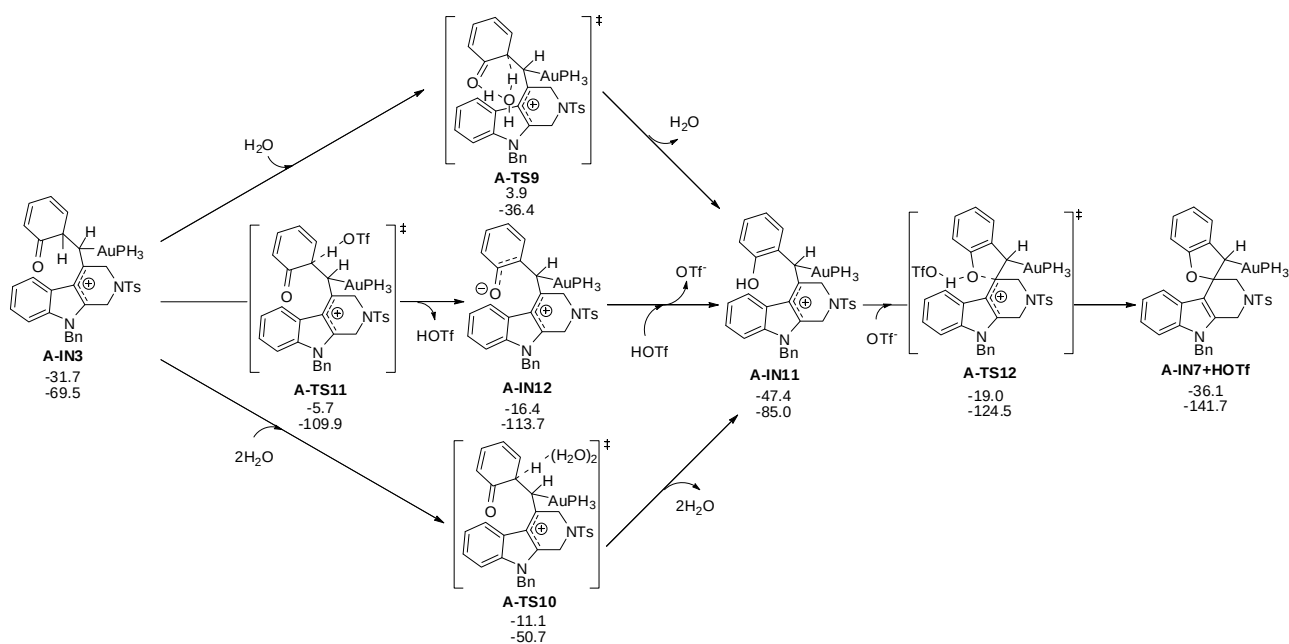
2.2 We failed to locate a 1,2-phenoxy migration from **A-IN2**. The Friedel-Crafts alkylation transition state was located as **A-TS2'**, which is higher in energy than **A-TS2** and is connected to intermediate **A-IN3'**.



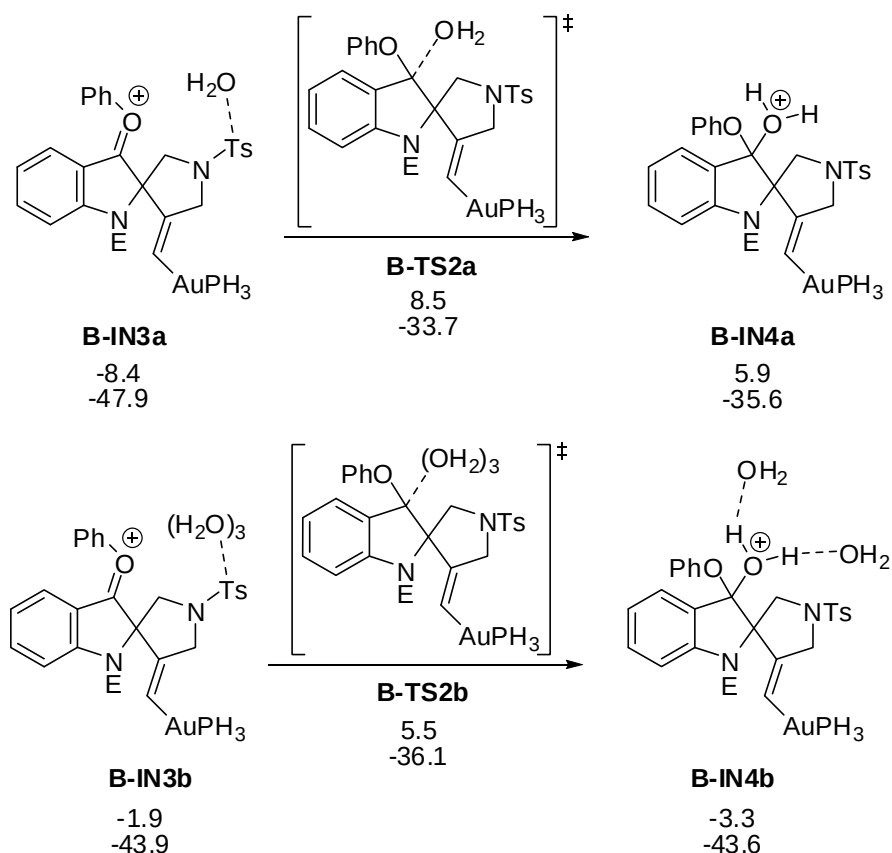
2.3 The deprotonation and protodemetalation steps from intermediate **A-IN8** by one water or by a three-water cluster (by first formations of **A-IN8a** and **A-IN8b**, respectively) are higher in energies than those given in Figure 1.



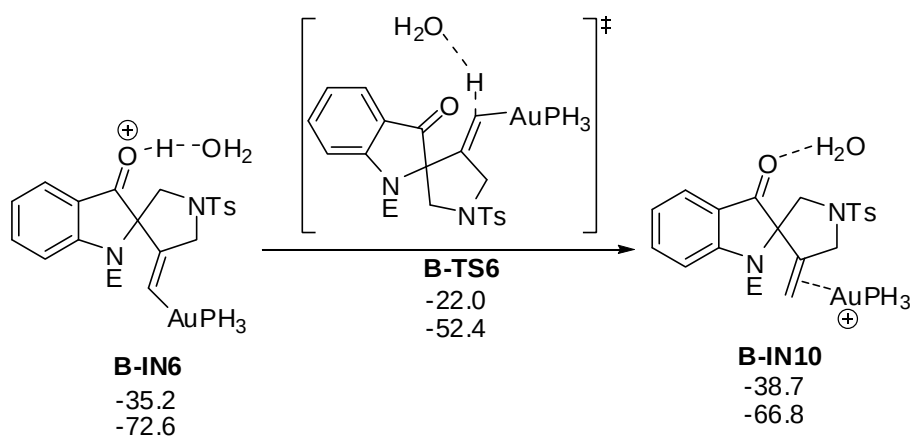
2.4 The possible channels for converting carbonyl intermediate **A-IN3** into a phenol intermediate are higher in energies than the nucleophilic addition via **A-TS3** in Figure 1.

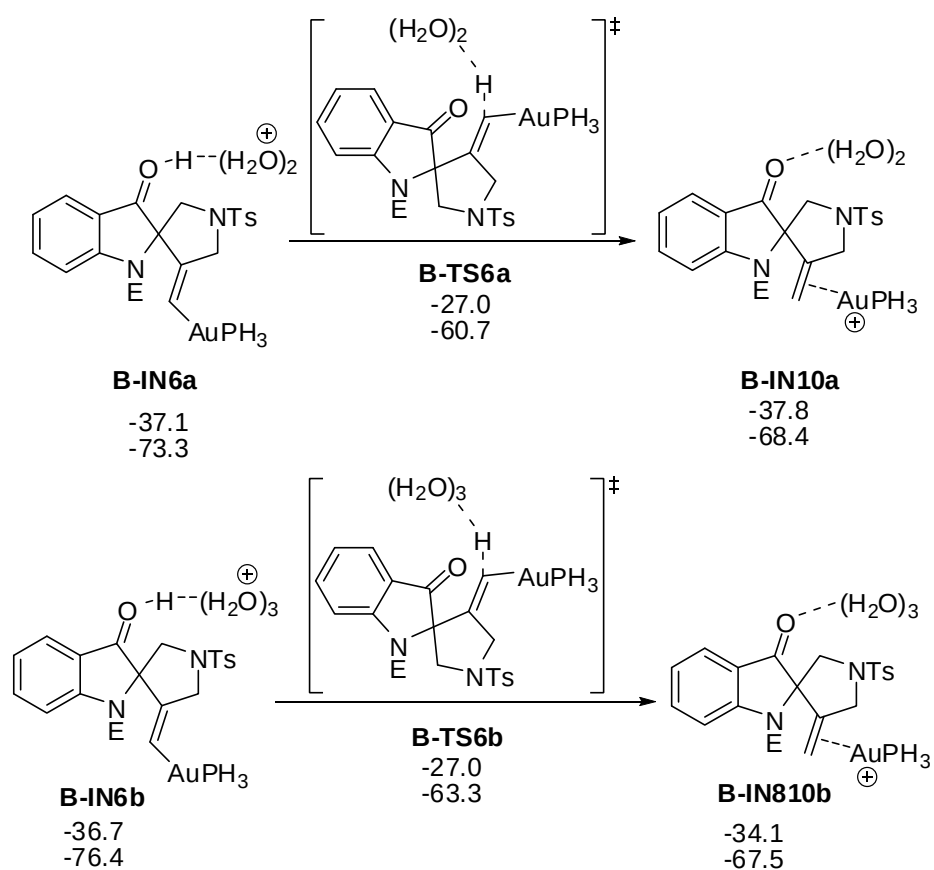


2.5 The nucleophilic addition to C3 of **B-IN3** by one water (via **B-TS2a**) or by a three-water cluster (via **B-TS2b**) are higher in energy than that by a two-water cluster given in Figure 3.



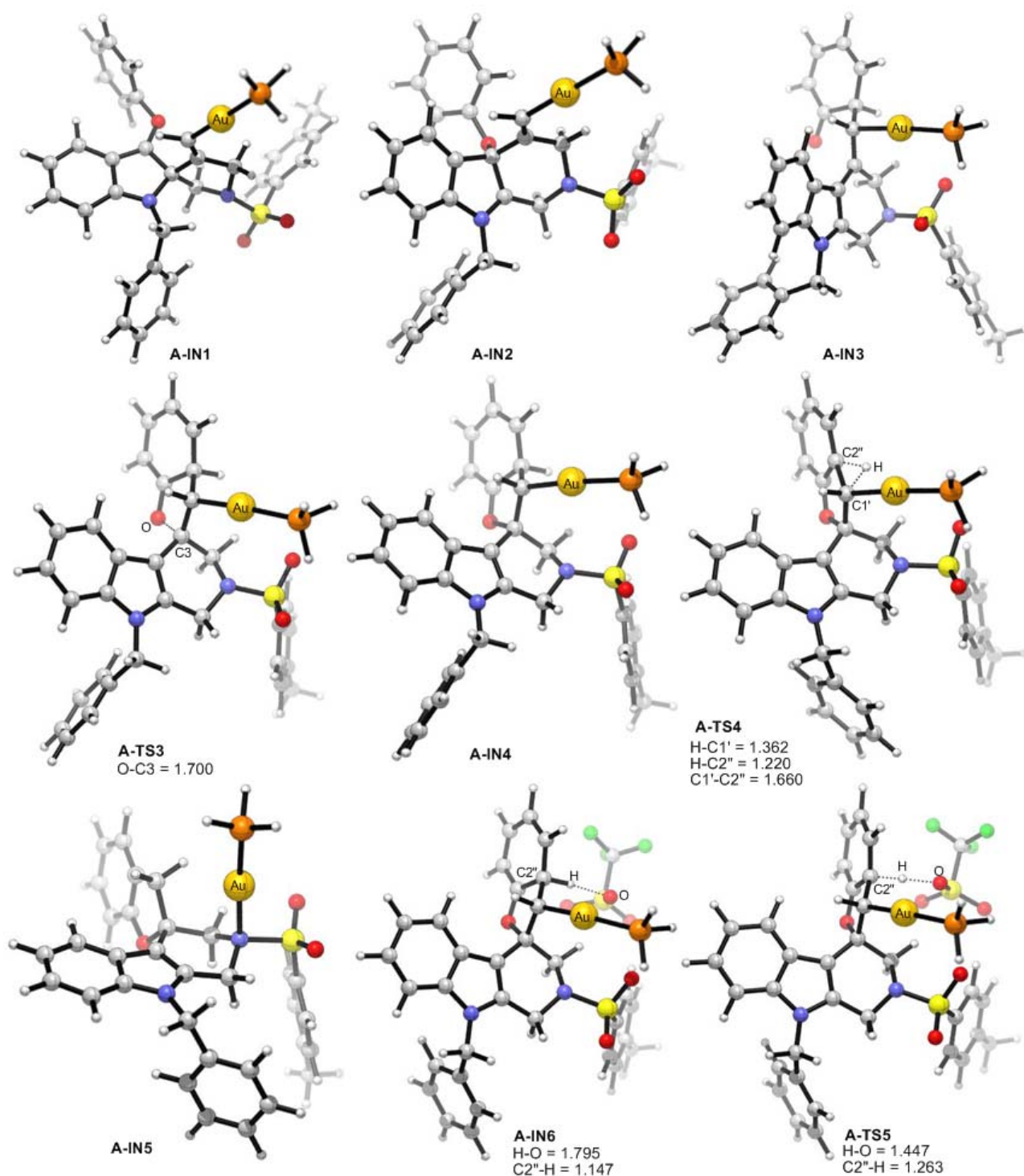
2.6 The phenol elimination intermediate **B-IN6** could be transformed into the final product with the assistance of one water, a two-water cluster, and a three-water cluster as shown below, and the two-water cluster-catalyzed pathway (via **B-TS6a**) is the most favorable.

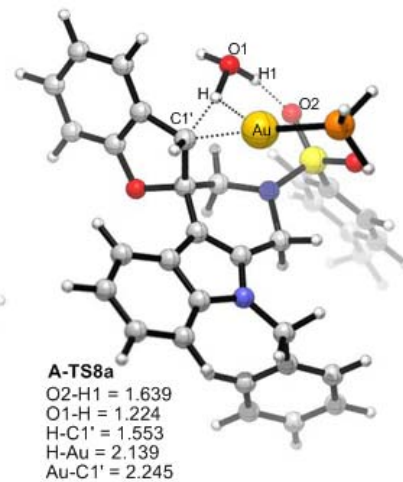
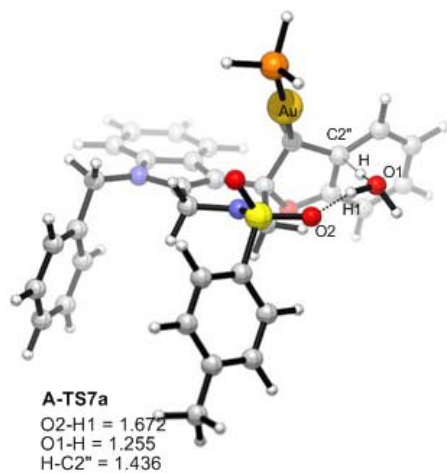
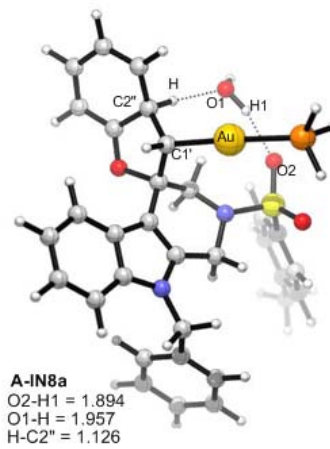
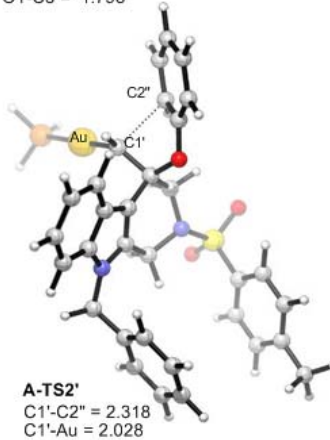
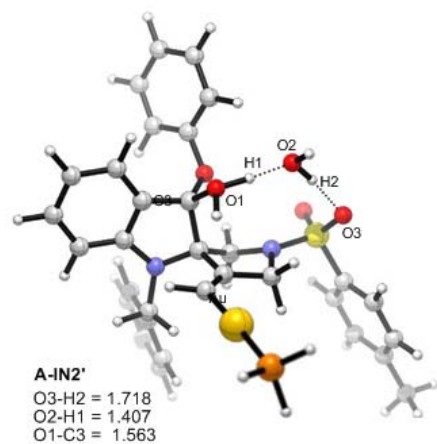
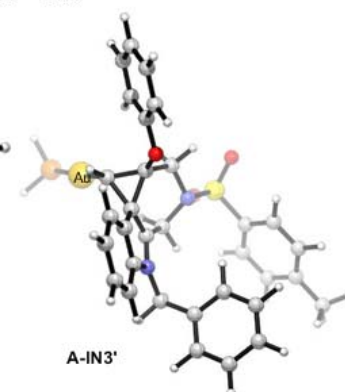
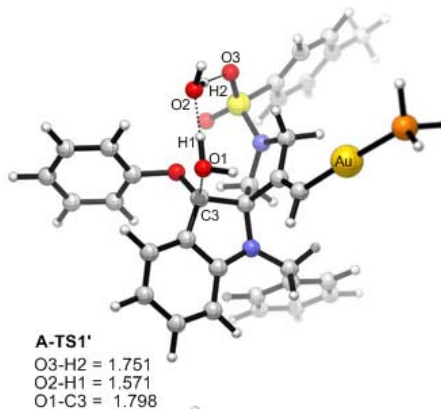
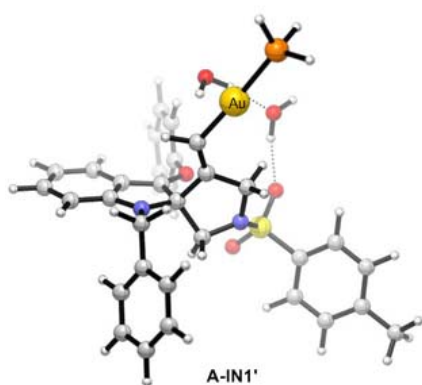
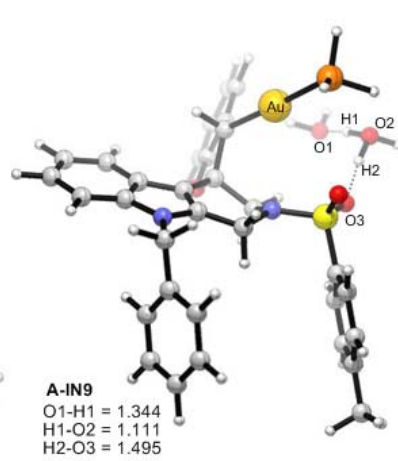
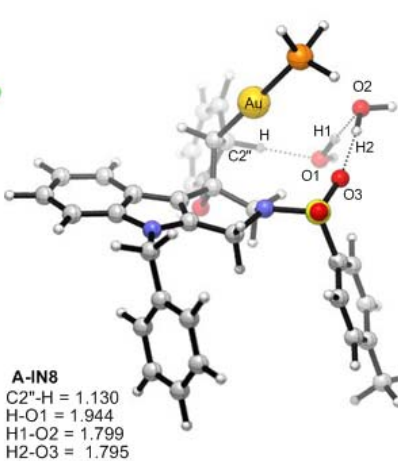
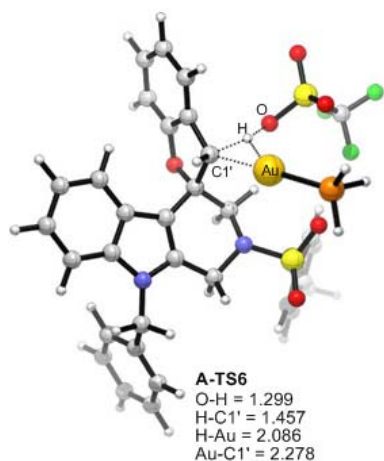


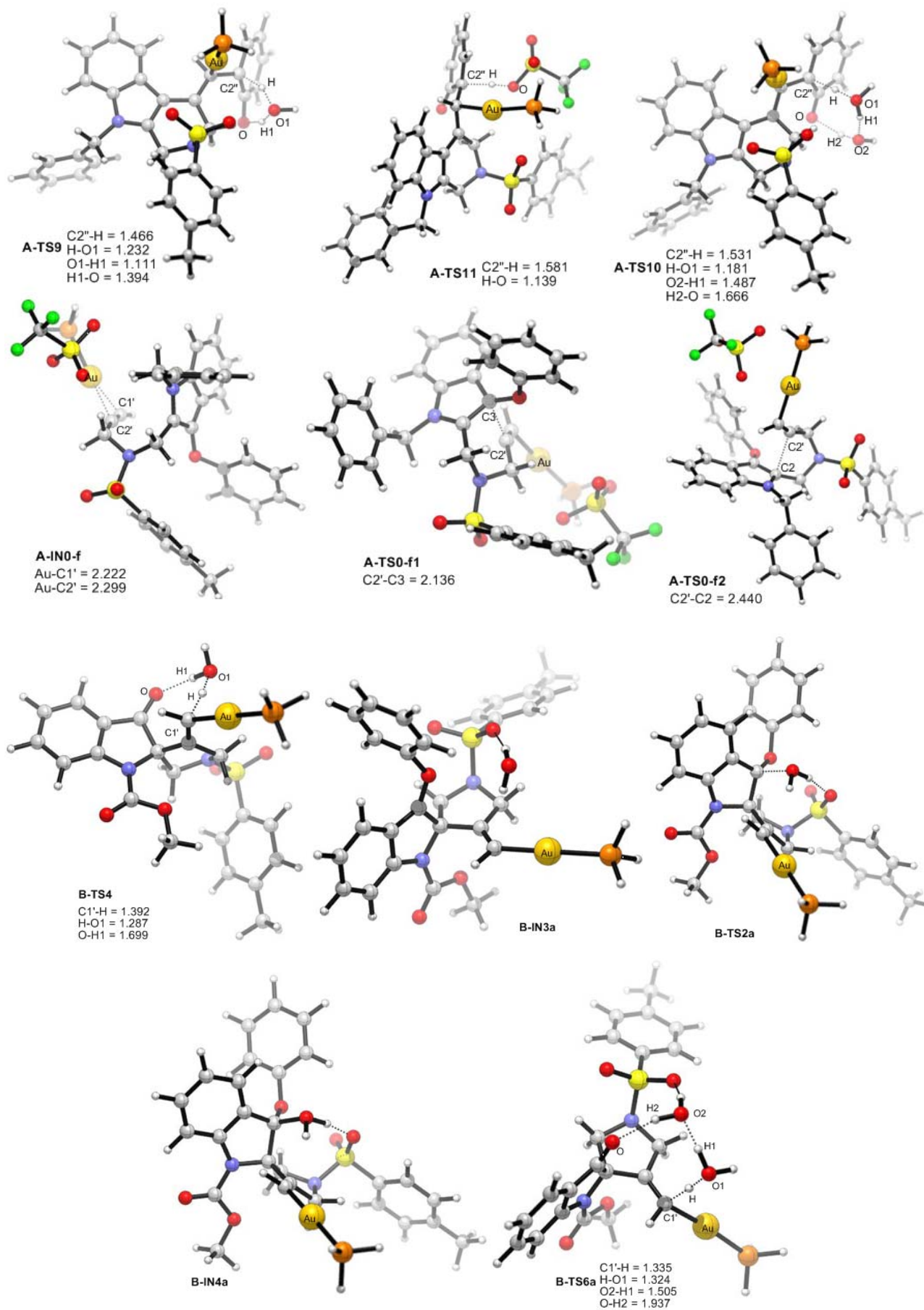


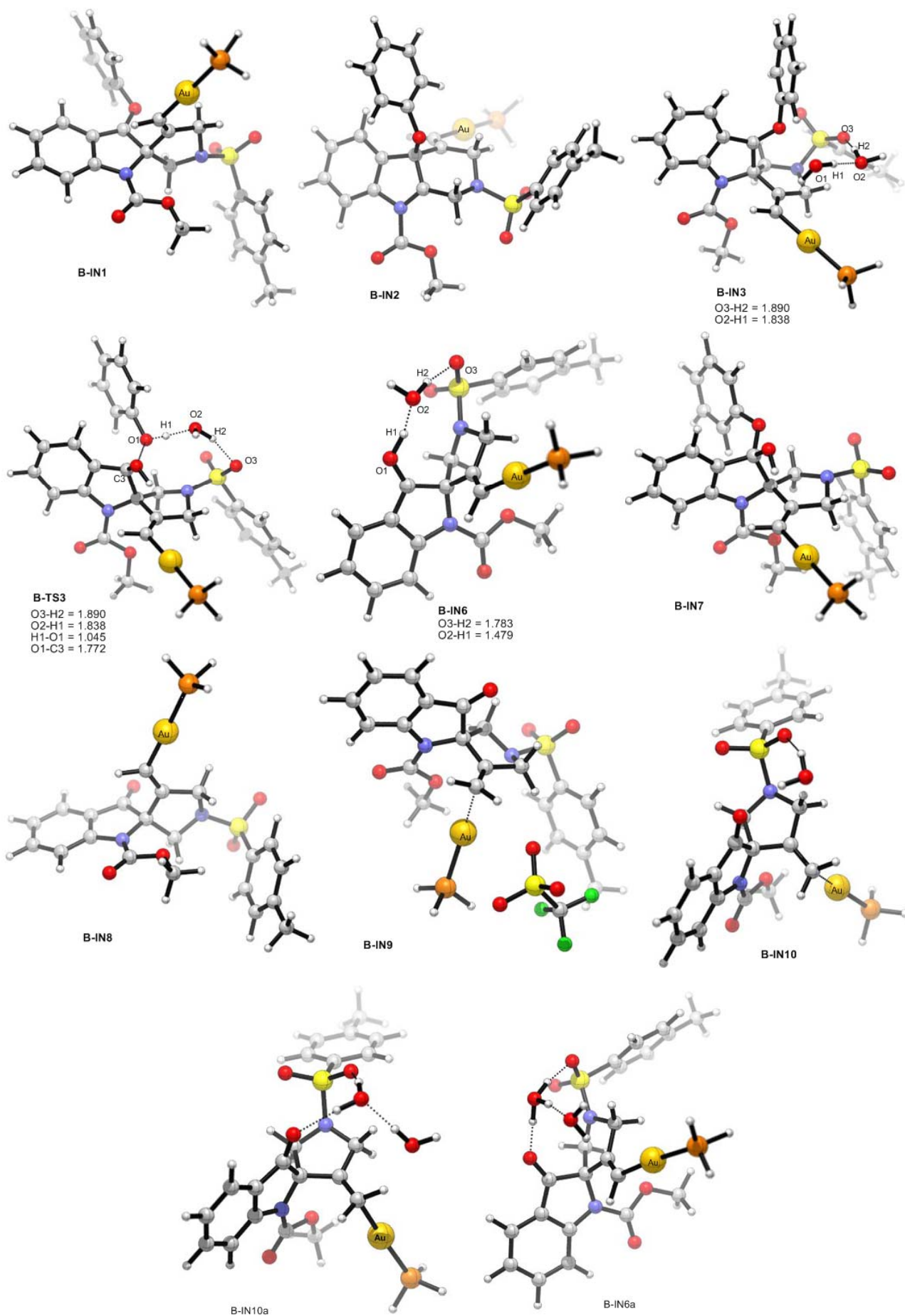
3. Calculated Geometries for Selected Intermediates and Transition States

(selected distances are in angstrom)



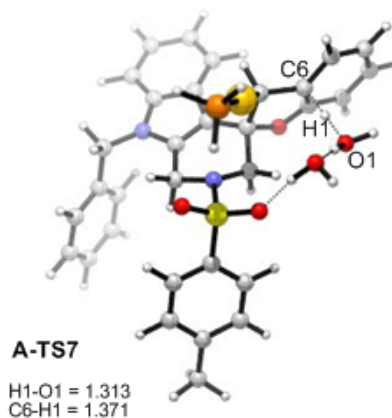
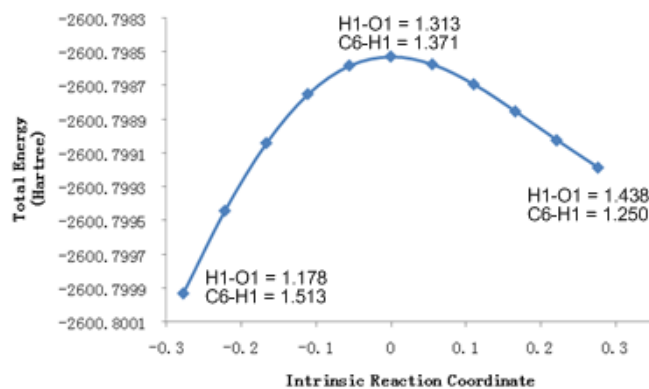




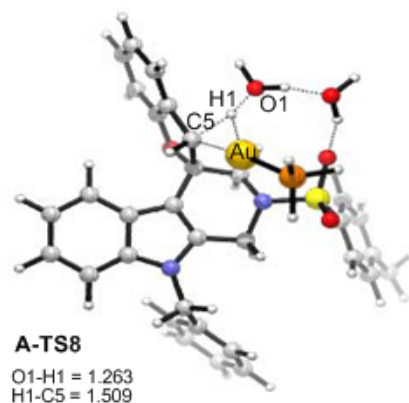
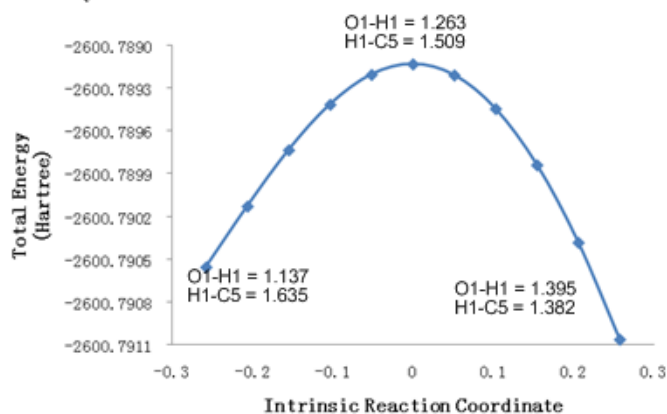


4. IRC Plots for Selected Transition States

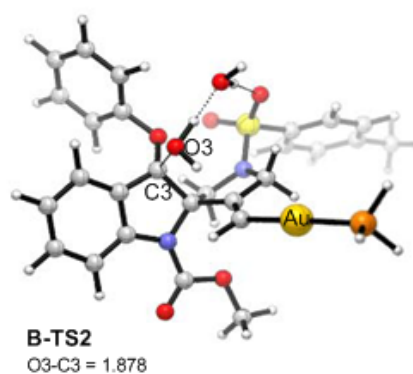
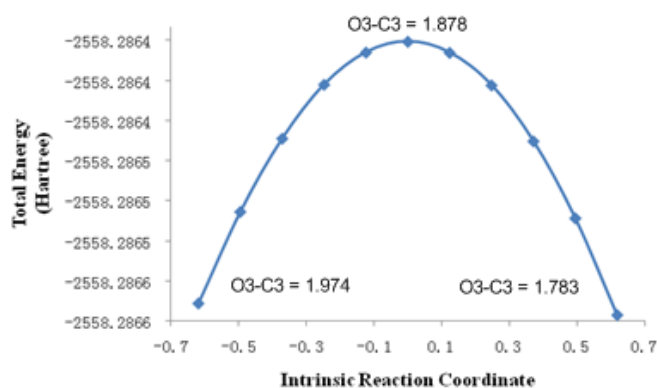
IRC analysis of A-TS7

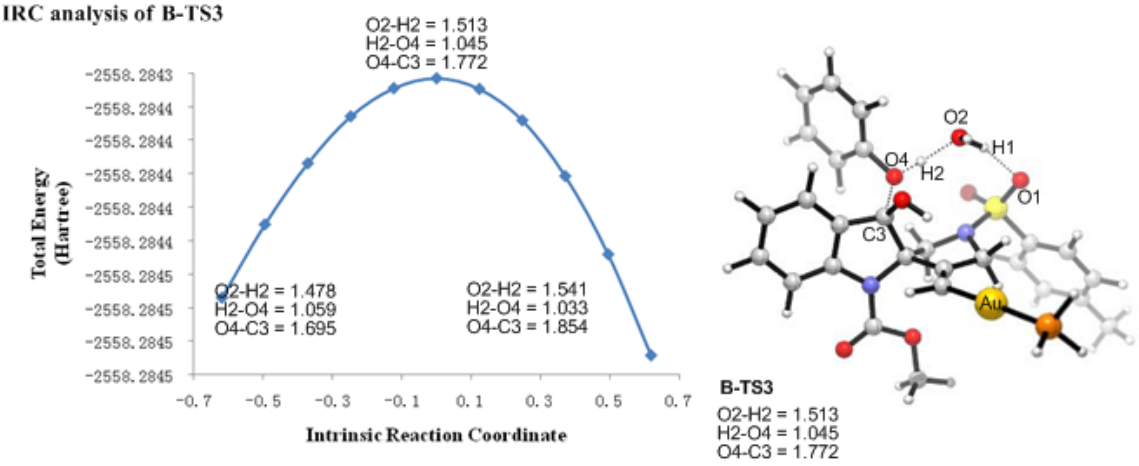


IRC analysis of A-TS8



IRC analysis of B-TS2





5. Calculated Energy Values

Table S1. Energies (in Hartree) for the reaction of N-CO₂Me indole derivative B ([Au⁺] = AuPH₃) calculated at B3LYP/6-31g*(LANL2DZ for Au) level

B	-1926.535445	-1926.502502	-1926.601551	-1926.996152	-1927.00946450
B-TS1	-2404.916815	-2404.879582	-2404.993389	-2405.4073361	-2405.46419336
B-IN2	-2404.926107	-2404.888679	-2405.002696	-2405.4180123	-2405.47298025
B-IN1	-2404.948645	-2404.910925	-2405.027873	-2405.4405046	-2405.49762512
B-IN3	-2557.758004	-2557.714479	-2557.841522	-2558.2996981	-2558.35539246
B-TS2	-2557.743720	-2557.702391	-2557.823646	-2558.2863709	-2558.33967930
B-IN4	-2557.747317	-2557.706379	-2557.826076	-2558.2897869	-2558.34702632
B-IN5	-2557.750509	-2557.709767	-2557.829375	-2558.2940857	-2558.34941029
B-TS3	-2557.741789	-2557.700883	-2557.820444	-2558.284333	-2558.34036797
B-IN6	-2250.417255	-2250.382312	-2250.488615	-2250.8532988	-2250.90856505
B-TS6	-2250.385050	-2250.350421	-2250.456390	-2250.8161205	-2250.88256228
B-IN10	-2250.407023	-2250.371403	-2250.479372	-2250.8424792	-2250.91257217
B-IN3a	-2481.353840	-2481.313318	-2481.433868	-2481.8705137	-2481.92592285
B-TS2a	-2481.335269	-2481.296826	-2481.411227	-2481.8530716	-2481.90427987
B-IN4a	-2481.338938	-2481.300638	-2481.414313	-2481.8564715	-2481.90865031
B-IN3b	-2634.156680	-2634.109857	-2634.243214	-2634.722662	-2634.77748999
B-TS2b	-2634.146118	-2634.101388	-2634.230782	-2634.7131375	-2634.76857346
B-IN4b	-2634.160240	-2634.116686	-2634.242780	-2634.7277145	-2634.78523288
B-IN6a	-2326.827437	-2326.789994	-2326.901065	-2327.2889023	-2327.34757588
B-TS6a	-2326.806940	-2326.769999	-2326.880998	-2327.2634342	-2327.32609832
B-IN10a	-2326.816339	-2326.777814	-2326.893175	-2327.2769995	-2327.34476464
B-IN6b	-2403.234065	-2403.193756	-2403.312080	-2403.7204875	-2403.77987991
B-TS6b	-2403.211615	-2403.171306	-2403.291165	-2403.6935857	-2403.75844282
B-IN10b	-2403.214703	-2403.172721	-2403.297957	-2403.6997257	-2403.76909279

B-IN7	-2480.963622	-2480.924939	-2481.041458	-2481.4703831	-2481.49560603
B-TS4	-3442.934706	-3442.887214	-3443.025204	-3443.4773674	-3443.50455906
B-IN8	-2173.628967	-2173.596398	-2173.698286	-2174.0281979	-2174.05188254
B-TS5	-3135.583040	-3135.541516	-3135.666467	-3136.016753	-3136.04619130
B-IN9	-3135.610161	-3135.568959	-3135.689624	-3136.0506389	-3136.08154703
D	-1695.639067	-1695.611728	-1695.698527	-1696.0209785	-1696.03663960

Table S2. Energies (in Hartree) for the reaction of N-benzyl indole derivative **A** ($[\text{Au}^+] = \text{AuPH}_3$) calculated at B3LYP/6-31g*(LANL2DZ for Au) level

Species	E_0^a	H_{298}^b	G_{298}^c	E^d	G_{DCM}^e
H₂O	-76.387786	-76.384007	-76.406108	-76.4089538	-76.4152018146
(H₂O)₂	-152.783912	-152.777324	-152.810518	-152.830336	-152.838416283
(H₂O)₃	-229.193356	-229.185758	-229.221766	-229.2675347	-229.277212451
AuPH₃⁺	-478.322168	-478.317499	-478.349922	-478.350104	-478.448884485
OTf	-961.470707	-961.462594	-961.503228	-961.4979777	-961.576334580
HOTf	-961.960572	-961.951771	-961.993709	-961.999128	-962.006289542
A	-1968.949206	-1968.914415	-1969.020280	-1969.4756101	-1969.49104182
A-IN1	-2447.369855	-2447.330740	-2447.449335	-2447.9288178	-2447.98329307
A-TS1	-2447.340922	-2447.302143	-2447.419671	-2447.8981793	-2447.95386986
A-IN2	-2447.361765	-2447.322965	-2447.441405	-2447.9210385	-2447.97677284
A-TS2	-2447.347777	-2447.308903	-2447.426381	-2447.9047474	-2447.95923732
A-IN3	-2447.402150	-2447.363169	-2447.481006	-2447.9614863	-2448.01546552
A-TS3	-2447.384589	-2447.346950	-2447.459591	-2447.9442822	-2447.99840062
A-IN4	-2447.384282	-2447.345967	-2447.460806	-2447.9442895	-2447.99862761
A-TS4	-2447.347316	-2447.309460	-2447.423030	-2447.9032089	-2447.95676171
A-IN5	-2447.427100	-2447.389182	-2447.503207	-2447.9890687	-2448.05059285
A-IN6	-3408.969096	-3408.922246	-3409.057243	-3409.557454	-3409.58484963
A-TS5	-3408.971411	-3408.925070	-3409.059846	-3409.5559922	-3409.57964855
A-IN7	-2447.029518	-2446.991843	-2447.105549	-2447.578211	-2447.59525399
A-TS6	-3408.961427	-3408.914766	-3409.050568	-3409.5449794	-3409.56993343
A-IN8	-2600.195309	-2600.151647	-2600.277507	-2600.8056148	-2600.85910128
A-TS7	-2600.192142	-2600.149674	-2600.273694	-2600.79853	-2600.85385757
A-IN9	-2600.203770	-2600.160783	-2600.286354	-2600.8122108	-2600.87379632
A-TS8	-2600.182559	-2600.140271	-2600.263382	-2600.7891326	-2600.84716713
A-IN1'	-2600.175656	-2600.130613	-2600.261825	-2600.7841383	-2600.83874718
A-TS1'	-2600.155855	-2600.113032	-2600.239449	-2600.7648064	-2600.81723804
A-IN2'	-2600.157993	-2600.115380	-2600.240159	-2600.7669498	-2600.82248012
A-IN3'	-2447.370189	-2447.332522	-2447.446704	-2447.9296786	-2447.98748436
A-TS2'	-2447.340576	-2447.302434	-2447.419239	-2447.8988504	-2447.95811520
A-IN8a	-2523.790348	-2523.749225	-2523.869942	-2524.3753325	-2524.41313836
A-TS7a	-2523.780731	-2523.741112	-2523.856999	-2524.3622029	-2524.41723034
A-IN9a	-2523.787400	-2523.747244	-2523.864864	-2524.3706066	-2524.42912835

A-TS8a	-2523.773575	-2523.733892	-2523.851491	-2524.3545754	-2524.41313836
A-IN8b	-2676.595145	-2676.548238	-2676.683076	-2677.2294277	-2677.28467427
A-TS7b	-2676.596757	-2676.550877	-2676.682588	-2677.2281234	-2677.28354830
A-IN9b	-2676.617035	-2676.571657	-2676.702216	-2677.2521385	-2677.31170757
A-TS8b	-2676.591518	-2676.546068	-2676.676399	-2677.2228889	-2677.27950585
A-IN0-f	-3408.925206	-3408.875952	-3409.019878	-3409.5094168	-3409.53560548
A-TS0-f1	-3408.919522	-3408.871926	-3409.009267	-3409.5051063	-3409.53418934
A-TS0-f2	-3408.920491	-3408.872256	-3409.013587	-3409.5047289	-3409.53166710
A-TS9	-2523.754549	-2523.714254	-2523.834327	-2524.3334908	-2524.38975226
A-IN11	-2447.428004	-2447.389176	-2447.505692	-2447.9879733	-2448.04223824
A-TS10	-2600.179123	-2600.136292	-2600.261491	-2600.7838086	-2600.84294446
A-TS11	-3408.960277	-3408.913026	-3409.048637	-3409.5424251	-3409.56889765
A-IN12	-2446.983465	-2446.944945	-2447.060916	-2447.5292616	-2447.55965365
A-TS12	-3408.983932	-3408.937414	-3409.071804	-3409.5713469	-3409.59574505
C	-1969.048586	-1969.016138	-1969.116652	-1969.5808722	-1969.59575557

- a Sum of electronic and zero-point energies
b Sum of electronic and thermal enthalpies
c Sum of electronic and thermal free energies
d Electronic energies
e Total free energy in solution

6. Cartesian Coordinates for All Species

H₂O				9	-1.855644	-0.719743	-1.085866
8	-0.669768	-0.086491	-0.034203	9	-1.758436	-0.777560	1.088214
1	0.297629	-0.037177	-0.034203	9	-1.747782	1.136778	0.049695
1	-0.946210	0.841882	-0.034203	1	1.083858	1.539237	1.016470
(H₂O)₂				PhOH			
8	-0.062419	0.353043	-0.326120	8	-0.459603	0.452631	0.190822
1	-0.102192	0.155037	-1.274037	1	-0.842992	0.505626	-0.698409
1	-0.228686	1.311100	-0.280823	6	0.901466	0.355922	0.081776
1	1.272317	2.943661	1.098840	6	1.635645	0.267828	1.269981
8	1.280288	2.738996	0.151236	6	1.560357	0.343885	-1.151883
1	1.545892	1.803829	0.117453	6	3.023580	0.167635	1.214921
(H₂O)₃				1	1.103930	0.279472	2.216273
8	-0.992411	1.397977	-1.553054	6	2.952216	0.242972	-1.192932
1	-0.462174	2.161464	-1.827875	1	0.987249	0.413002	-2.075183
1	-1.795594	1.795968	-1.136094	6	3.691463	0.154335	-0.013465
8	-0.667112	0.762899	1.096477	1	3.588609	0.099314	2.140903
1	-0.511458	0.874146	0.126561	1	3.455986	0.234219	-2.155971
1	-0.804688	-0.189506	1.210103	1	4.774010	0.076061	-0.048935
8	-2.845657	2.235562	0.287200	AuPH₃⁺			
1	-3.652170	1.699408	0.317849	79	1.463144	1.831691	-0.000025
1	-2.199028	1.751460	0.856256	15	-0.822899	1.831646	0.000004
OTf				1	-1.375691	2.435086	1.140151
16	0.558355	-0.124413	0.000000	1	-1.375624	2.517433	-1.092640
8	0.876085	0.598673	1.252479	1	-1.375663	0.542559	-0.047490
8	0.875914	-1.570694	-0.000081	A			
8	0.876085	0.598814	-1.252398	6	-3.137843	-0.802212	-0.365027
6	-1.308810	-0.124561	0.000000	6	-1.772820	-0.620648	-0.008991
9	-1.813855	-0.751548	-1.086300	6	-1.128165	0.593386	-0.303095
9	-1.813854	-0.751807	1.086150	6	-1.849744	1.596540	-0.932987
9	-1.813405	1.129769	0.000149	6	-3.207087	1.410201	-1.270445
HOTf				6	-3.866864	0.219966	-0.991012
16	0.513697	-0.190917	-0.114796	6	-2.433844	-2.715176	0.613099
8	0.878039	0.614827	1.257201	6	-1.370399	-1.843150	0.614800
8	0.921732	-1.567833	0.065276	1	-0.085131	0.737781	-0.038129
8	0.904895	0.628456	-1.252884	1	-1.367158	2.540683	-1.169547
6	-1.351805	-0.136655	-0.001886	1	-3.750721	2.214764	-1.758029
				1	-4.913808	0.097300	-1.251898
				7	-3.522319	-2.076676	0.012633

8	-0.105105	-2.166247	1.052358	6	-1.198733	-2.371726	3.121786
6	0.434910	-1.453449	2.107536	6	-0.851552	-1.520160	4.090756
6	1.830186	-1.450901	2.197733	1	-1.108414	-0.469469	3.938688
6	-0.338895	-0.794643	3.065992	16	-2.085600	-5.947157	1.639069
6	2.450465	-0.786797	3.254719	8	-2.116227	-6.662961	2.911927
1	2.403492	-1.965809	1.433757	8	-3.188203	-5.982613	0.674902
6	0.296716	-0.132048	4.117986	6	-0.579386	-6.380106	0.778365
1	-1.420643	-0.801652	2.986158	6	0.518886	-6.851738	1.505039
6	1.688263	-0.123656	4.220841	6	-0.512313	-6.233476	-0.610840
1	3.535869	-0.777907	3.315783	6	1.694645	-7.165949	0.827016
1	-0.307076	0.380456	4.862407	1	0.439052	-6.997817	2.577100
1	2.174502	0.397608	5.040370	6	0.673063	-6.554064	-1.269323
6	-2.475069	-4.113354	1.150218	1	-1.385840	-5.906185	-1.164796
1	-1.925636	-4.120129	2.095456	6	1.792602	-7.023858	-0.565804
1	-3.504154	-4.419104	1.378146	1	2.547415	-7.540725	1.387123
6	-2.485476	-5.410160	-1.013145	1	0.725587	-6.451893	-2.350194
1	-3.566904	-5.561008	-0.861638	6	3.058077	-7.406778	-1.293803
1	-2.082275	-6.360848	-1.373845	1	3.177113	-6.836660	-2.220448
6	-2.261232	-4.381021	-2.029999	1	3.944386	-7.242744	-0.672697
6	-2.107180	-3.574526	-2.914483	1	3.042581	-8.470501	-1.564714
1	-1.952367	-2.842817	-3.674702	79	0.083819	-1.970006	5.839898
16	-1.372704	-6.539248	1.129636	15	1.157235	-2.456493	7.929256
8	-2.427231	-6.918129	2.083427	1	1.435376	-1.379507	8.794174
8	-0.926751	-7.499161	0.112204	1	0.492814	-3.317225	8.825297
6	0.041794	-5.975260	2.068596	1	2.423826	-3.073610	7.902583
6	0.004568	-6.050334	3.460134	6	-4.278138	-2.124671	3.035176
6	1.186020	-5.536284	1.397171	1	-3.773185	-3.033544	3.365279
6	1.129411	-5.663259	4.188564	1	-4.402812	-1.481033	3.913690
1	-0.891472	-6.409130	3.954938	6	-5.631365	-2.464549	2.436153
6	2.297741	-5.158439	2.141723	6	-5.763927	-3.489349	1.488035
1	1.199195	-5.488746	0.313705	6	-6.780814	-1.796622	2.877733
6	2.285858	-5.206439	3.545453	6	-7.018619	-3.810367	0.969837
1	1.105054	-5.715709	5.274047	1	-4.899934	-4.071556	1.179779
1	3.192302	-4.817168	1.626657	6	-8.037648	-2.119720	2.361521
6	3.481809	-4.739116	4.338085	1	-6.698602	-1.031983	3.648455
1	3.475268	-3.644928	4.429315	6	-8.156730	-3.122439	1.398784
1	3.482071	-5.155558	5.350205	1	-7.107712	-4.612028	0.242445
1	4.421916	-5.021322	3.851766	1	-8.919591	-1.595241	2.717960
6	-4.860888	-2.625542	-0.146180	1	-9.132574	-3.378740	0.996544
1	-4.788817	-3.635398	-0.560960				
1	-5.356772	-2.025969	-0.916405	A-TS1			
6	-5.700171	-2.645247	1.123604	6	-3.672423	-0.668324	1.484214
6	-6.557774	-3.722656	1.373148	6	-2.430962	-0.417624	0.856663
6	-5.663511	-1.582964	2.035702	6	-2.126877	0.864802	0.383289
6	-7.370025	-3.739219	2.508563	6	-3.071400	1.871715	0.558254
1	-6.589258	-4.557975	0.676382	6	-4.291588	1.614407	1.208560
6	-6.471555	-1.599948	3.172375	6	-4.612446	0.346140	1.685788
1	-4.998269	-0.742657	1.856282	6	-2.587793	-2.644668	1.503636
6	-7.328103	-2.676962	3.411889	6	-1.711236	-1.690176	0.868668
1	-8.026218	-4.586129	2.689946	1	-1.181840	1.070557	-0.104595
1	-6.432021	-0.769960	3.872948	1	-2.862179	2.871459	0.191414
1	-7.954937	-2.689520	4.299360	1	-5.005843	2.422032	1.337416
7	-1.811400	-5.114970	0.271652	1	-5.561674	0.150585	2.170444
				7	-3.765741	-2.026669	1.830983
A-IN1				8	-0.803732	-2.138050	-0.027019
6	-3.437129	-0.200968	1.643654	6	0.263804	-1.329059	-0.460068
6	-2.227625	0.226313	0.966641	6	0.572912	-1.420821	-1.814836
6	-2.146873	1.534234	0.391389	6	1.014869	-0.547213	0.415450
6	-3.226987	2.366688	0.506138	6	1.659830	-0.698637	-2.308230
6	-4.411212	1.935546	1.181927	1	-0.033260	-2.048570	-2.459743
6	-4.537904	0.686826	1.745826	6	2.096205	0.175303	-0.097491
6	-1.977847	-1.975568	1.830489	1	0.767485	-0.500713	1.470015
6	-1.349355	-0.844106	1.065344	6	2.420958	0.102691	-1.453209
1	-1.247673	1.854687	-0.118290	1	1.907330	-0.760858	-3.363624
1	-3.195017	3.364528	0.081964	1	2.688234	0.791372	0.572974
1	-5.248601	2.624725	1.247595	1	3.264043	0.665548	-1.841600
1	-5.455648	0.378479	2.227845	6	-2.394103	-4.141526	1.418061
7	-3.329231	-1.455206	2.112807	1	-3.329869	-4.676003	1.583062
8	-0.128372	-1.048008	0.619500	1	-2.031178	-4.374150	0.404178
6	0.569901	-0.055569	-0.114576	7	-1.426120	-4.501737	2.459454
6	0.445480	-0.036212	-1.498941	6	-0.379745	-3.479327	2.585205
6	1.415356	0.801199	0.580446	1	0.343925	-3.516308	1.756542
6	1.187729	0.907098	-2.213879	1	0.150790	-3.624965	3.526536
1	-0.209993	-0.740714	-2.000823	6	-1.118619	-2.166763	2.618342
6	2.149857	1.737776	-0.150901	6	-1.180050	-1.238754	3.577095
1	1.497848	0.729094	1.660194	1	-1.809514	-0.367612	3.397133
6	2.034007	1.793491	-1.542411	16	-1.015680	-6.145114	2.627117
1	1.106365	0.942440	-3.295885	8	-0.131865	-6.182910	3.791174
1	2.816546	2.418441	0.369542	8	-2.300336	-6.841929	2.570533
1	2.610123	2.521859	-2.104558	6	-0.066605	-6.599037	1.182112
6	-1.984935	-3.298051	1.010154	6	1.321881	-6.428241	1.186418
1	-2.871360	-3.400262	0.384776	6	-0.723802	-7.111984	0.059036
1	-1.082891	-3.324071	0.378649	6	2.048930	-6.764836	0.046990
7	-1.954674	-4.308157	2.064525	1	1.823095	-6.068749	2.078896
6	-0.971840	-3.875221	3.069356	6	0.022725	-7.442583	-1.070213
1	0.061339	-4.105941	2.758222	1	-1.795344	-7.279679	0.085589
1	-1.167441	-4.363756	4.025060	6	1.415563	-7.275587	-1.096777

1	3.128861	-6.641860	0.049608	6	-6.210083	-2.574563	1.848906
1	-0.483495	-7.850694	-1.941151	6	-6.066862	-3.141041	0.576030
6	2.219090	-7.674765	-2.310399	6	-7.470334	-2.130314	2.266054
1	1.628237	-7.594425	-3.228164	6	-7.170409	-3.255856	-0.269017
1	3.114061	-7.054385	-2.421439	1	-5.094766	-3.489566	0.234276
1	2.553524	-8.717113	-2.227998	6	-8.575939	-2.253689	1.422698
79	-0.212956	-1.303188	5.373853	1	-7.593061	-1.697558	3.256469
15	0.868360	-1.373266	7.504778	6	-8.426782	-2.814050	0.153368
1	0.721608	-0.258631	8.352456	1	-7.049997	-3.693163	-1.255754
1	0.492438	-2.409235	8.380895	1	-9.549871	-1.909774	1.757752
1	2.268419	-1.522241	7.525974	1	-9.285165	-2.906931	-0.505152
6	-4.727551	-2.548377	2.815989	A-TS2			
1	-4.393715	-3.555746	3.081523	6	-3.563909	-0.207156	2.099325
1	-4.643409	-1.943926	3.728193	6	-2.198809	0.156878	2.188432
6	-6.161750	-2.565474	2.321217	6	-1.807419	1.414705	1.716336
6	-6.482512	-3.022509	1.036875	6	-2.771413	2.260191	1.157738
6	-7.191761	-2.169376	3.182376	6	-4.112146	1.870873	1.073440
6	-7.812698	-3.080775	0.621513	6	-4.531734	0.624092	1.552726
1	-5.692271	-3.326273	0.354824	6	-2.524751	-1.933866	3.083557
6	-8.524128	-2.233836	2.769275	6	-1.513260	-0.958588	2.822183
1	-6.953742	-1.816209	4.183492	1	-0.781892	1.754505	1.799584
6	-8.836555	-2.688367	1.487427	1	-2.474220	3.238137	0.792098
1	-8.050277	-3.434615	-0.377556	1	-4.843992	2.545930	0.641210
1	-9.314402	-1.926127	3.447774	1	-5.576982	0.338760	1.497830
1	-9.871918	-2.735807	1.163145	7	-3.715117	-1.498745	2.658220
A-IN2				8	-1.243428	-2.211188	0.638395
6	-3.682046	-0.551043	1.827833	6	-0.268334	-1.583807	0.163871
6	-2.381265	-0.330286	1.365082	6	-0.447598	-0.508773	-0.806569
6	-2.016243	0.944085	0.946889	6	1.104439	-1.901630	0.575119
6	-2.973961	1.966402	1.011803	6	0.637786	0.072070	-1.402124
6	-4.265369	1.720662	1.487134	1	-1.465379	-0.247343	-1.075972
6	-4.647453	0.441632	1.908745	6	2.186847	-1.298390	-0.089685
6	-2.706440	-2.580705	1.934773	1	1.241268	-2.774653	1.203641
6	-1.624313	-1.639702	1.431905	6	1.962400	-0.332873	-1.055167
1	-1.018060	1.145772	0.575296	1	0.503172	0.835829	-2.163069
1	-2.706473	2.966534	0.685441	1	3.200173	-1.607207	0.149774
1	-4.988396	2.529091	1.526615	1	2.802794	0.115483	-1.577557
1	-5.654236	0.243962	2.257328	6	-2.288157	-3.247263	3.755533
7	-3.813273	-1.941261	2.188263	1	-2.765819	-3.231779	4.749177
8	-1.239308	-2.197015	0.155347	1	-2.747991	-4.058780	3.183893
6	-0.479793	-1.410868	-0.714659	7	-0.860655	-3.513313	3.868158
6	-1.083391	-1.015097	-1.909316	6	0.019681	-2.380451	4.160802
6	0.855009	-1.096704	-0.445445	1	1.052492	-2.722448	4.116420
6	-0.342454	-0.296065	-2.848250	1	-0.172554	-2.041803	5.190593
1	-2.119168	-1.282901	-2.092733	6	-0.173516	-1.202963	3.206266
6	1.582102	-0.364834	-1.387704	6	0.913084	-0.486722	2.716839
1	1.318587	-1.422075	0.478537	1	0.675124	0.360347	2.079134
6	0.988958	0.036034	-2.586962	16	-0.221478	-4.915524	3.150012
1	-0.807762	0.005448	-3.782194	8	-1.306526	-5.501028	2.359697
1	2.620673	-0.119272	-1.185183	8	1.069737	-4.537158	2.560072
1	1.563737	0.597493	-3.317312	6	0.124962	-6.019852	4.513202
6	-2.375074	-4.017269	2.159379	6	-0.880727	-6.875009	4.972566
1	-3.202990	-4.590926	2.574134	6	1.390440	-6.016674	5.103165
1	-2.088799	-4.445614	1.182544	6	-0.611098	-7.721777	6.044178
7	-1.266061	-4.010493	3.120989	1	-1.848571	-6.892493	4.482968
6	-0.094904	-3.212614	2.698880	6	1.639690	-6.871771	6.175367
1	0.338801	-3.624456	1.773816	1	2.172122	-5.374407	4.712282
1	0.643103	-3.264359	3.497568	6	0.648605	-7.735130	6.663736
6	-0.522934	-1.766599	2.500447	1	-1.388915	-8.392271	6.400360
6	-0.050953	-0.730517	3.216418	1	2.625044	-6.876114	6.634078
1	-0.470835	0.248120	2.987649	6	0.936106	-8.683195	7.802386
16	-1.006877	-5.468465	3.980393	1	1.777905	-8.338528	8.410554
8	0.024298	-5.142248	4.962829	1	0.065751	-8.799021	8.456595
8	-2.352863	-5.909883	4.352721	1	1.191571	-9.681052	7.422786
6	-0.332734	-6.646290	2.817769	79	2.841154	-0.577607	3.371632
6	1.048710	-6.689402	2.601680	15	5.108230	-0.581561	4.147279
6	-1.195422	-7.503595	2.127518	1	5.752088	0.664310	4.280495
6	1.560189	-7.594625	1.675188	1	5.364871	-1.124328	5.421634
1	1.710239	-6.044991	3.170754	1	6.075928	-1.273955	3.392469
6	-0.662301	-8.402611	1.206114	6	-4.970115	-2.268851	2.698213
1	-2.260145	-7.486872	2.334748	1	-5.662365	-1.770570	2.015080
6	0.718264	-8.463725	0.963508	1	-4.770484	-3.257180	2.272348
1	2.633497	-7.635688	1.509155	6	-5.563381	-2.395548	4.090240
1	-1.328802	-9.076788	0.674628	6	-5.737420	-1.268913	4.906247
6	1.288608	-9.465909	-0.009906	6	-5.983659	-3.647714	4.553008
1	0.570218	-9.715207	-0.796921	6	-6.321170	-1.397177	6.166037
1	2.201384	-9.091081	-0.483580	1	-5.417966	-0.289423	4.558554
1	1.548055	-10.400718	0.503926	6	-6.575862	-3.774073	5.811887
79	1.330678	-0.766168	4.709300	1	-5.856972	-4.527021	3.925099
15	2.907212	-0.771082	6.516513	6	-6.743261	-2.649703	6.620641
1	3.284575	0.466016	7.075393	1	-6.452564	-0.518486	6.790896
1	2.547672	-1.466341	7.687737	1	-6.902458	-4.750281	6.158293
1	4.181093	-1.328593	6.288818	1	-7.201723	-2.746583	7.600413
6	-5.040480	-2.490370	2.810612	A-IN3			
1	-4.779882	-3.466231	3.225990				
1	-5.275710	-1.835262	3.654385				

6	-3.196184	1.425031	-0.059237	6	1.082911	2.505941	-3.448029
6	-1.921116	1.996157	-0.282898	6	1.311641	3.534588	-4.395636
6	-1.716364	3.331053	0.096319	6	2.098554	2.160202	-2.399251
6	-2.772497	4.044562	0.662049	6	2.386815	4.361407	-4.173564
6	-4.030443	3.454907	0.856858	1	0.602228	3.708791	-5.197053
6	-4.261740	2.128582	0.496976	6	3.148465	3.192437	-2.182553
6	-1.924688	-0.206556	-0.927084	1	2.644639	1.295159	-2.829631
6	-1.105390	0.943213	-0.877498	6	3.288567	4.219382	-3.054802
1	-0.757672	3.819430	-0.031118	1	2.551095	5.192625	-4.855088
1	-2.617370	5.078497	0.954954	1	3.833316	3.051560	-1.351208
1	-4.836197	4.037708	1.292082	1	4.080835	4.950858	-2.933348
1	-5.236213	1.673121	0.633407	6	-1.580991	-1.449407	-1.157599
7	-3.159214	0.077610	-0.469636	1	-1.723510	-2.022523	-0.237246
8	0.531499	1.706096	-4.097442	1	-2.148279	-1.951666	-1.961270
6	1.519985	2.371952	-3.803642	7	-0.141637	-1.426667	-1.449507
6	2.108047	3.347206	-4.718402	6	0.270722	-0.465763	-2.471558
6	2.201918	2.172273	-2.420586	1	-0.322735	-0.578987	-3.390041
6	3.105839	4.170711	-4.315739	1	1.322753	-0.639981	-2.698955
1	1.663446	3.416313	-5.706246	6	0.054876	0.957512	-1.913701
6	3.244349	3.206022	-2.081293	6	1.218382	1.652747	-1.229948
1	2.750811	1.221442	-2.536447	1	0.832628	2.522672	-0.690047
6	3.670317	4.115443	-2.975383	16	0.709181	-2.887969	-1.290048
1	3.497390	4.915625	-5.004400	8	2.115025	-2.541050	-1.534685
1	3.677167	3.162543	-1.084465	8	0.270818	-3.441530	-0.006214
1	4.448894	4.825335	-2.712460	6	0.163211	-3.979390	-2.594186
6	-1.456682	-1.540311	-1.434457	6	0.802170	-3.941970	-3.837671
1	-1.876125	-2.371285	-0.860661	6	-0.911748	-4.843535	-2.361919
1	-1.765239	-1.688071	-2.479532	6	0.346604	-4.775536	-4.856248
7	0.008411	-1.612807	-1.393263	1	1.657991	-3.293885	-3.993393
6	0.656367	-0.432246	-1.981303	6	-1.351404	-5.667746	-3.395414
1	0.402801	-0.414750	-3.046719	1	-1.374375	-4.888278	-1.381720
1	1.734348	-0.566098	-1.898272	6	-0.733710	-5.648903	-4.655363
6	0.214314	0.902750	-1.379984	1	0.845306	-4.756295	-5.821663
6	1.121761	2.014938	-1.340785	1	-2.182162	-6.345326	-3.217099
1	0.632632	2.968543	-1.148851	6	-1.195358	-6.573598	-5.754811
16	0.654231	-2.171980	0.098735	1	-0.677059	-7.539280	-5.691590
8	2.091651	-1.861560	0.035119	1	-2.268742	-6.775846	-5.684873
8	-0.135769	-1.675259	1.238389	1	-0.987719	-6.156415	-6.744986
6	0.394581	-3.930501	-0.036254	79	2.146562	0.392159	0.178338
6	1.035065	-4.646246	-1.054949	15	3.116367	-1.172561	1.679617
6	-0.402588	-4.573740	0.911553	1	2.324994	-2.305334	1.943625
6	0.857569	-6.022889	-1.120536	1	4.314676	-1.787449	1.271086
1	1.657325	-4.133516	-1.780906	1	3.467735	-0.784848	2.988034
6	-0.566830	-5.956915	0.825980	6	-4.266395	-0.518262	0.096112
1	-0.876947	-4.000723	1.700904	1	-3.848965	-1.528620	0.160704
6	0.056883	-6.701408	-0.183603	1	-4.492347	-0.212282	1.123825
1	1.348601	-6.585374	-1.910265	6	-5.540607	-0.524874	-0.735308
1	-1.187447	-6.464319	1.559384	6	-5.506366	-0.434646	-2.131583
6	-0.105141	-8.199370	-0.261579	6	-6.775148	-0.671418	-0.092050
1	-0.913439	-8.551752	0.385331	6	-6.687887	-0.492216	-2.871633
1	-0.319901	-8.523905	-1.285691	1	-4.556608	-0.302287	-2.643621
7	0.816422	-8.706865	0.050591	6	-7.957136	-0.735803	-0.832000
19	1.916926	1.409976	0.605335	1	-6.814513	-0.736452	0.993322
15	2.732156	0.585054	2.662128	6	-7.915864	-0.645451	-2.224267
1	1.870988	-0.318962	3.308271	1	-6.649610	-0.414228	-3.954613
1	3.919028	-0.166968	2.599909	1	-8.908423	-0.847739	-0.319718
1	3.035961	1.474599	3.710399	1	-8.835069	-0.688413	-2.801252
6	-4.300772	-0.838169	-0.364775	A-IN4			
1	-3.922518	-1.848934	-0.543357				
1	-4.652163	-0.812721	0.672191				
6	-5.443449	-0.516997	-1.314136				
6	-5.208397	-0.153158	-2.645461				
6	-6.762133	-0.636638	-0.860745				
6	-6.277208	0.087948	-3.508722				
1	-4.190226	-0.043424	-3.010955				
6	-7.832219	-0.402591	-1.726486				
1	-6.956078	-0.917205	0.172412				
6	-7.591363	-0.038387	-3.051879				
1	-6.083430	0.375483	-4.538070				
1	-8.850970	-0.498312	-1.362314				
1	-8.422372	0.149943	-3.725213				
A-TS3							
6	-2.033331	2.247141	-0.907367	6	-2.059446	2.245622	-0.970367
6	-1.838755	3.637076	-0.969982	6	-1.877435	3.636189	-1.056845
6	-2.832648	4.478730	-0.484367	6	-2.871731	4.477080	-0.571149
6	-4.027765	3.961995	0.051190	6	-4.055103	3.958732	-0.011261
6	-4.255918	2.591328	0.111673	6	-4.270524	2.587403	0.074299
6	-2.028678	-0.027380	-0.990124	6	-2.033465	-0.028708	-1.015594
6	-1.272219	1.087404	-1.313360	6	-1.293309	1.086714	-1.366705
1	-0.930564	4.056871	-1.392338	1	-0.978218	4.056665	-1.497554
1	-2.689402	5.554535	-0.523346	1	-2.738388	5.553325	-0.628867
1	-4.789423	4.644829	0.415096	1	-4.817636	4.640859	0.352163
1	-5.188777	2.196165	0.499737	1	-5.194483	2.190827	0.481841
7	-3.212820	0.354897	-0.417578	7	-3.214992	0.351918	-0.433177
8	0.005865	1.826970	-3.373028	8	-0.024916	1.816811	-3.402889
				6	1.050794	2.504192	-3.493140
				6	1.258030	3.533476	-4.440590
				6	2.074540	2.162956	-2.455445
				6	2.331575	4.367493	-4.228350
				1	0.537954	3.705768	-5.232842
				6	3.120609	3.199524	-2.248100
				1	2.622286	1.299601	-2.887528
				6	3.245463	4.229476	-3.120437
				1	2.482523	5.201138	-4.909964
				1	3.815855	3.060247	-1.425174
				1	4.034746	4.965295	-3.006298
				6	-1.578723	-1.449527	-1.172420
				1	-1.699404	-2.011276	-0.241904
				1	-2.157559	-1.966917	-1.958018

7	-0.145098	-1.421380	-1.492180	1	1.068102	-6.116096	1.696582
6	0.245723	-0.467984	-2.528857	6	-2.271657	-8.018963	2.225525
1	-0.361749	-0.591648	-3.437031	1	-2.664736	-6.592285	3.797896
1	1.294677	-0.640020	-2.771916	6	-1.382265	-8.458925	1.233917
6	0.032248	0.962065	-1.983454	1	0.523376	-8.084139	0.293898
6	1.200060	1.647164	-1.282752	1	-3.200270	-8.558977	2.388755
1	0.811588	2.515925	-0.742382	6	-1.686801	-9.683447	0.406801
16	0.715175	-2.877439	-1.335410	1	-2.757780	-9.906229	0.397365
8	2.112906	-2.529534	-1.620887	1	-1.351906	-9.561212	-0.628425
8	0.312318	-3.415660	-0.033297	1	-1.170915	-10.563199	0.812787
6	0.139505	-3.988514	-2.609898	79	0.848740	-1.373809	4.323377
6	0.747822	-3.967159	-3.869020	15	1.353415	-2.374133	6.402691
6	-0.926466	-4.852547	-2.338956	1	1.520712	-1.572782	7.547841
6	0.270635	-4.817029	-4.863943	1	0.403701	-3.311490	6.843127
1	1.597161	-3.318497	-4.054814	1	2.532886	-3.137936	6.430214
6	-1.388279	-5.693109	-3.349384	6	-5.302622	-1.995227	3.199929
1	-1.364977	-4.884635	-1.347229	1	-5.028498	-2.272430	4.225067
6	-0.801353	-5.690811	-4.624100	1	-6.058509	-1.209885	3.289733
1	0.745665	-4.810396	-5.841389	6	-5.871461	-3.201480	2.470341
1	-2.212047	-6.370680	-3.141120	6	-6.046017	-3.189255	1.079820
6	-1.286113	-6.633173	-5.698320	6	-6.272937	-4.327867	3.197741
1	-0.763770	-7.596516	-5.632697	6	-6.613335	-4.286344	0.431579
1	-2.356991	-6.836971	-5.600094	1	-5.739805	-2.319747	0.503854
1	-1.102950	-6.230543	-6.699288	6	-6.848014	-5.423668	2.549822
79	2.134328	0.391210	0.121357	1	-6.145226	-4.346267	4.278214
15	3.111461	-1.166716	1.625880	6	-7.017728	-5.405310	1.164879
1	2.326389	-2.304447	1.887176	1	-6.746592	-4.264874	-0.646424
1	4.315324	-1.774128	1.222169	1	-7.161861	-6.288484	3.127737
1	3.456182	-0.776274	2.935281	1	-7.465244	-6.255780	0.658480
6	-4.254523	-0.522553	0.105016				
1	-3.826096	-1.527371	0.183860	A-IN5			
1	-4.474572	-0.201257	1.129390	6	-2.948067	2.312890	-0.479669
6	-5.536379	-0.557645	-0.714109	6	-1.635727	2.508316	-0.991667
6	-5.517694	-0.476417	-2.111170	6	-1.320294	3.714714	-1.642456
6	-6.761693	-0.721891	-0.057499	6	-2.299424	4.692567	-1.749249
6	-6.705388	-0.560359	-2.838878	6	-3.591794	4.486691	-1.225025
1	-4.575559	-0.330392	-2.633411	6	-3.935723	3.299737	-0.588508
6	-7.949604	-0.812653	-0.784976	6	-1.770457	0.451650	-0.059669
1	-6.789049	-0.779896	1.028650	6	-0.903460	1.302888	-0.707405
6	-7.923853	-0.731243	-2.178224	1	-0.333213	3.873870	-2.066186
1	-6.679324	-0.489007	-3.922691	1	-2.072104	5.628653	-2.250311
1	-8.893593	-0.938014	-0.262384	1	-4.338585	5.268630	-1.325504
1	-8.847855	-0.794691	-2.745592	1	-4.938867	3.156208	-0.198877
				7	-3.009496	1.041060	0.089717
A-TS4				8	0.684461	0.957069	-2.493024
6	-4.099245	-0.124949	1.954698	6	1.883466	1.564616	-2.781158
6	-2.781287	0.089791	1.466017	6	2.435063	1.636582	-4.054488
6	-2.478724	1.299293	0.815896	6	2.502018	2.120362	-1.662359
6	-3.475169	2.257160	0.680569	6	3.663629	2.294937	-4.180775
6	-4.774767	2.027261	1.173138	1	1.928815	1.198882	-4.908290
6	-5.105980	0.836614	1.810211	6	3.723424	2.772272	-1.799702
6	-2.899588	-1.962676	2.428463	1	2.120973	1.450432	0.383262
6	-2.040758	-1.105862	1.776696	6	4.305387	2.854650	-3.070719
1	-1.486118	1.483008	0.414432	1	4.125188	2.368790	-5.161230
1	-3.254040	3.195815	0.181283	1	4.219528	3.214103	-0.939277
1	-5.535995	2.791419	1.048551	1	5.258970	3.358233	-3.195388
1	-6.114969	0.671087	2.174975	6	-1.431413	-0.932846	0.387900
7	-4.144020	-1.388086	2.546069	1	-1.917328	-1.215740	1.322775
8	-0.248053	-1.214355	0.125502	1	-1.702232	-1.677952	-0.373191
6	0.884415	-0.513005	0.033649	7	0.056225	-0.975571	0.597973
6	1.436656	-0.070709	-1.169257	6	0.759308	-0.555633	-0.659834
6	1.452550	-0.116720	1.262830	1	0.381421	-1.171381	-1.482897
6	2.531548	0.790564	-1.104478	1	1.826910	-0.740980	-0.531124
1	0.995604	-0.365159	-2.115005	6	0.506301	0.931389	-1.040460
6	2.527997	0.796310	1.316653	6	1.599909	1.899804	-0.473824
1	1.610679	-0.923491	2.163211	1	1.143706	2.832101	-0.121262
6	3.072192	1.234048	0.119010	16	0.594694	-2.646367	1.144155
1	2.971582	1.143899	-2.032515	8	2.035610	-2.477937	1.321155
1	2.940071	1.101860	2.274113	8	-0.310447	-2.922633	2.258999
1	3.918609	1.912164	0.121813	6	0.270055	-3.753717	-0.202845
6	-2.543965	-3.318607	2.954564	6	1.288519	-4.015263	-1.128480
1	-2.898263	-3.459427	3.978928	6	-0.979502	-4.380143	-0.290960
1	-2.994944	-4.109119	2.331880	6	1.034218	-4.908052	-2.164370
7	-1.070386	-3.416148	2.969474	1	2.261134	-3.547587	-1.022685
6	-0.417106	-2.975376	1.733563	6	-1.207165	-5.267287	-1.339235
1	-0.848165	-3.464848	0.849172	1	-1.747008	-4.191970	0.452040
1	0.645173	-3.221679	1.789516	6	-0.211490	-5.546284	-2.289177
6	-0.611070	-1.448135	1.555331	1	1.819336	-5.120689	-2.884580
6	0.325279	-0.544383	2.404317	1	-2.173136	-5.757962	-1.415954
1	-0.103535	0.416622	2.694343	6	-0.457505	-6.534819	-3.400477
16	-0.423400	-4.771152	3.778055	1	-1.526133	-6.673593	-3.587360
8	1.031781	-4.557329	3.776837	1	0.018036	-6.214764	-4.333093
8	-1.168806	-4.845263	5.038500	1	-0.037219	-7.515375	-3.141831
6	-0.783663	-6.221163	2.804090	79	0.559873	0.255990	2.347065
6	0.125988	-6.637877	1.825707	15	1.072851	1.456852	4.244339
6	-1.983466	-6.907605	3.015036	1	0.546686	2.757095	4.335962
6	-0.183155	-7.751466	1.049774	1	0.658694	0.890462	5.462093

1	2.439928	1.682373	4.480887	16	3.588738	-1.380384	-1.875845
6	-4.167476	0.438169	0.747556	8	2.622880	-0.942859	-2.909263
1	-3.938994	0.264175	1.807245	8	3.777319	-2.830191	-1.708502
1	-4.964508	1.186357	0.725168	8	3.435558	-0.623891	-0.584252
6	-4.640215	-0.854492	0.101831	6	5.232634	-0.777397	-2.500338
6	-4.799601	-0.947232	-1.287936	9	6.212491	-1.075486	-1.638374
6	-4.956857	-1.960595	0.899218	9	5.522741	-1.330953	-3.685281
6	-5.269573	-2.126519	-1.866205	9	5.209355	0.563348	-2.659633
1	-4.557452	-0.094223	-1.916880	1	2.646303	0.964198	-0.860368
6	-5.432418	-3.140776	0.321197				
1	-4.842463	-1.898260	1.979622	A-TS5			
6	-5.588333	-3.225688	-1.063168	6	-3.634602	2.391129	-0.705298
1	-5.395314	-2.184576	-2.943720	6	-2.265729	2.573460	-1.050015
1	-5.683884	-3.987869	0.953345	6	-1.880167	3.763553	-1.690946
1	-5.963335	-4.139782	-1.514859	6	-2.840652	4.732185	-1.957154
				6	-4.189165	4.533995	-1.603732
A-IN6				6	-4.604498	3.361979	-0.979344
6	-3.623084	2.410780	-0.696497	6	-2.519467	0.545987	-0.077750
6	-2.250854	2.601546	-1.022294	6	-1.578760	1.375737	-0.636618
6	-1.862479	3.801620	-1.642545	1	-0.846485	3.925082	-1.981527
6	-2.822804	4.771196	-1.905895	1	-2.549477	5.655214	-2.450747
6	-4.174425	4.564458	-1.570391	1	-4.920931	5.305193	-1.827351
6	-4.592825	3.382392	-0.967555	1	-5.649659	3.213893	-0.723262
6	-2.513974	0.558103	-0.081559	7	-3.764899	1.143833	-0.100459
6	-1.566798	1.398207	-0.618021	8	0.227355	1.074554	-2.231196
1	-0.826444	3.971316	-1.919894	6	1.378488	1.692989	-2.356947
1	-2.528678	5.701870	-2.383014	6	1.964502	2.021824	-3.589374
1	-4.905884	5.336729	-1.790940	6	1.990437	2.039742	-1.098032
1	-5.640215	3.227481	-0.725309	6	3.082996	2.835831	-3.555104
7	-3.757610	1.154308	-0.110579	1	1.525438	1.679540	-4.519308
8	0.247196	1.108603	-2.221399	6	3.070896	3.002017	-1.139965
6	1.410797	1.666123	-2.330907	6	3.632338	3.343470	-2.344775
6	1.981979	2.057300	-3.559771	1	3.555098	3.111692	-4.494727
6	2.059955	1.933618	-1.040431	1	3.485706	3.356594	-0.200425
6	3.071927	2.893861	-3.495896	1	4.498540	3.995856	-2.387531
1	1.534884	1.750373	-4.497699	6	-2.246143	-0.806438	0.499945
6	3.130871	2.943967	-1.071563	1	-2.755613	-0.951285	1.454941
6	3.635217	3.366560	-2.261579	1	-2.589630	-1.601427	-0.186209
1	3.518829	3.236318	-4.426085	7	-0.797284	-0.882734	0.740780
1	3.564834	3.255560	-0.125683	6	0.026786	-0.515882	-0.421748
1	4.476624	4.050983	-2.300250	1	-0.270855	-1.090711	-1.310173
6	-2.241707	-0.798233	0.488635	1	1.072439	-0.728079	-0.202513
1	-2.765483	-0.953790	1.434111	6	-0.142607	0.994563	-0.741292
1	-2.569235	-1.589084	-0.209706	6	0.858567	1.960823	-0.059080
7	-0.797118	-0.865063	0.750858	1	0.389077	2.948392	0.000567
6	0.039261	-0.497284	-0.401739	16	-0.275694	-2.173205	1.715933
1	-0.252598	-1.066832	-1.295399	8	1.057267	-1.810424	2.213101
1	1.085364	-0.711899	-0.182632	8	-1.382007	-2.420739	2.648470
6	-0.134541	1.014491	-0.706379	6	-0.085196	-3.598143	0.653276
6	0.874652	1.970924	-0.042811	6	1.131999	-3.807135	-0.003518
1	0.448197	2.979178	-0.053897	6	-1.169699	-4.457946	0.458975
16	-0.276987	-2.135374	1.755800	6	1.248685	-4.885718	-0.875679
8	1.037447	-1.740389	2.278024	1	1.983403	-3.156045	0.160506
8	-1.399803	-2.381420	2.669540	6	-1.026677	-5.536523	-0.413204
6	-0.045023	-3.571146	0.719795	1	-2.096360	-4.297649	0.999979
6	1.155489	-3.724270	0.018204	6	0.176442	-5.763785	-1.096514
6	-1.086462	-4.493279	0.585117	1	2.194236	-5.034032	-1.390111
6	1.300503	-4.810549	-0.839818	1	-1.863322	-6.214596	-0.562159
1	1.971052	-3.019020	0.130663	6	0.325233	-6.927486	-2.047389
6	-0.913438	-5.582070	-0.268638	1	-0.593819	-7.518531	-2.108392
1	-2.000935	-4.368840	1.155244	1	0.572020	-6.581113	-3.058373
6	0.273724	-5.754746	-0.995016	1	1.135609	-7.595646	-1.731411
1	2.228288	-4.899636	-1.397153	79	1.423118	1.406018	1.877369
1	-1.714931	-6.309493	-0.371550	15	2.077431	0.555953	3.999212
6	0.455295	-6.932771	-1.922206	1	2.639889	1.389589	4.992442
1	-0.463569	-7.520499	-2.013335	1	1.089585	-0.083031	4.772409
1	0.750025	-6.603112	-2.925321	1	3.051103	-0.459007	3.969283
1	1.246595	-7.601061	-1.560048	6	-4.995438	0.567447	0.425288
79	1.349402	1.461613	1.928447	1	-4.799349	0.168367	1.427072
15	1.901074	0.642182	4.089480	1	-5.700343	1.394236	0.560707
1	2.391779	1.493829	5.104925	6	-5.609835	-0.516924	-0.447659
1	0.878085	-0.005563	4.807011	6	-5.696018	-0.363558	-1.837931
1	2.889999	-0.357345	4.121831	6	-6.132913	-1.673381	0.141603
6	-4.993328	0.569671	0.396573	6	-6.297935	-1.348916	-2.620398
1	-4.806372	0.162635	1.396767	1	-5.285684	0.526150	-2.308158
1	-5.701517	1.393595	0.531083	6	-6.740419	-2.658412	-0.640496
6	-5.592983	-0.508781	-0.493176	1	-6.064924	-1.806231	1.219424
6	-5.684973	-0.332714	-1.880425	6	-6.823796	-2.498150	-2.024021
6	-6.095716	-1.683426	0.077272	1	-6.355973	-1.219348	-3.697762
6	-6.272436	-1.314090	-2.678510	1	-7.140341	-3.551752	-0.168354
1	-5.290047	0.571334	-2.336417	1	-7.291594	-3.264924	-2.635469
6	-6.688894	-2.664677	-0.720536	16	3.753762	-1.192648	-1.592558
1	-6.022956	-1.833774	1.152443	8	2.821487	-1.077165	-2.725062
6	-6.777989	-2.481919	-2.100828	8	3.988016	-2.521998	-1.015526
1	-6.334958	-1.167203	-3.753358	8	3.499297	-0.129154	-0.525179
1	-7.072760	-3.572561	-0.263142	6	5.407196	-0.665360	-2.259333
1	-7.234225	-3.245740	-2.724520	9	6.328552	-0.658093	-1.290499

	9	5.802820	-1.501596	-3.225796	1	-2.953466	3.087922	0.013382
	9	5.323107	0.573985	-2.776027	1	-5.305518	2.806392	0.738688
	1	2.713110	1.018399	-0.923544	1	-6.040414	0.746051	1.895218
A-IN7					7	-4.185873	-1.365748	2.458519
					8	-0.226088	-1.555800	0.214895
	6	-3.771376	2.292283	-0.758465	6	0.683452	-0.549741	0.039720
	6	-2.446911	2.550711	-1.209910	6	1.133072	-0.109174	-1.199022
	6	-2.184896	3.731033	-1.925768	6	1.123854	0.020174	1.234993
	6	-3.226973	4.619277	-2.163870	6	2.065384	0.935881	-1.213014
	6	-4.531979	4.347304	-1.708280	1	0.770510	-0.566428	-2.113846
	6	-4.823434	3.181850	-1.005736	6	2.052715	1.052575	1.213172
	6	-2.476194	0.564192	-0.135612	1	1.643802	-1.501385	2.553549
	6	-1.645225	1.427906	-0.798983	6	2.519831	1.514451	-0.024798
1	-1.184297	3.938019	-2.291934	1	2.440204	1.298415	-2.166304	
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1	-5.329526	5.056185	-1.913676	1	3.247448	2.319831	-0.057628	
1	-5.836889	2.977806	-0.671533	6	-2.699999	-3.345940	3.023057	
7	-3.767871	1.070162	-0.091904	1	-3.164945	-3.454306	4.005147	
8	0.166760	1.335902	-2.399416	1	-3.101704	-4.143539	2.373034	
6	1.384587	1.960385	-2.458891	7	-1.241260	-3.470118	3.189473	
6	2.114287	2.131638	-3.628928	6	-0.479195	-3.150894	1.967793	
6	1.818679	2.437899	-1.216771	1	-0.875500	-3.709577	1.107961	
6	3.335938	2.811972	-3.534709	1	0.566336	-3.421902	2.109075	
1	1.743243	1.749931	-4.575143	6	-0.587876	-1.639835	1.634765	
6	3.035534	3.108753	-1.141607	6	0.437729	-0.703754	2.373116	
6	3.793860	3.296130	-2.306607	1	-0.122660	0.051883	2.943772	
1	3.933863	2.957705	-4.430747	16	-0.720755	-4.780001	4.133781	
1	3.393931	3.481123	-0.184756	8	0.653546	-4.474119	4.552476	
1	4.746091	3.816855	-2.251615	8	-1.776352	-4.988046	5.131697	
6	-2.083414	-0.750529	0.460779	6	-0.649038	-6.216881	3.067864	
1	-2.447790	-0.856410	1.486050	6	0.542147	-6.531071	2.405925	
1	-2.505734	-1.583339	-0.129756	6	-1.800754	-6.987727	2.885063	
7	-0.610381	-0.809285	0.500285	6	0.564544	-7.626739	1.545643	
6	0.069662	-0.351594	-0.724299	1	1.436852	-5.942657	2.577420	
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1	1.140950	-0.524659	-0.614859	1	-2.708254	-6.748075	3.429036	
6	-0.184522	1.161297	-0.975508	6	-0.576992	-8.415021	1.336736	
6	0.749640	2.143797	-0.196994	1	1.488572	-7.875355	1.029803	
1	0.182343	3.060311	0.008534	1	-2.647476	-8.682799	1.876908	
16	0.034636	-2.134971	1.319096	6	-0.526351	-9.616210	0.423216	
8	1.478613	-1.897920	1.443354	1	-1.520276	-9.875604	0.045185	
8	-0.803015	-2.320007	2.509860	1	0.130424	-9.438679	-0.434856	
6	-0.181787	-3.568907	0.263228	1	-0.137025	-10.495322	0.953633	
6	0.796609	-3.881995	-0.686039	79	0.939313	-1.316838	4.508665	
6	-1.342262	-4.338718	0.374170	15	1.424523	-2.077498	6.637860	
6	0.598229	-4.970314	-1.531598	1	2.012305	-1.197042	7.567370	
1	1.707697	-3.295989	-0.740186	1	0.391799	-2.627423	7.419813	
6	-1.522331	-5.424555	-0.482271	1	2.355708	-3.125947	6.623164	
1	-2.076581	-4.105196	1.137581	6	-5.407128	-1.910969	3.032851	
6	-0.563458	-5.753834	-1.449704	1	-5.194707	-2.276251	4.044824	
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1	-2.420636	-6.029962	-0.391640	6	-6.050649	-3.020762	2.213682	
6	-0.774377	-6.915398	-2.391323	6	-6.139452	-2.930246	0.818170	
1	-1.550935	-7.593883	-2.024807	6	-6.595957	-4.137297	2.857671	
1	-1.084200	-6.564391	-3.384407	6	-6.765873	-3.937705	0.084359	
1	0.146704	-7.493090	-2.526342	1	-5.712468	-2.071888	0.306447	
79	1.409464	1.468427	1.670750	6	-7.227865	-5.144233	2.124347	
15	2.144482	0.497254	3.728915	1	-6.526579	-4.221163	3.940418	
1	2.470464	1.274485	4.864432	6	-7.313670	-5.046561	0.734987	
1	1.260509	-0.419119	4.332555	1	-6.826389	-3.856450	-0.997596	
1	3.300062	-0.308487	3.679463	1	-7.645895	-6.005387	2.638892	
6	-4.912730	0.428144	0.530251	1	-7.801169	-5.830156	0.161330	
1	-4.628174	0.080862	1.531012	16	3.975526	-2.263400	2.823655	
1	-5.669238	1.204871	0.686505	8	5.017428	-1.624878	2.026270	
6	-5.506312	-0.730277	-0.261249	8	2.595620	-2.279091	2.133797	
6	-5.524353	-0.721794	-1.661540	8	3.875240	-1.920020	4.255069	
6	-6.081611	-1.810736	0.418363	6	4.348879	-4.086724	2.782612	
6	-6.111606	-1.773795	-2.366094	9	3.438622	-4.767629	3.499580	
1	-5.073561	0.107469	-2.199438	9	4.330484	-4.545770	1.527528	
6	-6.674237	-2.860833	-0.285347	9	5.556489	-4.306275	3.311254	
1	-6.065905	-1.831606	1.506393	A-IN8				
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1	-7.116159	-3.692695	0.256906					
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A-TS6				6	-2.002661	2.521750	-1.248361	
				6	-1.674252	3.733940	-1.879511	
				6	-2.673692	4.672758	-2.102327	
				6	-4.004094	4.421803	-1.715817	
	6	-4.049582	-0.132648	1.828256	6	-4.362403	3.227071	-1.101049
	6	-2.693944	0.005585	1.415111	6	-2.172148	0.463204	-0.306785
	6	-2.303009	1.183141	0.752613	6	-1.269367	1.334703	-0.879799
	6	-3.248691	2.175587	0.524061	1	-0.655968	3.938780	-2.196922
	6	-4.585675	2.016920	0.936339	1	-2.428625	5.613601	-2.586220
	6	-5.004593	0.862306	1.589256	1	-4.766740	5.171107	-1.905235
6	-2.953955	-1.996914	2.430996	1	-5.394306	3.042297	-0.818890	
6	-2.019332	-1.207785	1.809399	7	-3.426610	1.021248	-0.284656	
1	-1.278233	1.315901	0.421919	8	0.548708	1.113244	-2.554034	
				6	1.675073	1.729608	-2.651741	

6	2.222935	2.179739	-3.873136	1	3.610365	3.747584	0.027084
6	2.338496	1.975438	-1.351499	1	4.808103	4.662578	-1.962829
6	3.280297	3.059579	-3.791837	6	-1.565456	-0.904324	0.106835
1	1.760164	1.916477	-4.817799	1	-1.926941	-1.039891	1.130972
6	3.373878	3.030708	-1.367424	1	-1.975783	-1.725832	-0.503368
1	2.937773	1.034885	-1.169091	7	-0.089232	-0.946102	0.139609
6	3.843514	3.512601	-2.548540	6	0.595392	-0.398268	-1.036493
1	3.690363	3.463250	-4.714572	1	0.234144	-0.866101	-1.963195
1	3.802518	3.337304	-0.417274	1	1.662940	-0.588887	-0.937722
1	4.646257	4.242224	-2.575883	6	0.319502	1.123634	-1.138191
6	-1.843328	-0.884234	0.253678	6	1.163969	2.068120	-0.240828
1	-2.305898	-1.039360	1.231000	1	0.574653	2.980785	-0.090729
1	-2.203659	-1.682734	-0.417409	16	0.578652	-2.260490	0.952131
7	-0.378493	-0.942139	0.429219	8	2.042754	-2.132357	0.777266
6	0.386886	-0.512060	-0.749569	8	-0.007274	-2.256071	2.293989
1	0.054868	-1.054166	-1.647044	6	0.085920	-3.758668	0.116476
1	1.445623	-0.715371	-0.586493	6	0.801876	-4.191388	-1.005152
6	0.161231	0.998688	-0.989601	6	-1.024603	-4.468511	0.582362
6	1.148152	1.982113	-0.355492	6	0.389579	-5.346607	-1.663284
1	0.691920	2.977007	-0.384276	1	1.682129	-3.651874	-1.337643
16	0.188701	-2.304616	1.263718	6	-1.418486	-5.622429	-0.092086
8	1.602656	-2.026239	1.563245	1	-1.549801	-4.137040	1.471479
8	-0.770813	-2.537132	2.341614	6	-0.726737	-6.076822	-1.224706
6	0.157842	-3.690353	0.138211	1	0.949571	-5.694476	-2.527177
6	1.230101	-3.896651	-0.737423	1	-2.273566	-6.184296	0.273679
6	-0.952172	-4.540423	0.136541	6	-1.179527	-7.312145	-1.963239
6	1.174223	-4.968148	-1.625640	1	-1.664894	-8.026428	-1.291092
1	2.097278	-3.244100	-0.709412	1	-1.906261	-7.052175	-2.744112
6	-0.983548	-5.606775	-0.759414	1	-0.341252	-7.817022	-2.453124
1	-1.758986	-4.384228	0.844508	79	1.534903	1.392467	1.708407
6	0.071190	-5.835985	-1.655813	15	1.890334	0.635595	3.945184
1	2.007838	-5.141584	-2.301092	1	3.038857	1.075287	4.633466
1	-1.837653	-6.278621	-0.755010	1	0.907227	0.940483	4.908002
6	0.014204	-6.979966	-2.638384	1	1.998127	-0.752755	4.149224
1	-0.542544	-7.829961	-2.231815	6	-4.417558	-0.207751	0.177689
1	-0.489881	-6.672872	-3.564223	1	-4.165894	-0.087713	1.203700
1	1.015997	-7.325672	-2.911163	1	-5.218397	0.948025	0.266091
79	1.620038	1.603369	1.650343	6	-4.900801	-1.003687	-0.604905
15	2.218487	1.200899	3.917401	6	-4.973927	-0.981088	-2.003988
1	3.562048	1.406121	4.280885	6	-5.328792	-2.146533	0.080704
1	1.576635	1.950570	4.924350	6	-5.469818	-2.082868	-2.701574
1	2.017807	-0.098335	4.419279	1	-4.644394	-0.099578	-2.547583
6	-4.621572	0.407690	0.294229	6	-5.831925	-3.247058	-0.616672
1	-4.407206	0.122015	1.330838	1	-5.278197	-2.173721	1.167452
1	-5.382144	1.191833	0.346006	6	-5.902392	-3.217541	-2.010139
6	-5.143885	-0.792542	-0.478432	1	-5.524689	-2.052667	-3.786260
6	-5.271173	-0.752923	-1.873743	1	-6.167383	-4.124672	-0.070886
6	-5.547848	-1.941999	0.210133	1	-6.294140	-4.071723	-2.555184
6	-5.794677	-1.845531	-2.564604	8	4.255535	-0.683822	1.400639
1	-4.961815	0.134630	-2.419919	1	4.969175	-1.338737	1.477311
6	-6.078549	-3.034075	-0.480774	1	3.422555	-1.211197	1.348807
1	-5.455372	-1.982546	1.293506	1	5.005548	0.835819	-1.162388
6	-6.201619	-2.988075	-1.869857	8	4.136296	0.462445	-0.933641
1	-5.891536	-1.802795	-3.645901	1	4.210637	0.056156	0.003633
1	-6.393602	-3.917718	0.067195				
1	-6.614451	-3.835656	-2.409534	A-IN9			
8	4.053253	-0.865413	2.048425	6	-3.347824	2.132125	-0.967579
1	4.680191	-1.538757	2.358244	6	-2.043517	2.501914	-1.396836
1	3.182822	-1.315601	2.032472	6	-1.854324	3.742216	-2.031689
1	4.667781	-0.787489	-1.145849	6	-2.949046	4.577073	-2.212303
8	3.815734	-0.637327	-0.708500	6	-4.234630	4.193682	-1.780503
1	4.007322	-0.665027	0.260771	6	-4.453672	2.969172	-1.159097
				6	-1.954110	0.449896	-0.449097
A-TS7				6	-1.177328	1.404170	-1.057631
6	-3.290095	2.157592	-1.005670	1	-0.870645	4.036552	-2.383426
6	-1.962673	2.476869	-1.403856	1	-2.817061	5.538273	-2.700344
6	-1.715488	3.707829	-2.036800	1	-5.074013	4.863846	-1.941141
6	-2.773813	4.582322	-2.246225	1	-5.452262	2.682832	-0.842821
6	-4.082075	4.247834	-1.844753	7	-3.270272	0.871513	-0.378997
6	-4.359131	3.034061	-1.225632	8	0.746717	1.633704	-2.547871
6	-1.978329	0.423511	-0.447843	6	1.941830	2.277616	-2.425770
6	-1.148935	1.345179	-1.041422	6	2.752873	2.637687	-3.495731
1	-0.714553	3.971297	-2.365125	6	2.267365	2.585688	-1.093700
1	-2.594361	5.536786	-2.732309	6	3.931069	3.342897	-3.212317
1	-4.892345	4.947617	-2.026375	1	2.469839	2.389704	-4.513488
1	-5.374540	2.785782	-0.931976	6	3.440536	3.298217	-0.829766
7	-3.274403	0.896111	-0.412896	1	4.119710	1.326794	-0.788158
8	0.787039	1.437120	-2.551391	6	4.276066	3.675153	-1.899514
6	1.890509	2.166301	-2.489957	1	4.580260	3.639539	-4.031043
6	2.570579	2.655599	-3.612984	1	3.684272	3.585866	0.191237
6	2.331429	2.436869	-1.153676	1	5.180239	4.244494	-1.703347
6	3.620711	3.537178	-3.384983	6	-1.488837	-0.871422	0.081200
1	2.242856	2.400397	-4.614814	1	-1.783207	-1.006881	1.127766
6	3.334002	3.449054	-0.981183	1	-1.924853	-1.701047	-0.498186
1	3.262817	1.438911	-1.025515	7	-0.009242	-0.902245	0.018621
6	4.003439	3.944616	-2.083993	6	0.617508	-0.275721	-1.156324
1	4.155723	3.943970	-4.239032	1	0.239260	-0.717151	-2.087521

1	1.694135	-0.428839	-1.103210	6	-0.029785	-6.759456	1.702612
6	0.299619	1.242673	-1.193391	6	-1.800678	-6.981528	3.363574
6	1.123992	2.145101	-0.224258	6	-0.480946	-7.920661	1.084257
1	0.508290	3.028406	-0.004181	1	0.842826	-6.236812	1.326043
16	0.711572	-2.191610	0.787344	6	-2.233173	-8.143775	2.726736
8	2.163079	-2.107613	0.428522	1	-2.290491	-6.626455	4.263681
8	0.327870	-2.152381	2.199998	6	-1.589231	-8.629014	1.579880
6	0.122579	-3.715783	0.075858	1	0.041054	-8.291117	0.206023
6	0.583368	-4.117001	-1.184369	1	-3.081546	-8.686677	3.133804
6	-0.818677	-4.471125	0.778671	6	-2.070386	-9.878772	0.885482
6	0.087903	-5.293609	-1.735426	1	-2.795521	-10.424618	1.495394
1	1.331191	-3.534615	-1.712181	1	-2.554004	-9.632715	-0.068379
6	-1.299432	-5.647763	0.205709	1	-1.237461	-10.553528	0.659518
1	-1.148733	-4.154305	1.761926	79	0.555019	-1.285019	4.477339
6	-0.862126	-6.075618	-1.055510	15	0.395755	-1.985639	6.696364
1	0.448783	-5.616611	-2.708239	1	0.892556	-1.120464	7.688934
1	-2.022983	-6.245595	0.752834	1	-0.892116	-2.257759	7.189772
6	-1.404721	-7.336742	-1.680415	1	1.068567	-3.178667	7.002219
1	-1.881503	-7.981228	-0.936515	6	-5.134403	-2.219503	3.044486
1	-2.156649	-7.098177	-2.443621	1	-4.846817	-2.610184	4.028408
1	-0.613448	-7.910285	-2.174437	1	-5.889505	-1.450717	3.236202
79	1.476851	1.398815	1.701434	6	-5.717863	-3.340204	2.196633
15	1.695434	0.610060	3.958942	6	-5.860785	-3.199572	0.809750
1	2.266116	1.458578	4.930806	6	-6.165526	-4.515367	2.811253
1	0.497174	0.272285	4.617894	6	-6.444593	-4.217238	0.054917
1	2.434107	-0.562098	4.215637	1	-5.516920	-2.292332	0.320087
6	-4.379456	0.116922	0.190102	6	-6.756329	-5.531625	2.056969
1	-4.101668	-0.226225	1.194660	1	-6.062263	-4.633871	3.888258
1	-5.202045	0.824623	0.333127	6	-6.895877	-5.384704	0.676226
6	-4.839719	-1.066503	-0.648982	1	-6.552488	-4.095689	-1.019290
6	-4.903572	-0.984171	-2.046252	1	-7.105816	-6.435513	2.548365
6	-5.254083	-2.245066	-0.017308	1	-7.355351	-6.173248	0.087026
6	-5.378353	-2.061816	-2.794683	8	3.382069	-3.328639	4.543512
1	-4.583643	-0.075113	-2.548336	1	4.209624	-3.836172	4.571900
6	-5.735789	-3.321489	-0.765426	1	2.670561	-3.975254	4.326888
1	-5.209943	-2.319098	1.067663	1	3.475644	-1.174643	2.212994
6	-5.798138	-3.232002	-2.156858	8	2.848986	-1.880045	2.457477
1	-5.426534	-1.984724	-3.877377	1	3.180950	-2.393064	3.275520
1	-6.061226	-4.227189	-0.260863				
1	-6.173805	-4.067104	-2.741456	A-IN1'			
8	4.251923	-0.926256	1.194325	6	-1.651785	3.121330	-1.172798
1	4.898961	-1.656681	1.217014	6	-0.500601	2.924027	-2.019036
1	3.326100	-1.348681	0.981974	6	-0.055974	3.967771	-2.883736
1	5.637313	0.949602	-0.762550	6	-0.745407	5.154778	-2.888152
8	4.748075	0.563021	-0.690174	6	-1.882141	5.335119	-2.049251
1	4.508250	-0.220485	0.375161	6	-2.348793	4.350292	-1.201791
				6	-0.929011	0.978820	-0.704824
A-TS8				6	-0.046986	1.631342	-1.741257
6	-3.989633	-0.276456	1.867317	1	0.807904	3.821442	-3.518669
6	-2.679445	-0.008424	1.382605	1	-0.429640	5.966344	-3.534645
6	-2.418413	1.221259	0.751578	1	-2.405836	6.286517	-2.081005
6	-3.449589	2.142907	0.626104	1	-3.225941	4.515850	-0.586917
6	-4.742496	1.857803	1.108513	7	-1.909910	2.024412	-0.424778
6	-5.032142	0.647883	1.729439	8	0.957011	0.926743	-2.187950
6	-2.715764	-2.067330	2.321461	6	1.812400	1.413715	-3.223629
6	-1.891158	-1.176331	1.678760	6	1.469824	1.126170	-4.539220
1	-1.430214	1.445840	0.362247	6	2.973471	2.078237	-2.850228
1	-3.261465	3.096211	0.141148	6	2.332206	1.570852	-5.544234
1	-5.531672	2.594150	0.988786	1	0.576709	0.551649	-4.760180
1	-6.036060	0.438335	2.086197	6	3.818683	2.512726	-3.876276
7	-3.987696	-1.542859	2.449034	1	3.211289	2.222535	-1.796122
8	-0.067812	-1.146708	0.066840	6	3.497847	2.268555	-5.214498
6	0.953147	-0.241701	0.056653	1	2.094657	1.361431	-6.582802
6	1.548314	0.253367	-1.099415	1	4.734854	3.037147	-3.621571
6	1.353422	0.172247	1.328774	1	4.163864	2.609146	-6.001655
6	2.580929	1.185780	-0.948536	6	-1.553086	-0.361282	-1.236671
1	1.216129	-0.078224	-2.077466	1	-2.480279	-0.541899	-0.683173
6	2.379564	1.103370	1.470863	1	-1.773683	-0.347163	-2.303664
1	1.740072	-1.325120	2.698894	7	-0.556870	-1.369782	-0.913852
6	2.995232	1.611589	0.318243	6	0.150712	-1.004104	0.326302
1	3.064646	1.586714	-1.834290	1	1.213530	-1.242500	0.254422
1	2.684958	1.450032	2.456646	1	-0.265683	-1.556196	1.178944
1	3.790232	2.345076	0.410353	6	-0.095507	0.493428	0.506457
6	-2.313677	-3.415085	2.833520	6	0.318872	1.271197	1.511356
1	-2.648811	-3.571481	3.863271	1	0.027420	2.323148	1.462540
1	-2.744699	-4.220206	2.216060	16	0.212178	-2.231403	-2.156934
7	-0.834009	-3.469559	2.819695	8	-0.315084	-1.704171	-3.420470
6	-0.212048	-2.983944	1.575088	8	1.657921	-2.229900	-1.876576
1	-0.663040	-3.459997	0.694331	6	-0.357238	-3.910940	-1.968087
1	0.852218	-3.212502	1.597266	6	-1.516098	-4.314965	-2.635872
6	-0.437143	-1.454301	1.451391	6	0.352521	-4.793832	-1.150944
6	0.492614	-0.554523	2.344227	6	-1.967508	-5.621873	-2.470496
1	-0.129698	0.221526	2.816593	1	-2.042133	-3.624049	-3.285808
16	-0.157557	-4.791719	3.626069	6	-0.118056	-6.096213	-0.998807
8	1.301591	-4.674279	3.410502	1	1.264081	-4.472868	-0.658633
8	-0.699764	-4.743104	4.989747	6	-1.280244	-6.532186	-1.652686
6	-0.699771	-6.296792	2.842347	1	-2.865828	-5.943165	-2.991054

1	0.431459	-6.788849	-0.366819	1	-0.213578	-3.165318	9.374024
6	-1.761132	-7.955290	-1.508017	1	-1.208721	-5.061622	9.126400
1	-1.456546	-8.386547	-0.549411	8	-0.311104	-1.866693	2.072670
1	-2.851252	-8.020186	-1.582971	1	0.272125	-2.672727	1.825320
1	-1.341832	-8.589328	-2.300135	8	1.153527	-3.894857	1.381927
79	1.508089	0.742020	3.080728	1	1.939532	-4.189067	1.866378
15	2.966132	0.223366	4.902718	1	0.655129	-4.709193	1.119192
1	4.292962	-0.132883	4.590923	6	-5.065227	-1.987749	3.204197
1	3.205907	1.234501	5.854053	1	-4.778539	-2.705780	3.979365
1	2.628584	-0.839674	5.764233	1	-5.275376	-1.050164	3.734648
8	3.468044	1.768328	0.325160	6	-6.321201	-2.476066	2.492493
1	3.626802	0.820353	0.120413	6	-6.660669	-2.039446	1.205386
8	3.615745	-0.975873	-0.268034	6	-7.188129	-3.349945	3.161051
1	4.457194	-1.444014	-0.374020	6	-7.844572	-2.467415	0.602023
1	3.050072	-1.287938	-1.000170	1	-6.000027	-1.363151	0.670197
6	-2.936890	1.912563	0.613349	6	-8.374658	-3.774747	2.560827
1	-2.490012	1.369419	1.451602	1	-6.935744	-3.698874	4.160530
1	-3.133273	2.927076	0.977718	6	-8.705636	-2.334415	1.278100
6	-4.230011	1.238831	0.178409	1	-8.095665	-2.120484	-0.396532
6	-4.836320	1.531374	-1.051010	1	-9.036234	-4.452524	3.093028
6	-4.857998	0.339335	1.048806	1	-9.627140	-3.665200	0.807803
6	-6.048685	0.935450	-1.400191	1	-0.558723	-1.990644	3.016960
1	-4.363276	2.223959	-1.742459				
6	-6.074351	-0.252502	0.702462	A-IN2'			
1	-4.397020	0.103635	2.005526	6	-1.122655	2.988952	-0.773745
6	-6.671678	0.043738	-0.523514	6	0.169064	3.036239	-1.329453
1	-6.508542	1.170327	-2.355934	6	0.808985	4.247535	-1.584272
1	-6.550691	-0.946758	1.388665	6	0.140953	5.435493	-1.283754
1	-7.616527	-0.417377	-0.795803	6	-1.155790	5.388475	-0.755684
1	2.568494	1.764859	0.688242	6	-1.806707	4.180117	-0.498003
				6	-0.451472	0.744062	-0.806881
A-TS1'				6	0.599505	1.637392	-1.610280
6	-3.543555	-0.527507	1.839644	1	1.809652	4.264689	-2.003546
6	-2.322607	-0.592771	1.132972	1	0.620586	6.391189	-1.466709
6	-1.756092	0.552233	0.556868	1	-1.675631	6.317045	-0.536713
6	-2.429443	1.762464	0.670850	1	-2.815082	4.176453	-0.098471
6	-3.659349	1.817713	1.349846	7	-1.551560	1.680447	-0.589099
6	-4.233311	0.692435	1.934872	8	0.715001	1.206731	-2.905960
6	-2.887219	-2.769828	2.087765	6	1.197614	2.061795	-3.920078
6	-1.862324	-1.980782	1.170163	6	0.286343	2.835339	-4.634482
1	-0.803196	0.495200	0.043632	6	2.550607	2.030306	-4.247889
1	-2.008820	2.662777	0.235994	6	0.751517	3.617956	-5.692351
1	-4.181901	2.767436	1.423870	1	-0.764404	2.818372	-4.365408
1	-5.188400	0.763109	2.443535	6	3.002271	2.818711	-5.309231
7	-3.906178	-1.753065	2.352053	1	3.225887	1.377693	-3.705164
8	-1.460583	-2.679788	0.101175	6	2.107637	3.614523	-6.027716
6	-0.982612	-2.046128	-1.074823	1	0.050791	4.225909	-6.256777
6	-1.909395	-1.653697	-2.035239	1	4.053904	2.799475	-5.579776
6	0.389203	-1.926340	-1.269084	1	2.464004	4.221659	-6.854383
6	-1.440666	-1.094271	-3.224952	6	-0.834269	-0.540437	-1.572162
1	-2.970914	-1.787028	-1.855663	1	-1.795731	-0.921430	-1.201325
6	0.841152	-1.363350	-2.465832	1	-0.884455	-0.405208	-2.649204
1	1.081206	-2.289791	-0.517652	7	0.292185	-1.405254	-1.207558
6	-0.068363	-0.943674	-3.438879	6	0.567630	-1.269732	0.229538
1	-2.150350	-0.782424	-3.985240	1	1.618274	-1.487298	0.440349
1	1.908717	-1.263693	-2.637839	1	-0.049103	-1.951218	0.836886
1	0.291446	-0.510848	-4.367350	6	0.187290	0.181147	0.494450
6	-3.429528	-4.041420	1.378440	6	0.373764	0.863319	1.635535
1	-4.431689	-4.259908	1.764021	1	0.005984	1.892161	1.639394
1	-3.478232	-3.954671	0.295117	16	0.731449	-2.761229	-2.074776
7	-2.476424	-5.080509	1.772007	8	0.261760	-2.546708	-3.439290
6	-1.906676	-4.819981	3.099974	8	2.180897	-2.901837	-1.775711
1	-0.826821	-4.995197	3.090558	6	-0.081367	-4.187197	-1.382354
1	-2.349325	-5.469033	3.867498	6	-1.339558	-4.545616	-1.878884
6	-2.250852	-3.361719	3.369064	6	0.521353	-4.910110	-0.348579
6	-2.077467	-2.699706	4.522694	6	-1.996396	-5.639019	-1.321405
1	-2.419284	-1.661347	4.530988	1	-1.780633	-3.993238	-2.701889
16	-1.773881	-6.132793	0.682500	6	-0.154997	-6.001175	0.193467
8	-2.256251	-5.753143	-0.643383	1	1.511473	-4.640470	0.002421
8	-0.321809	-6.157107	0.990457	6	-1.419050	-6.383642	-0.280437
6	-2.391332	-7.757738	1.080668	1	-2.970367	-5.926471	-1.708310
6	-3.576458	-8.190716	0.477646	1	0.312171	-6.573167	0.990747
6	-1.705324	-8.566474	1.989085	6	-2.126866	-7.588989	0.287923
6	-4.076059	-9.448547	0.801428	1	-1.800502	-7.802614	1.310248
1	-4.083518	-7.560760	-0.245449	1	-3.212686	-7.450027	0.295281
6	-2.224632	-9.822442	2.299403	1	-1.917647	-8.481174	-0.316476
1	-0.771877	-8.228650	2.425833	79	1.184821	0.208680	3.384283
6	-3.412398	-10.284081	1.714396	15	2.099709	-0.476906	5.496539
1	-4.993310	-9.792462	0.330661	1	3.360653	-1.105815	5.513114
1	-1.691487	-10.459081	3.000495	1	2.318543	0.524083	6.463416
6	-3.951506	-11.658000	2.029103	1	1.363902	-1.399017	6.266999
1	-3.531097	-12.052623	2.958825	8	2.027381	1.447283	-1.004750
1	-5.042554	-11.647551	2.123542	1	2.558252	0.580997	-1.386810
1	-3.703111	-12.365987	1.227952	8	3.370854	-0.466847	-1.857570
79	-1.307868	-3.397690	6.273675	1	4.264139	-0.562426	-1.491105
15	-0.441172	-4.141938	8.384461	1	2.963097	-1.377553	-1.904893
1	0.804781	-4.799881	8.406576	6	-2.720930	1.308725	0.199524

1	-2.422402	0.560396	0.943982	A-TS2'			
1	-3.024725	2.190118	0.777154	6	-3.597645	-0.746977	-0.066193
6	-3.901508	0.786883	-0.608055	6	-2.239946	-0.343192	0.001255
6	-4.206646	1.303104	-1.873518	6	-1.916277	0.829075	0.702367
6	-4.733466	-0.196460	-0.058585	6	-2.938781	1.569885	1.285711
6	-5.323956	0.845920	-2.573842	6	-4.281314	1.162344	1.187061
1	-3.566569	2.063270	-2.312902	6	-4.629784	-0.005172	0.514090
6	-5.854122	-0.651860	-0.755916	6	-2.403831	-2.327135	-1.126652
1	-4.506811	-0.606103	0.924093	6	-1.487338	-1.361003	-0.710724
6	-6.151752	-0.131476	-2.016619	1	-0.884495	1.151193	0.807627
1	-5.549694	1.254932	-3.554795	1	-2.696630	2.475534	1.833471
1	-6.490802	-1.414533	-0.316025	1	-5.058650	1.759871	1.652951
1	-7.021803	-0.485522	-2.562091	1	-5.665779	-0.324597	0.462337
1	1.883442	1.319009	-0.030729	7	-3.660942	-1.963257	-0.763765
A-IN3'				8	0.771725	-1.371971	0.183901
6	-3.281350	-0.920298	-0.056278	6	1.840676	-0.554594	-0.001859
6	-2.042920	-0.290225	-0.256120	6	2.378184	-0.347452	-1.298740
6	-1.784698	0.930509	0.365155	6	2.318917	0.176966	1.090437
6	-2.779518	1.483507	1.173472	6	3.346407	0.669392	-1.484545
6	-4.013445	0.840316	1.355245	1	2.287865	-1.109947	-2.063976
6	-4.288575	-0.380836	0.739240	6	3.292352	1.147895	0.880560
6	-2.136729	-2.276921	-1.446165	1	1.892841	-0.001116	2.072219
6	-1.293409	-1.130251	-1.206771	6	3.790088	1.419719	-0.409737
1	-0.832639	1.433832	0.235450	1	3.771266	0.817715	-2.472902
1	-2.594468	2.429055	1.673708	1	3.655735	1.724099	1.726697
1	-4.767142	1.295849	1.989598	1	4.540961	2.190643	-0.548703
1	-5.234492	-0.885981	0.895691	6	-2.027641	-3.632017	-1.755752
7	-3.282975	-2.142965	-0.791356	1	-2.646382	-4.439151	-1.350536
8	0.885451	-0.852975	-0.128560	1	-2.170428	-3.621030	-2.849821
6	2.098191	-0.188765	-0.292343	6	0.273623	-2.794939	-1.794149
6	2.821173	-0.159211	-1.485918	1	0.195337	-2.598646	-2.875766
6	2.578618	0.451329	0.853202	1	1.293400	-3.110336	-1.574418
6	4.038649	0.528827	-1.523455	6	-0.039180	-1.485108	-1.023736
1	2.455863	-0.660012	-2.376308	6	0.128202	-0.235079	-1.844782
6	3.793828	1.129883	0.799270	1	-0.009487	0.663370	-1.246688
1	1.996076	0.401628	1.767731	16	-0.063488	-5.445297	-1.876815
6	4.529026	1.173943	-0.389274	8	-0.657408	-5.784501	-3.177501
1	4.604616	0.550423	-2.450418	8	1.390016	-5.389542	-1.706307
1	4.167207	1.625479	1.690726	6	-0.789025	-6.494144	-0.631989
1	5.476072	1.703033	-0.427702	6	-1.722961	-7.458098	-1.014441
6	-1.629968	-3.484560	-2.161261	6	-0.358991	-6.383710	0.694522
1	-2.320063	-4.326004	-2.082930	6	-2.242105	-8.314512	-0.043766
1	-1.475207	-3.267820	-3.230378	1	-2.019973	-7.541583	-2.054251
6	0.703595	-2.827586	-1.598262	6	-0.891687	-7.246193	1.646155
1	1.110697	-2.813867	-2.618631	1	0.383602	-5.642578	0.970604
1	1.499126	-3.112575	-0.910963	6	-1.841664	-8.220966	1.295724
6	0.249700	-1.397380	-1.240609	1	-2.962658	-9.073830	-0.335682
6	-0.305758	-0.512009	-2.276364	1	-0.559863	-7.170281	2.678313
1	-0.194439	0.541187	-2.020249	6	-2.427480	-9.132951	2.345640
16	0.194013	-5.423018	-1.948785	1	-3.267786	-8.645402	2.857695
8	-0.131605	-5.613632	-3.368919	1	-2.804372	-10.061699	1.906791
8	1.571158	-5.487281	-1.464234	1	-1.687702	-9.391118	3.110173
6	-0.837138	-6.506370	-0.979037	6	-4.881496	-2.742434	-1.004900
6	-1.890898	-7.186572	-1.593052	1	-4.841825	-3.124191	-2.029808
6	-0.529096	-6.709742	0.370815	1	-5.713305	-2.031782	-0.975500
6	-2.663779	-8.061943	-0.829912	6	-5.108800	-3.887136	-0.029866
1	-2.077539	-7.054545	-2.653759	6	-5.572991	-5.115940	-0.514346
6	-1.310218	-7.590997	1.111138	6	-4.916526	-3.724116	1.348645
1	0.320796	-6.206405	0.819768	6	-5.851310	-6.165110	0.364175
6	-2.393105	-8.273246	0.529004	1	-5.727136	-5.253017	-1.582630
1	-3.479867	-8.601425	-1.302913	6	-5.188500	-4.774651	2.224881
1	-1.067432	-7.767483	2.155871	1	-4.555217	-2.777605	1.741169
6	-3.246482	-9.203124	1.355452	6	-5.659965	-5.995645	1.735860
1	-3.976589	-8.634120	1.946025	1	-6.215995	-7.111360	-0.024961
1	-3.804106	-9.903247	0.726745	1	-5.038106	-4.636699	3.291832
1	-2.640407	-9.782985	2.059236	1	-5.880148	-6.808736	2.421842
6	-4.414814	-3.090334	-0.758027	7	-0.623705	-3.882034	-1.392430
1	-4.234850	-3.836256	-1.535873	79	-0.112440	0.003110	-3.843847
1	-5.304867	-2.528561	-1.057945	15	-0.400464	0.350145	-6.195608
6	-4.624407	-3.736018	0.598614	1	-1.653688	0.018861	-6.744099
6	-5.916645	-3.804921	1.132554	1	-0.246647	1.663613	-6.677315
6	-3.556149	-4.303856	1.303688	1	0.455028	-0.349457	-7.067261
6	-6.141614	-4.433812	2.358395	A-IN8a			
1	-6.752560	-3.370507	0.588259	6	-3.074136	2.035781	0.198216
6	-3.781411	-4.923556	2.532977	6	-1.819783	2.563286	-0.213132
1	-2.546625	-4.261391	0.902348	6	-1.473360	3.872623	0.163318
6	-5.072744	-4.990485	3.062423	6	-2.361356	4.609712	0.936087
1	-7.148003	-4.481139	2.763670	6	-3.599369	4.068739	1.333821
1	-2.946005	-5.353685	3.077320	6	-3.974643	2.780890	0.967814
1	-5.243947	-5.470606	4.021466	6	-2.048255	0.455141	-1.021553
7	-0.371293	-3.841162	-1.471218	6	-1.189227	1.533197	-1.000425
79	-0.382812	-0.817080	-4.318870	1	-0.528440	4.309083	-0.146683
15	-0.373298	-1.065982	-6.694893	1	-2.101939	5.620833	1.235501
1	-0.295651	-2.371154	-7.217969	1	-4.277418	4.668939	1.932959
1	-1.473976	-0.570033	-7.420439	1	-4.937139	2.381205	1.271759
1	0.683493	-0.452733	-7.394789	7	-3.184913	0.737250	-0.300184

8	0.336020	2.737198	-2.542157	1	5.311968	4.042712	-1.437272
6	1.542969	3.178520	-2.383169	6	-1.754835	-0.802400	-1.666094
6	2.002416	4.405366	-2.898217	1	-1.799804	-1.637835	-0.959563
6	2.391889	2.301155	-1.547220	1	-2.485592	-0.999759	-2.466939
6	3.209457	4.867381	-2.412063	7	-0.382245	-0.734322	-2.202611
1	1.384859	4.994699	-3.566939	6	0.028683	0.552374	-2.755567
6	3.597689	2.944363	-0.987027	1	-0.691542	0.910031	-3.502879
1	2.833702	1.543656	-2.253403	1	0.992906	0.441685	-3.242695
6	3.998468	4.162598	-1.441457	6	0.093513	1.608306	-1.624709
1	3.567943	5.834977	-2.755233	6	1.288461	1.540097	-0.642025
1	4.194915	2.373374	-0.282061	1	1.009954	2.148553	0.228775
1	4.916602	4.618294	-1.085735	16	0.371913	-2.147669	-2.672514
6	-1.785640	-0.863625	-1.682733	8	1.727219	-1.731699	-3.122514
1	-1.963187	-1.693695	-0.992412	8	0.227901	-3.100423	-1.569283
1	-2.448590	-1.003579	-2.552800	6	-0.463447	-2.816446	-4.098690
7	-0.365348	-0.896029	-2.073400	6	-0.223486	-2.268541	-5.364351
6	0.151390	0.326166	-2.690649	6	-1.374689	-3.860827	-3.924503
1	-0.477699	0.642672	-3.534999	6	-0.910076	-2.779538	-6.460460
1	1.162824	0.142538	-3.049630	1	0.503058	-1.473416	-5.493072
6	0.144725	1.458845	-1.634594	6	-2.050255	-4.357983	-5.038096
6	1.343270	1.554216	-0.680604	1	-1.533233	-4.287842	-2.940455
1	1.053881	2.215805	0.143447	6	-1.832229	-3.830677	-6.318524
16	0.265804	-2.398612	-2.513376	1	-0.722830	-2.362071	-7.446216
8	1.679133	-2.155238	-2.852858	1	-2.754259	-5.175277	-4.908710
8	-0.088740	-3.313017	-1.425033	6	-2.543574	-4.394167	-7.523512
6	-0.566268	-2.936615	-3.998300	1	-3.437740	-4.955164	-7.237152
6	-0.115633	-2.485712	-5.243925	1	-2.842483	-3.602058	-8.218002
6	-1.677904	-3.777187	-3.894998	1	-1.886907	-5.078738	-8.075767
6	-0.795742	-2.882309	-6.391551	79	1.721552	-0.327506	0.206273
1	0.765176	-1.856456	-5.313930	15	2.145102	-2.462455	1.189777
6	-2.343179	-4.162444	-5.057582	1	1.026267	-3.210673	1.602659
1	-1.999100	-4.139381	-2.924483	1	2.799057	-3.424733	0.397894
6	-1.917469	-3.724474	-6.319994	1	2.929659	-2.535551	2.359079
1	-0.445770	-2.539832	-7.361825	6	-4.280071	-0.220757	-0.045938
1	-3.204419	-4.820685	-4.982285	1	-3.859856	-1.174747	0.295339
6	-2.624509	-4.172474	-7.575346	1	-4.881319	0.157347	0.786640
1	-3.664226	-4.447597	-7.374494	6	-5.151644	-0.450324	-1.271809
1	-2.617688	-3.389497	-8.340376	6	-5.527644	0.612764	-2.103600
1	-2.129586	-5.052608	-8.006130	6	-5.627725	-1.736309	-1.553267
79	1.892857	-0.273927	0.186733	6	-6.367651	0.389903	-3.195050
15	2.431178	-2.390265	1.130925	1	-5.164479	1.615809	-1.895982
1	1.367288	-3.143454	1.661799	6	-6.473760	-1.958729	-2.642011
1	2.999713	-3.344661	0.266988	1	-5.343173	-2.568688	-0.912405
1	3.340321	-2.455975	2.206053	6	-6.844341	-0.895294	-3.466219
6	-4.299307	-0.180465	-0.074683	1	-6.655133	1.222304	-3.831374
1	-3.906035	-1.127602	0.313664	1	-6.840293	-2.961168	-2.845124
1	-4.901576	0.249251	0.731252	1	-7.502159	-1.065117	-4.313858
6	-5.157748	-0.440251	-1.302615	1	3.745645	0.428899	-3.636471
6	-5.515584	0.600609	-2.169756	8	3.457765	0.255097	-2.721283
6	-5.642416	-1.729915	-1.549412	1	2.815705	-0.520805	-2.743733
6	-6.346425	0.352396	-3.262551				
1	-5.145414	1.606422	-1.988930	A-IN9a			
6	-6.479776	-1.977470	-2.639492	6	-3.206872	2.028670	0.284394
1	-5.371801	-2.544789	-0.880802	6	-2.006039	2.662952	-0.137266
6	-6.832426	-0.936226	-3.499057	6	-1.761504	3.996402	0.236385
1	-6.619965	1.167430	-3.926830	6	-2.699991	4.654201	1.019614
1	-6.853896	-2.982172	-2.815589	6	-3.884854	4.009769	1.429597
1	-7.483641	-1.125732	-4.347594	6	-4.158017	2.695906	1.066142
1	4.055874	-0.261277	-3.797574	6	-2.053328	0.550987	-0.952381
8	3.640872	-0.103643	-2.935584	6	-1.294001	1.697936	-0.929662
1	3.087030	-0.891460	-2.771830	1	-0.860156	4.502750	-0.093983
				1	-2.525187	5.683905	1.317084
A-TS7a				1	-4.604254	4.551542	2.036501
6	-3.135514	2.031688	0.253147	1	-5.081507	2.218550	1.379791
6	-1.912432	2.618044	-0.174649	7	-3.212017	0.728810	-0.218029
6	-1.617587	3.941729	0.197696	8	0.288815	3.002499	-2.302485
6	-2.527634	4.636659	0.982738	6	1.642180	3.200075	-2.293608
6	-3.735128	4.039372	1.396693	6	2.319656	4.090720	-3.113867
6	-4.058211	2.736213	1.035905	6	2.300681	2.407163	-1.332549
6	-2.048302	0.504816	-0.984175	6	3.713584	4.180903	-2.966904
6	-1.244079	1.623144	-0.969849	1	1.784904	4.698333	-3.836730
1	-0.698202	4.416495	-0.130946	6	3.687259	2.518199	-1.192201
1	-2.311645	5.658944	1.278762	1	3.390931	0.708216	-2.117847
1	-4.431667	4.609043	2.004579	6	4.394736	3.407880	-2.026102
1	-4.998089	2.294290	1.352457	1	4.266916	4.869588	-3.598730
7	-3.192633	0.731596	-0.245420	1	4.204584	1.965376	-0.409286
8	0.343452	2.872867	-2.408061	1	5.470451	3.507829	-1.917219
6	1.643752	3.163870	-2.314120	6	-1.716793	-0.738666	-1.645990
6	2.256875	4.225402	-2.982345	1	-1.722842	-1.581617	-0.946761
6	2.356727	2.317214	-1.407117	1	-2.443962	-0.957962	-2.443548
6	3.581690	4.507584	-2.650928	7	-0.347867	-0.619665	-2.201322
1	1.699572	4.838013	-3.682838	6	0.034317	0.697186	-2.720570
6	3.671979	2.717544	-1.022547	1	-0.681489	1.042077	-3.476635
1	2.957676	1.280075	-2.197519	1	1.016676	0.633845	-3.183426
6	4.289687	3.771546	-1.679215	6	0.049445	1.739054	-1.572845
1	4.079467	5.335172	-3.149191	6	1.242449	1.643961	-0.582126
1	4.201351	2.135259	-0.272932	1	0.960162	2.242003	0.297215

16	0.386606	-2.006906	-2.723900	1	0.406924	-8.087232	0.029195
8	1.732997	-1.563579	-3.252489	1	-2.522768	-8.741759	3.106413
8	0.341974	-2.991162	-1.644730	6	-1.471373	-9.887064	0.854954
6	-0.451949	-2.669825	-4.145592	1	-2.463193	-10.226001	1.167783
6	-0.362003	-2.013697	-5.380096	1	-1.457908	-9.824314	-0.238039
6	-1.229592	-3.819563	-3.987734	1	-0.750982	-10.663159	1.144141
6	-1.062103	-2.529734	-6.464277	79	0.131669	-0.918265	4.424902
1	0.256313	-1.130252	-5.498300	15	-0.330958	-1.446666	6.646227
6	-1.920972	-4.317696	-5.091088	1	-0.346652	-0.407495	7.594818
1	-1.276846	-4.321099	-3.027572	1	-1.563516	-2.071369	6.904275
6	-1.850881	-3.687379	-6.341093	1	0.561567	-2.353959	7.241534
1	-0.992729	-2.029776	-7.426521	6	-5.125889	-2.254334	3.174277
1	-2.521965	-5.215336	-4.977034	1	-4.786123	-2.672186	4.130203
6	-2.580924	-4.246269	-7.536449	1	-5.907610	-1.530201	3.423515
1	-3.360274	-4.952941	-7.237892	6	-5.686885	-3.364702	2.298378
1	-3.046053	-3.450482	-8.127720	6	-5.882879	-3.173518	0.924089
1	-1.886987	-4.778782	-8.199464	6	-6.060568	-4.583438	2.876554
79	1.655301	-0.214817	0.291088	6	-6.445963	-4.185145	0.145668
15	2.077273	-2.324016	1.350299	1	-5.597343	-2.231844	0.462759
1	0.960479	-3.107477	1.701716	6	-6.631095	-5.593686	2.098946
1	2.820618	-3.285461	0.638204	1	-5.915400	-4.741743	3.943577
1	2.775983	-2.343584	2.574848	6	-6.823652	-5.396551	0.730904
6	-4.265530	-0.261902	-0.032304	1	-6.595812	-4.024613	-0.918296
1	-3.816968	-1.201827	0.313189	1	-6.922785	-6.532210	2.562159
1	-4.889685	0.092705	0.793774	1	-7.267108	-6.180456	0.123628
6	-5.115865	-0.520789	-1.267581	1	3.129867	-1.848734	2.204374
6	-5.507224	0.527536	-2.110907	8	2.578654	-1.945609	3.004336
6	-5.556952	-1.819849	-1.546621	1	2.260494	-2.899362	3.092474
6	-6.328304	0.277371	-3.210928				
1	-5.171365	1.540320	-1.904963	A-IN8b			
6	-6.383972	-2.069712	-2.644002	6	-4.029996	0.209923	2.426171
1	-5.260716	-2.640905	-0.896385	6	-2.727761	0.418962	1.895037
6	-6.770312	-1.020693	-3.479518	6	-2.298465	1.733145	1.640312
1	-6.628627	1.098733	-3.855607	6	-3.152766	2.790380	1.926588
1	-6.724257	-3.081942	-2.844484	6	-4.438025	2.562129	2.454923
1	-7.414223	-1.211607	-4.333363	6	-4.895146	1.273314	2.707015
1	4.116326	-0.036522	-3.343070	6	-3.085664	-1.806460	2.142949
8	3.603649	-0.190347	-2.525543	6	-2.150277	-0.890548	1.717986
1	2.694949	-0.809784	-2.741584	1	-1.315284	1.925662	1.221011
				1	-2.828920	3.809454	1.736503
A-TS8a				1	-5.087645	3.406456	2.665185
6	-4.109504	-0.206308	2.055608	1	-5.892607	1.111990	3.104272
6	-2.836920	0.135461	1.520484	7	-4.222313	-1.163414	2.578334
6	-2.653402	1.399546	0.931722	8	-0.560237	-0.657161	-0.152374
6	-3.721577	2.286068	0.903333	6	0.642596	-0.171232	-0.183020
6	-4.975416	1.931041	1.440494	6	1.143188	0.617031	-1.237179
6	-5.189414	0.684136	2.017290	6	1.439820	-0.484963	1.007255
6	-2.751663	-1.969234	2.353217	6	2.340957	1.266598	-1.012111
6	-1.992519	-1.012321	1.719215	1	0.563039	0.770974	-2.140286
1	-1.697524	1.671390	0.494886	6	2.620966	0.362435	1.218220
1	-3.595018	3.265617	0.452036	1	1.939906	-1.495534	0.735346
1	-5.795160	2.641913	1.396774	6	3.072907	1.168121	0.215338
1	-6.165386	0.421223	2.413909	1	2.733720	1.914041	-1.792420
7	-4.032730	-1.500331	2.569248	1	3.170466	0.250275	2.148918
8	-0.273488	-0.823061	0.005312	1	3.985165	1.744409	0.328975
6	0.956798	-0.224026	-0.024475	6	-2.908335	-3.290973	2.164082
6	1.633204	0.118420	-1.189449	1	-3.204433	-3.717736	3.126008
6	1.478260	0.047919	1.245114	1	-3.528036	-3.763791	1.383319
6	2.875083	0.750812	-1.054748	7	-1.473199	-3.580520	1.966429
1	1.204243	-0.097941	-2.162201	6	-0.822409	-2.817305	0.891783
6	2.712300	0.682316	1.368758	1	-1.369408	-2.928003	-0.056022
1	1.571804	-1.260537	2.880450	1	0.196118	-3.184717	0.761104
6	3.413146	1.031282	0.205162	6	-0.808555	-1.313009	1.257761
1	3.427012	1.027560	-1.948096	6	0.371807	-0.781413	2.088193
1	3.119844	0.922563	2.348512	1	0.061186	0.175112	2.522157
1	4.374250	1.529468	0.285400	16	-1.060978	-5.214142	2.132477
6	-2.278217	-3.332209	2.762784	8	0.404342	-5.273903	1.983557
1	-2.535890	-3.553575	3.802777	8	-1.710688	-5.665965	3.362303
1	-2.727342	-4.116542	2.132227	6	-1.756776	-6.105313	0.749814
7	-0.804171	-3.335341	2.642894	6	-1.052584	-6.169468	-0.457906
6	-0.297538	-2.764403	1.387972	6	-3.014594	-6.699996	0.884645
1	-0.817160	-3.191648	0.520869	6	-1.626494	-6.836158	-1.537083
1	0.765554	-2.979001	1.288156	1	-0.066626	-5.724397	-0.540509
6	-0.551573	-1.232926	1.383254	6	-3.569101	-7.362117	-0.209128
6	0.437272	-0.399081	2.262639	1	-3.536122	-6.662783	1.834893
1	-0.080203	0.528354	2.560722	6	-2.888997	-7.442149	-1.433007
16	0.020643	-4.577544	3.422324	1	-1.082114	-6.894601	-2.476033
8	1.455390	-4.326729	3.123755	1	-4.544477	-7.830118	-0.107482
8	-0.454333	-4.563239	4.808778	6	-3.482632	-8.190599	-2.601252
6	-0.394594	-6.141774	2.683521	1	-3.207490	-7.729071	-3.555073
6	0.262218	-6.552447	1.517117	1	-3.119216	-9.226293	-2.623882
6	-1.399889	-6.921529	3.262794	1	-4.574477	-8.228925	-2.540906
6	-0.103690	-7.759406	0.930624	79	0.966568	-1.984740	3.693783
1	1.060194	-5.953582	1.092154	15	1.700876	-3.331409	5.515106
6	-1.747531	-8.127360	2.657147	1	3.086702	-3.416951	5.743090
1	-1.881476	-6.601449	4.180165	1	1.264124	-2.998800	6.814326
6	-1.110754	-8.566005	1.487030	1	1.367204	-4.698286	5.496396

6	-5.398067	-1.809809	3.156747	6	-6.759823	-3.870045	2.440332
1	-5.081958	-2.443061	3.994490	6	-7.216292	-2.843819	-0.109925
1	-6.009808	-1.014644	3.592450	1	-5.951419	-1.205811	0.487239
6	-6.215889	-2.626930	2.169440	6	-7.579181	-4.563264	1.546792
6	-6.499435	-2.139199	0.886638	1	-6.585161	-4.273094	3.435998
6	-6.737823	-3.866126	2.557774	6	-7.808104	-4.051567	0.268607
6	-7.294236	-2.879453	0.011329	1	-7.392589	-2.438957	-1.102666
1	-6.098514	-1.178525	0.573893	1	-8.035765	-5.501534	1.849815
6	-7.539770	-4.604476	1.684352	1	-8.445300	-4.588553	-0.428416
1	-6.524186	-4.253646	3.551857	8	3.042075	-4.471073	2.380830
6	-7.818726	-4.112464	0.408656	1	3.609148	-5.223905	2.147351
1	-7.510243	-2.490130	-0.979747	1	2.123217	-4.805043	2.269415
1	-7.944154	-5.561667	2.001813	1	3.645783	-2.406421	-0.004524
1	-8.442918	-4.684017	-0.272449	8	2.765922	-2.652806	0.379724
8	2.961631	-4.576043	2.758490	1	2.933031	-3.266313	1.149313
1	3.496789	-5.376718	2.636460	8	5.154391	-1.893814	-0.737150
1	2.036385	-4.873224	2.619939	1	5.303070	-2.220586	-1.638290
1	3.467871	-2.914661	-0.069617	1	5.990272	-2.046449	-0.269757
8	2.618263	-3.067839	0.401200	A-IN9b			
1	2.844726	-3.539057	1.235999	6	-4.027074	0.174230	2.293198
8	5.003200	-2.547619	-0.990106	6	-2.743161	0.426864	1.735742
1	5.050646	-3.004719	-1.844221	6	-2.368780	1.750955	1.446543
1	5.848987	-2.742026	-0.557479	6	-3.261800	2.777569	1.724382
A-TS7b				6	-4.529889	2.507896	2.276335
6	-4.005643	0.158337	2.357131	6	-4.931798	1.207927	2.563011
6	-2.710784	0.392001	1.817362	6	-2.990167	-1.801642	2.043635
6	-2.308317	1.713299	1.554788	6	-2.108637	-0.855711	1.581630
6	-3.182794	2.753921	1.840209	1	-1.400829	1.967275	1.005314
6	-4.461528	2.501794	2.374573	1	-2.984048	3.804924	1.507556
6	-4.891788	1.205464	2.635127	1	-5.211016	3.329653	2.476919
6	-3.014359	-1.837016	2.083338	1	-5.917004	1.015186	2.977029
6	-2.104962	-0.903809	1.646059	7	-4.155628	-1.200236	2.482331
1	-1.331272	1.921326	1.129120	8	-0.394137	-0.517555	-0.132694
1	-2.881026	3.778608	1.643884	6	0.874550	-0.055343	-0.043060
1	-5.127696	3.333830	2.582405	6	1.560942	0.557641	-1.087457
1	-5.884659	1.025532	3.036123	6	1.436553	-0.215502	1.241030
7	-4.166228	-1.216501	2.521250	6	2.843240	1.058143	-0.820215
8	-0.448746	-0.602729	-0.142137	1	1.096410	0.674763	-2.060940
6	0.769155	-0.102383	-0.104391	6	2.716476	0.284867	1.486770
6	1.336027	0.656999	-1.138371	1	2.576060	-1.973743	0.887303
6	1.478709	-0.386949	1.116954	6	3.422107	0.929321	0.450017
6	2.552883	1.269494	-0.875433	1	3.382409	1.577051	-1.608651
1	0.804211	0.810495	-2.070985	1	3.150347	0.206170	2.481064
6	2.665322	0.394370	1.378316	1	4.387748	1.384225	0.659461
1	2.116946	-1.451903	0.772665	6	-2.759151	-3.280128	2.090458
6	3.215643	1.158033	0.375398	1	-2.952615	-3.685197	3.088827
1	3.006314	1.881035	-1.651317	1	-3.428682	-3.798708	1.384620
1	3.158830	0.285506	2.340645	7	-1.337179	-3.540029	1.769021
1	4.148822	1.688766	0.532070	6	-0.754035	-2.712704	0.702669
6	-2.808715	-3.318639	2.113912	1	-1.339362	-2.782810	-0.224524
1	-3.044056	-3.734872	3.098148	1	0.259148	-3.063270	0.508286
1	-3.461720	-3.814623	1.376418	6	-0.733905	-1.222741	1.133572
7	-1.382042	-3.591128	1.841346	6	0.380983	-0.797551	2.140959
6	-0.767022	-2.789751	0.775001	1	-0.024965	0.021153	2.749760
1	-1.337769	-2.868016	-0.161417	16	-0.867891	-5.149201	1.908765
1	0.246947	-3.150448	0.605309	8	0.546270	-5.194583	1.461144
6	-0.745605	-1.297519	1.190737	8	-1.217503	-5.571666	3.266282
6	0.401421	-0.825936	2.117852	6	-1.802445	-6.128039	0.745047
1	0.049941	0.076320	2.613675	6	-1.398908	-6.188746	-0.593470
16	-0.925531	-5.206819	2.007663	6	-2.953134	-6.790210	1.182880
8	0.509259	-5.255142	1.658215	6	-2.164152	-6.923047	-1.495133
8	-1.382391	-5.624440	3.334005	1	-0.492458	-5.689612	-0.918624
6	-1.792610	-6.166488	0.775921	6	-3.703051	-7.519450	0.262442
6	-1.281095	-6.251886	-0.523636	1	-3.241797	-6.749688	2.227504
6	-2.995306	-6.790497	1.119544	6	-3.325096	-7.598721	-1.086009
6	-1.992024	-6.968694	-1.482279	1	-1.852793	-6.977489	-2.534892
1	-0.333855	-5.785698	-0.772705	1	-4.596112	-8.038614	0.599404
6	-3.689754	-7.502776	0.143741	6	-4.128803	-8.415774	-2.067270
1	-3.366109	-6.735504	2.137277	1	-4.054693	-8.011762	-3.081664
6	-3.204163	-7.603936	-1.168151	1	-3.764786	-9.451010	-2.100051
1	-1.596349	-7.042415	-2.491861	1	-5.186263	-8.451129	-1.787874
1	-4.623106	-7.992240	0.408370	79	0.913724	-2.197203	3.611903
6	-3.948477	-8.403462	-2.209213	15	1.442603	-3.743120	5.361997
1	-3.801459	-7.991332	-3.212523	1	2.753699	-3.767556	5.879512
1	-3.593871	-9.442305	-2.227913	1	0.719031	-3.631305	6.566617
1	-5.022798	-8.429414	-2.002674	1	1.257227	-5.114911	5.105298
79	0.934318	-2.142464	3.656512	6	-5.304619	-1.885025	3.061536
15	1.530026	-3.642880	5.412161	1	-4.959746	-2.543776	3.868251
1	2.882217	-3.712874	5.800638	1	-5.918114	-1.117665	3.543662
1	0.930306	-3.473840	6.677133	6	-6.138900	-2.680307	2.068207
1	1.263331	-5.009668	5.206862	6	-6.386863	-2.196384	0.776987
6	-5.335034	-1.885471	3.082312	6	-6.714094	-3.894196	2.462293
1	-5.010124	-2.557695	3.885743	6	-7.199623	-2.914822	-0.100679
1	-5.939096	-1.111029	3.564674	1	-5.945363	-1.255397	0.459836
6	-6.170361	-2.655416	2.070623	6	-7.533765	-4.609806	1.586953
6	-6.404068	-2.147668	0.785855	1	-6.528632	-4.278495	3.463483

6	-7.777456	-4.121398	0.302357	1	3.802604	-3.614875	5.502028
1	-7.387587	-2.527856	-1.098410	1	2.391640	-3.872956	4.878926
1	-7.979788	-5.546804	1.909227	1	3.372112	-1.668049	2.419838
1	-8.415657	-4.675268	-0.380436	8	2.923446	-1.396269	3.272142
8	3.065352	-4.626708	2.137787	1	3.023775	-2.098513	3.978743
1	3.600035	-5.401556	1.894688	8	4.024913	-1.961586	0.887808
1	2.114728	-4.907781	2.052130	1	4.958768	-1.702490	0.837502
1	3.938922	-2.386538	0.090040	1	3.568898	-1.369794	0.260536
8	3.048433	-2.751224	0.488215	A-IN0-f			
1	3.145261	-3.538210	1.203890				
8	5.098634	-1.604146	-0.465844				
1	4.784435	-0.677472	-0.389785				
1	5.277337	-1.750341	-1.409977				
A-TS8b				6	-2.582907	-1.315573	-0.958225
				6	-1.332074	-0.995198	-0.358384
				6	-0.697805	0.223046	-0.664715
				6	-1.320300	1.094777	-1.545758
				6	-2.568439	0.773360	-2.123791
6	-3.929051	-0.265864	1.652522	6	-3.214215	-0.423231	-1.839623
6	-2.585867	-0.008703	1.261857	6	-2.007095	-3.053109	0.362482
6	-2.283770	1.185395	0.582908	6	-1.009780	-2.109811	0.476632
6	-3.308623	2.084566	0.318872	1	0.257083	0.473456	-0.211915
6	-4.634165	1.811131	0.710853	1	-0.846964	2.040882	-1.793332
6	-4.963745	0.636091	1.377105	1	-3.037499	1.478708	-2.804283
6	-2.682260	-2.013376	2.308222	1	-4.174485	-0.653291	-2.290137
6	-1.815236	-1.148265	1.686816	7	-2.972566	-2.569637	-0.522968
1	-1.268722	1.400118	0.263101	8	0.162138	-2.301262	1.176836
1	-3.089291	3.010391	-0.204693	6	0.451040	-1.457589	2.234471
1	-5.416846	2.528979	0.484073	6	1.798720	-1.364965	2.596025
1	-5.991896	0.436072	1.663196	6	-0.524062	-0.751318	2.943369
7	-3.964926	-1.499461	2.300892	6	2.169250	-0.561106	3.673234
8	0.117291	-1.209513	0.211930	1	2.532679	-1.923432	2.024110
6	1.148439	-0.321981	0.214851	6	-0.137564	0.051177	4.019081
6	1.860264	0.050979	-0.924080	1	-1.566828	-0.830532	2.655383
6	1.445231	0.200003	1.477069	6	1.204057	0.152189	4.390646
6	2.884238	0.997928	-0.767044	1	3.219034	-0.483181	3.944742
1	1.608164	-0.364827	-1.894081	1	-0.897343	0.600143	4.569155
6	2.459309	1.140143	1.621670	1	1.495769	0.782198	5.225914
1	1.673535	-1.035851	3.093992	6	-2.065030	-4.406077	1.005495
6	3.177615	1.543746	0.487495	1	-1.774386	-4.300121	2.054209
1	3.447747	1.316162	-1.639489	1	-3.081817	-4.813694	0.989433
1	2.703167	1.544598	2.599761	6	-1.330805	-5.729844	-1.007646
1	3.967121	2.282404	0.585235	1	-2.395753	-5.801232	-1.263560
6	-2.314433	-3.334073	2.906201	1	-0.893320	-6.716707	-1.187930
1	-2.733818	-3.456242	3.909373	6	-0.644325	-4.755977	-1.891222
1	-2.689216	-4.163964	2.285278	6	0.064372	-3.898870	-2.433108
7	-0.837899	-3.382038	3.022206	1	0.775305	-3.116328	-2.604512
6	-0.110084	-2.937136	1.820581	16	-0.718884	-6.700660	1.414566
1	-0.458176	-3.467056	0.923862	8	-1.918833	-7.160785	2.123430
1	0.952434	-3.135098	1.961724	8	0.054164	-7.621643	0.572534
6	-0.347191	-1.421921	1.590123	6	0.372268	-5.950680	2.615906
6	0.509269	-0.451464	2.482025	6	-0.051196	-5.830428	3.939292
1	-0.139829	0.359283	2.848487	6	1.653629	-5.551763	2.226719
16	-0.251055	-4.724931	3.877184	6	0.820116	-5.281854	4.880604
8	1.220302	-4.647200	3.763592	1	-1.041170	-6.172747	4.220715
8	-0.893092	-4.656459	5.195656	6	2.509194	-5.012670	3.181356
6	-0.774713	-6.215023	3.053007	1	1.973183	-5.672237	1.197165
6	-0.018387	-6.707982	1.983110	6	2.104767	-4.858715	4.518003
6	-1.945614	-6.856198	3.469128	1	0.495030	-5.183091	5.913042
6	-0.451778	-7.856760	1.327697	1	3.509962	-4.705355	2.888103
1	0.901810	-6.216713	1.685795	6	3.025267	-4.220393	5.529287
6	-2.358483	-8.004727	2.797518	1	2.946433	-3.126303	5.479138
1	-2.507523	-6.474915	4.314711	1	2.773559	-4.523025	6.550602
6	-1.623738	-8.523308	1.720693	1	4.072195	-4.482778	5.342443
1	0.133476	-8.248022	0.499972	6	-4.262950	-3.195545	-0.816406
1	-3.264807	-8.510033	3.119485	1	-4.110668	-4.229984	-1.126988
6	-2.062599	-9.785916	1.021535	1	-4.663214	-2.695771	-1.703112
1	-3.145633	-9.926632	1.088459	6	-5.265519	-3.148003	0.325741
1	-1.781089	-9.777115	-0.036073	6	-6.119348	-4.241556	0.521934
1	-1.589185	-10.665059	1.477845	6	-5.383865	-2.031786	1.163336
79	0.242726	-1.088955	4.675413	6	-7.079129	-4.216342	1.535844
15	-0.135754	-1.739905	6.865762	1	-6.027573	-5.111000	-0.124976
1	0.145801	-0.804313	7.878144	6	-6.340812	-2.009205	2.179008
1	-1.438517	-2.138000	7.210768	1	-4.725699	-1.178356	1.020921
1	0.624392	-2.846093	7.274439	6	-7.191778	-3.100960	2.367668
6	-5.144667	-2.138222	2.873038	1	-7.732925	-5.072586	1.678869
1	-4.938486	-2.405103	3.917233	1	-6.422602	-1.137400	2.823242
1	-5.928937	-1.375976	2.907518	1	-7.935585	-3.082744	3.159873
6	-5.631448	-3.364011	2.114911	7	-1.102016	-5.366825	0.398538
6	-5.632273	-3.396615	0.714200	16	-4.433599	-5.854410	-3.683271
6	-6.134744	-4.462318	2.821899	8	-4.417363	-6.184846	-2.240672
6	-6.132000	-4.508691	0.035719	8	-3.185877	-6.279660	-4.413573
1	-5.243517	-2.550225	0.154260	8	-4.870405	-4.486596	-4.037309
6	-6.642021	-5.572507	2.143200	6	-5.721915	-6.978585	-4.413250
1	-6.140927	-4.446392	3.910143	9	-5.812866	-6.767971	-5.736134
6	-6.640415	-5.598134	0.747804	9	-5.402556	-8.258954	-4.204135
1	-6.130250	-4.521378	-1.050639	9	-6.913406	-6.731462	-3.858158
1	-7.037227	-6.414532	2.704849	79	-1.310394	-4.491163	-4.075310
1	-7.035082	-6.459947	0.217151	15	-2.219270	-4.295187	-6.254291
8	2.968398	-3.178918	5.266859	1	-2.176916	-5.464884	-7.029481

1	-3.589502	-3.996538	-6.217362	6	-1.962275	-0.655397	1.255431
1	-1.732008	-3.347322	-7.179438	6	-1.786326	0.745015	1.290603
A-TS0-f1				6	-2.716193	1.516434	1.964609
				6	-3.822869	0.921662	2.612616
	6	-3.316861	-1.148928	6	-4.025406	-0.449573	2.595109
	6	-2.054282	-0.717511	6	-1.921947	-2.937108	0.989942
6	-1.668766	0.618157	0.369378	6	-1.254375	-1.746703	0.666516
6	-2.561601	1.501345	-0.234823	1	-0.934078	1.204740	0.805029
6	-3.813188	1.059025	-0.698595	1	-2.592314	2.594177	2.003966
6	-4.210483	-0.271296	-0.567938	1	-4.534108	1.553940	3.136574
6	-2.326314	-2.957646	0.942001	1	-4.887697	-0.888662	3.086520
6	-1.376963	-1.902152	1.004673	7	-3.068835	-2.607894	1.715170
1	-0.698432	0.951631	0.724013	8	-0.190538	-1.767906	-0.171917
1	-2.288586	2.545676	-0.352163	6	0.806525	-0.779225	-0.118843
1	-4.487304	1.767228	-1.171137	6	1.242664	-0.287905	-1.348206
1	-5.178357	-0.599044	-0.933659	6	1.389397	-0.376032	1.081947
7	-3.448455	-2.521310	0.320628	6	2.285941	0.639077	-1.372021
8	-0.260032	-1.909810	1.804042	1	0.766263	-0.634468	-2.260056
6	-0.382344	-1.659837	3.168710	6	2.429931	0.557210	1.043461
6	0.812978	-1.743422	3.888022	1	1.055453	-0.760586	2.040204
6	-1.585415	-1.351502	3.803846	6	2.877704	1.063626	-0.179569
6	0.797925	-1.515429	5.261503	1	2.632101	1.028993	-2.325559
1	1.728245	-1.989482	3.358946	1	2.885493	0.868418	1.980083
6	-1.581315	-1.125896	5.184609	1	3.689357	1.785235	-0.201940
1	-2.510592	-1.275847	3.242976	6	-1.633305	-4.283402	0.383367
6	-0.398305	-1.205863	5.917351	1	-2.550947	-4.863694	0.273098
1	1.726405	-1.582261	5.821606	1	-1.215704	-4.119961	-0.615109
1	-2.516607	-0.884240	5.682151	7	-0.637940	-5.085388	1.148279
1	-0.405485	-1.029172	6.988795	6	0.339883	-4.274690	1.875661
6	-2.046566	-4.380070	1.293908	1	0.970508	-3.760118	1.141330
1	-1.388625	-4.417459	2.174431	1	0.975269	-4.938366	2.468799
1	-2.960201	-4.933720	1.506074	6	-0.290541	-3.288569	2.770358
6	-0.154391	-4.223969	-0.231787	6	-0.542123	-2.606296	3.800066
1	0.359454	-4.723689	-1.062373	1	-1.227630	-1.789714	3.994906
1	0.543027	-4.208864	0.617432	16	-1.143509	-6.542247	1.865975
6	-0.457316	-2.837578	-0.680568	8	-0.056372	-6.929698	2.770579
6	-0.246045	-1.994705	-1.638835	8	-2.525418	-6.430454	2.360263
1	-0.620567	-0.976671	-1.654568	6	-1.172995	-7.659465	0.468515
16	-1.467936	-6.630798	-0.120612	6	0.035560	-8.159778	-0.027445
8	-2.808335	-6.993210	0.365336	6	-2.392638	-8.035587	-0.092003
8	-1.061605	-6.870583	-1.500598	6	0.010566	-9.039723	-1.103239
6	-0.253976	-7.336804	0.982937	1	0.974829	-7.872086	0.433229
6	-0.662407	-7.832800	2.223562	6	-2.395781	-8.917794	-1.174250
6	1.093496	-7.339363	0.602777	1	-3.320700	-7.651174	0.317098
6	0.300699	-8.337369	3.096319	6	-1.202661	-9.431252	-1.695876
1	-1.714857	-7.839490	2.486063	1	0.946853	-9.435164	-1.489407
6	2.036938	-7.837159	1.497541	1	-3.344030	-9.214294	-1.614834
1	1.404807	-6.959376	-0.365999	6	-1.207549	-10.387471	-2.864387
6	1.659287	-8.343004	2.750991	1	-2.225609	-10.608291	-3.198299
1	-0.009191	-8.733819	4.060069	1	-0.655989	-9.973222	-3.717298
1	3.083476	-7.821017	1.209922	1	-0.725863	-11.336869	-2.600870
6	2.701254	-8.889108	3.697819	79	0.894008	-2.888857	5.338807
1	3.505461	-8.162442	3.862135	15	2.443488	-3.139598	7.076258
1	2.268719	-9.143502	4.670436	1	2.221542	-4.217458	7.963474
1	3.166810	-9.795591	3.290873	1	3.779995	-3.368502	6.723009
6	-4.520973	-3.399802	-0.184472	1	2.538257	-2.072596	7.978742
1	-4.043929	-4.283322	-0.616903	6	-4.043726	-3.558116	2.242890
1	-4.998924	-2.860985	-1.007542	1	-3.508218	-4.419340	2.649140
6	-5.537264	-3.802250	0.868812	1	-4.536947	-3.068567	3.089414
6	-5.760499	-5.158475	1.136251	6	-5.082026	-4.028121	1.232576
6	-6.279529	-2.835167	1.561601	6	-5.576256	-3.181543	0.232570
6	-6.717150	-5.541558	2.080609	6	-5.589364	-5.330928	1.332966
1	-5.178403	-5.915151	0.615523	6	-6.562672	-3.628305	-0.648577
6	-7.229651	-3.219145	2.506624	1	-5.188240	-2.170902	0.139980
1	-6.113040	-1.778510	1.364852	6	-6.581192	-5.774809	0.455747
6	-7.452428	-4.574766	2.766180	1	-5.198239	-5.998606	2.096084
1	-6.881289	-6.596830	2.279813	6	-7.070100	-4.924650	-0.538214
1	-7.799729	-2.461681	3.037737	1	-6.936357	-2.960961	-1.420678
1	-8.195345	-4.872879	3.500872	1	-6.967981	-6.786478	0.547286
7	-1.399072	-4.937795	0.095923	1	-7.839418	-5.270048	-1.223540
16	3.409411	-4.767225	-1.412052	16	2.788850	0.118754	5.090119
8	4.003067	-3.701506	-2.262511	8	3.569928	-0.934252	5.794686
8	2.189578	-5.390990	-2.005055	8	1.524121	-0.385686	4.472522
8	3.318564	-4.477220	0.031216	8	3.565123	1.043947	4.249961
6	4.658962	-6.140014	-1.537046	6	2.155408	1.161314	6.492753
9	4.222232	-7.245336	-0.895488	9	1.346526	2.132229	6.050319
9	4.869681	-6.469371	-2.822001	9	1.450319	0.391990	7.355184
9	5.830002	-5.781372	-0.995502	9	3.163876	1.722069	7.172871
79	1.072299	-2.550018	-3.148353	A-TS9			
15	2.696171	-3.180357	-4.737175				
1	3.059271	-4.533671	-4.718049		-3.126264	0.954546	0.093532
1	2.388890	-3.010666	-6.107703		-1.920428	1.623801	-0.231447
1	3.938383	-2.531065	-4.682136	6	-1.775117	2.953064	0.199640
A-TS0-f2				6	-2.812561	3.560595	0.905082
				6	-4.000723	2.873652	1.194901
	6	-3.087607	-1.242111	6	-4.174340	1.552626	0.790004
	6		1.909438	6	-1.853717	-0.536851	-0.992020

6	-1.106854	0.658000	-0.968200	1	0.743279	5.838515	-4.794106
1	-0.875571	3.525345	0.007616	6	2.525276	4.127554	-1.794986
1	-2.697029	4.588820	1.234218	1	2.200892	2.774306	-3.486614
1	-4.794911	3.375467	1.738743	6	3.055378	5.278696	-2.327266
1	-5.095565	1.019349	0.997723	1	2.798587	6.815635	-3.836259
7	-3.049322	-0.362279	-0.389197	1	2.991736	3.671991	-0.923431
8	1.208505	1.277791	-4.599027	1	3.939107	5.735286	-1.893475
6	1.472481	2.444376	-4.110580	6	-1.951668	-0.728087	-3.011310
6	1.631828	3.585668	-4.948061	1	-2.213185	-1.786198	-2.923234
6	1.840495	2.554871	-2.686809	1	-2.530119	-0.327778	-3.856554
6	2.219755	4.736397	-4.470471	7	-0.529596	-0.606274	-3.351631
1	1.320968	3.490619	-5.983933	6	-0.039492	0.779788	-3.297059
6	2.451469	3.795607	-2.265637	1	-0.564447	1.342277	-4.074757
1	2.879380	1.558506	-2.962978	1	1.019678	0.768024	-3.548409
6	2.679387	4.834892	-3.130417	6	-0.283340	1.490996	-1.967759
1	2.359149	5.580581	-5.141356	6	0.604879	2.509276	-1.499295
1	2.712450	3.901103	-1.213954	1	0.206847	3.045701	-0.638950
1	3.166812	5.742746	-2.789927	16	0.476064	-1.815032	-2.671668
6	-1.376698	-1.813111	-1.619127	8	1.852627	-1.329010	-2.864102
1	-1.664805	-2.692113	-1.035506	8	0.032844	-2.183229	-1.315483
1	-1.810701	-1.943842	-2.621292	6	0.155312	-3.198561	-3.751400
7	0.080554	-1.783359	-1.766580	6	0.454852	-3.095293	-5.114926
6	0.577650	-0.536989	-2.371125	6	-0.336431	-4.384849	-3.205560
1	0.183895	-0.495289	-3.391526	6	0.245968	-4.199045	-5.933224
1	1.659603	-0.613317	-2.442583	1	0.839127	-2.167105	-5.524760
6	0.153476	0.736756	-1.633054	6	-0.538650	-5.480530	-4.045866
6	0.925414	1.943450	-1.621147	1	-0.551479	-4.445067	-2.144224
1	0.365947	2.753218	-1.162072	6	-0.251126	-5.408633	-5.414958
16	0.948153	-2.392180	-0.420168	1	0.472633	-4.125552	-6.993653
8	2.350906	-2.015391	-0.659102	1	-0.923452	-6.406622	-3.627647
8	0.312251	-1.999762	0.849950	6	-0.448908	-6.602082	-6.316740
6	0.738956	-4.151612	-0.624080	1	-0.945090	-6.318019	-7.251244
6	1.250048	-4.780039	-1.766100	1	0.516132	-7.049370	-6.587085
6	0.119112	-4.883362	0.389665	1	-1.049366	-7.377607	-5.832839
6	1.121674	-6.158446	-1.887200	79	1.845030	0.970519	-0.521636
1	1.736548	-4.199176	-2.542708	15	3.132100	-0.763420	0.422791
6	0.001211	-6.266617	0.246744	1	2.437749	-1.974808	0.584157
1	-0.256403	-4.377254	1.272430	1	4.246604	-1.185458	-0.324013
6	0.497831	-6.924699	-0.885678	1	3.712034	-0.603826	1.696169
1	1.513209	-6.653420	-2.772065	6	-4.395439	-1.136809	-1.129195
1	-0.481830	-6.842189	1.031561	1	-4.076301	-1.829913	-1.913155
6	0.385852	-8.422433	-1.029701	1	-4.465376	-1.721231	-0.205308
1	-0.271990	-8.852451	-0.269236	6	-5.748636	-0.533387	-1.470277
1	-0.004526	-8.699149	-2.015456	6	-5.868686	0.554024	-2.343557
1	1.369292	-8.898355	-0.927870	6	-6.906174	-1.113603	-0.938578
79	2.039395	1.159004	0.122878	6	-7.128058	1.051719	-2.679456
15	3.229504	0.214004	1.923424	1	-4.979500	1.026436	-2.753774
1	2.526157	-0.792350	2.607195	6	-8.166737	-0.620524	-1.280208
1	4.421681	-0.454642	1.594062	1	-6.824150	-1.956906	-0.255997
1	3.662720	1.026944	2.988361	6	-8.279828	0.464280	-2.150990
6	-4.112285	-1.356485	-0.223226	1	-7.209177	1.900246	-3.352772
1	-3.685006	-2.333164	-0.469042	1	-9.057027	-1.079256	-0.859833
1	-4.373987	-1.389685	0.839878	1	-9.259320	0.853464	-2.413004
6	-5.353687	-1.090551	-1.060410	8	2.736515	2.310497	-4.431265
6	-5.268436	-0.577511	-2.359846	1	3.524165	2.860428	-4.598425
6	-6.609805	-1.415931	-0.535162	1	2.048085	2.449263	-5.223785
6	-6.422953	-0.393393	-3.121456	8	0.868351	2.645133	-6.107208
1	-4.302266	-0.305623	-2.777702	1	0.977512	3.238305	-6.867024
6	-7.764284	-1.239335	-1.299764	1	0.218795	3.090264	-5.475913
1	-6.687671	-1.811678	0.475334				
6	-7.672811	-0.726259	-2.594553	A-TS11			
1	-6.345917	0.011381	-4.126526	6	-4.126428	-0.708940	3.121184
1	-8.732970	-1.495007	-0.880288	6	-2.798910	-0.394325	2.727855
1	-8.570395	-0.581982	-3.188695	6	-2.354814	0.928296	2.898809
8	3.243905	0.509721	-3.496979	6	-3.227586	1.878432	3.423922
1	4.027322	0.699324	-4.046020	6	-4.542835	1.541476	3.784441
1	2.343572	0.612031	-4.140115	6	-5.010822	0.238524	3.637857
A-TS10				6	-3.186715	-2.616393	2.407866
6	-3.242152	0.733689	0.131424	6	-2.212152	-1.634151	2.245921
6	-2.065262	1.508816	-0.009143	1	-1.345146	1.223513	2.638045
6	-1.768278	2.444259	0.994813	1	-2.884473	2.901078	3.552295
6	-2.638712	2.583038	2.074507	1	-5.204812	2.305510	4.181579
6	-3.804135	1.808407	2.178072	1	-6.029253	-0.024036	3.905547
6	-4.124262	0.867984	1.201749	7	-4.336864	-2.073609	2.912292
6	-2.249769	0.035383	-1.753854	8	-0.383821	-2.328093	-1.281950
6	-1.437903	1.070554	-1.251647	6	0.692159	-1.719660	-1.088787
1	-0.878275	3.060771	0.956183	6	1.685008	-1.567955	-2.143878
1	-2.410279	3.308730	2.849236	6	1.064641	-1.106492	0.209958
1	-4.467144	1.944161	3.026852	6	2.748455	-0.715414	-2.031051
1	-5.031588	0.277748	1.269388	1	1.485982	-2.107572	-3.065745
7	-3.322890	-0.154261	-0.955160	6	2.116619	-0.113431	0.213680
8	-0.365879	3.620576	-4.008827	1	2.107271	-2.211908	0.647873
6	0.661769	4.138060	-3.463959	6	2.965772	0.051461	-0.847283
6	1.263781	5.343268	-3.978540	1	3.437369	-0.601993	-2.865822
6	1.392041	3.456973	-2.380166	1	2.278637	0.454246	1.128994
6	2.399478	5.889810	-3.427802	1	3.796044	0.747938	-0.791097
				6	-2.990016	-4.059985	2.053844

1	-3.489786	-4.728253	2.757100	6	0.713235	2.215992	-1.531658
1	-3.381421	-4.276053	1.048636	1	0.174951	3.092441	-1.169885
7	-1.559324	-4.368721	2.054728	16	1.032752	-2.089662	-0.528968
6	-0.737840	-3.426309	1.282618	8	2.395372	-1.637989	-0.839779
1	-0.990583	-3.519191	0.218008	8	0.453093	-1.755039	0.786692
1	0.314161	-3.703913	1.361824	6	0.889919	-3.851122	-0.763543
6	-0.939700	-1.956042	1.640713	6	1.402831	-4.432196	-1.929256
6	-0.003533	-0.968912	1.249717	6	0.321410	-4.630085	0.245605
1	-0.365814	0.052774	1.361201	6	1.328646	-5.812038	-2.079098
16	-0.905510	-5.072696	3.454256	1	1.851581	-3.814789	-2.700374
8	0.098430	-4.174392	4.051507	6	0.256876	-6.013112	0.073265
8	-2.046467	-5.546452	4.249009	1	-0.054249	-4.159558	1.147788
6	-0.031409	-6.493396	2.809456	6	0.757890	-6.625192	-1.083359
6	1.312834	-6.374262	2.457657	1	1.723016	-6.270698	-2.981990
6	-0.712767	-7.703588	2.657985	1	-0.185859	-6.625402	0.854118
6	1.975454	-7.481239	1.929582	6	0.712268	-8.123653	-1.252949
1	1.836143	-5.438969	2.607867	1	0.004746	-8.586523	-0.559031
6	-0.031239	-8.799531	2.135594	1	0.425162	-8.401901	-2.272580
1	-1.750529	-7.785999	2.962858	1	1.699045	-8.565270	-1.063338
6	1.316814	-8.705537	1.754714	79	1.664506	1.480669	0.333212
1	3.021799	-7.383412	1.654728	15	2.646058	0.600945	2.282823
1	-0.553583	-9.746649	2.024665	1	1.763774	0.157134	3.283546
6	2.032707	-9.890891	1.152693	1	3.429526	-0.546656	2.074128
1	1.890416	-9.921346	0.064275	1	3.524395	1.402249	3.036829
1	3.110452	-9.845199	1.338628	6	-4.128005	-1.419628	-0.146036
1	1.655238	-10.836169	1.556681	1	-3.626774	-2.357939	-0.402893
79	0.902026	-1.305000	3.273627	1	-4.375999	-1.481294	0.919054
15	2.232439	-1.615074	5.173364	6	-5.395120	-1.247976	-0.969487
1	3.279631	-0.703857	5.396159	6	-5.365936	-0.704986	-2.259102
1	1.626901	-1.632035	6.446033	6	-6.614102	-1.690350	-0.442246
1	2.924382	-2.835944	5.191040	6	-6.538328	-0.607350	-3.009406
6	-5.584233	-2.767330	3.205322	1	-4.430485	-0.341324	-2.677113
1	-5.363755	-3.838842	3.242411	6	-7.785862	-1.599924	-1.195495
1	-5.900025	-2.485971	4.216587	1	-6.649527	-2.109561	0.561142
6	-6.711066	-2.496452	2.217609	1	-7.750244	-1.056945	-2.480842
6	-6.460380	-2.206521	0.872017	1	-6.505328	-0.178022	-4.006705
6	-8.037086	-2.584964	2.658997	1	-8.725307	-1.945834	-0.774239
6	-7.519033	-2.012080	-0.017080	1	-8.662025	-0.979738	-3.065755
1	-5.437455	-2.118030	0.516711	1	-0.194413	2.307318	-5.175686
6	-9.095819	-2.396691	1.769796	A-TS12			
1	-8.243420	-2.802765	3.705112				
6	-8.838732	-2.108865	0.427917	6	-3.242324	2.250383	-0.296190
1	-7.309683	-1.781941	-1.058078	6	-1.918756	2.553474	-0.706192
1	-10.119594	-2.466639	2.127280	6	-1.512826	3.896141	-0.752832
1	-9.661320	-1.955629	-0.265072	6	-2.418980	4.885110	-0.382780
16	4.211137	-2.627620	1.530887	6	-3.727458	4.562847	0.018393
8	5.165614	-2.365397	0.463141	6	-4.160591	3.240387	0.061899
8	2.789536	-3.046065	1.017543	6	-2.242720	0.298437	-0.781162
8	4.130661	-1.703351	2.672540	6	-1.293590	1.286612	-1.033996
6	4.696361	-4.269072	2.267590	1	-0.511505	4.160710	-1.074206
9	3.922558	-4.547439	3.333340	1	-2.111548	5.926495	-0.409674
9	4.567156	-5.256790	1.377442	1	-4.415872	5.356577	0.293728
9	5.965550	-4.202553	2.670811	1	-5.176925	3.001159	0.359806
A-IN11				7	-3.402868	0.857958	-0.332658
				8	0.292359	1.671940	-3.222998
6	-3.320840	0.957590	0.193022	6	1.162679	2.738681	-2.996266
6	-2.176230	1.721865	-0.139780	6	1.447588	3.692652	-3.964627
6	-2.115518	3.054016	0.297586	6	1.687020	2.778934	-1.706220
6	-3.180745	3.575399	1.029778	6	2.305070	4.739841	-3.618671
6	-4.308732	2.796801	1.333368	1	1.017608	3.609971	-4.957307
6	-4.396200	1.470540	0.915947	6	2.530470	3.844319	-1.371071
6	-1.954401	-0.412375	-0.942474	6	2.836297	4.815441	-2.326958
6	-1.306771	0.835530	-0.900988	1	2.557704	5.493731	-4.358326
1	-1.262055	3.686150	0.081477	1	2.955220	3.903670	-0.372272
1	-3.138344	4.606374	1.367707	1	3.498848	5.635143	-2.063008
1	-5.127019	3.233364	1.897491	6	-1.989986	-1.175346	-0.846548
1	-5.273681	0.871484	1.134022	1	-2.387523	-1.689094	0.032414
7	-3.149806	-0.342642	-0.313836	1	-2.474746	-1.609174	-1.740111
8	-0.008865	2.160746	-4.234279	7	-0.534476	-1.357634	-0.871234
6	1.280653	2.551575	-3.967741	6	0.123318	-0.535045	-1.893943
6	2.147928	2.944674	-4.990705	1	-0.387593	-0.649520	-2.859807
6	1.700551	2.546146	-2.620527	1	1.156817	-0.851156	-2.016582
6	3.444972	3.355177	-4.690886	6	0.044148	0.933899	-1.440827
1	1.801501	2.932627	-6.022466	6	1.211622	1.673717	-0.803226
6	3.007774	2.979310	-2.352217	1	0.845840	2.114200	0.129860
6	3.879357	3.375855	-3.365241	16	0.033073	-2.942316	-0.621287
1	4.109817	3.660774	-5.493230	8	1.479954	-2.824886	-0.431088
1	3.344311	3.008312	-1.318855	8	-0.840580	-3.488733	0.422044
1	4.885616	3.700184	-3.120297	6	-0.265052	-3.853332	-2.133296
6	-1.388470	-1.632325	-1.610680	6	0.612029	-3.707269	-3.214811
1	-1.584065	-2.542970	-1.037218	6	-1.391588	-4.675299	-2.219240
1	-1.847281	-1.780583	-2.599432	6	0.336555	-4.392656	-4.395427
7	0.059103	-1.490343	-1.810228	1	1.492630	-3.074787	-3.146310
6	0.450040	-0.181094	-2.351902	6	-1.640025	-5.358978	-3.409118
1	0.020139	-0.103726	-3.358636	1	-2.044754	-4.790366	-1.360984
1	1.534034	-0.155877	-2.458508	6	-0.785905	-5.227210	-4.512401
6	-0.052512	1.013811	-1.545994	1	1.008536	-4.267124	-5.239288

1	-2.510097	-6.007065	-3.479530	15	1.765822	-1.723499	5.318395
6	-1.051586	-5.974483	-5.797530	1	2.537703	-0.745883	5.980708
1	-0.305754	-6.764052	-5.955128	1	0.841634	-2.036822	6.331851
1	-2.039058	-6.446246	-5.792727	1	2.630845	-2.828686	5.426380
1	-0.997641	-5.305243	-6.663884	6	-5.622817	-2.635805	3.343833
79	2.812927	0.358061	-0.353439	1	-5.403631	-3.704490	3.436584
15	4.466297	-1.323966	-0.136709	1	-5.908992	-2.296084	4.346280
1	4.408046	-2.206343	0.960285	6	-6.780484	-2.421079	2.377296
1	4.441421	-2.230136	-1.209359	6	-6.571256	-2.162237	1.018565
1	5.840567	-1.002992	-0.103946	6	-8.092498	-2.528276	2.855354
6	-4.594829	0.122829	0.086137	6	-7.656981	-2.017467	0.152560
1	-4.294126	-0.664127	0.786904	1	-5.560224	-2.058999	0.634770
1	-5.210652	0.822497	0.659180	6	-9.177813	-2.389317	1.989704
6	-5.389794	-0.479201	-1.061464	1	-8.266863	-2.721524	3.912160
6	-5.611879	0.238552	-2.244106	6	-8.962114	-2.132770	0.634069
6	-5.944985	-1.756524	-0.925323	1	-7.479493	-1.811160	-0.899311
6	-6.378356	-0.314256	-3.270053	1	-10.190194	-2.473213	2.375735
1	-5.179535	1.228333	-2.365548	1	-9.805631	-2.017994	-0.041044
6	-6.718030	-2.307494	-1.949598				
1	-5.772636	-2.325290	-0.013986	C			
6	-6.935495	-1.587404	-3.124812	6	-3.638564	3.583488	-0.244730
1	-6.540166	0.250251	-4.184169	6	-2.218181	3.670195	-0.259668
1	-7.141435	-3.301052	-1.830664	6	-1.610229	4.924456	-0.436782
1	-7.531487	-2.016298	-3.925524	6	-2.414753	6.047708	-0.582299
1	0.768455	0.976889	-3.836652	6	-3.819160	5.942744	-0.565122
16	2.893258	-0.437060	-4.498698	6	-4.449252	4.713201	-0.402144
8	3.858843	0.665827	-4.481581	6	-2.818447	1.508947	0.024863
8	1.456824	-0.016571	-4.721071	6	-1.725902	2.329121	-0.090210
8	3.034008	-1.460753	-3.433809	1	-0.528540	5.009491	-0.467651
6	3.226908	-1.374757	-6.068358	1	-1.955636	7.022980	-0.718503
9	2.350639	-2.387463	-6.211801	1	-4.424398	6.836666	-0.688047
9	3.121021	-0.573482	-7.133101	1	-5.533398	4.643967	-0.404243
9	4.461953	-1.890383	-6.037246	7	-3.987375	2.248528	-0.060402
				8	0.502561	2.378352	-1.042542
A-IN12				6	1.742878	2.629045	-0.515461
6	-4.163506	-0.593310	3.101661	6	2.852635	2.994377	-1.268346
6	-2.854561	-0.305018	2.630858	6	1.790123	2.493649	0.874270
6	-2.403984	1.024231	2.702748	6	4.049062	3.223420	-0.578345
6	-3.250124	2.005831	3.212846	1	2.785538	3.091095	-2.347201
6	-4.546240	1.693155	3.656414	6	2.984991	2.721324	1.546096
6	-5.021635	0.385682	3.605213	1	0.359321	1.297292	2.042216
6	-3.258623	-2.537084	2.439686	6	4.121150	3.086278	0.810694
6	-2.289604	-1.568928	2.187435	1	4.936615	3.507387	-1.137730
1	-1.410704	1.300417	2.368722	1	3.039740	2.619033	2.627063
1	-2.902545	3.033917	3.262334	1	5.062121	3.263133	1.323685
1	-5.188573	2.480542	4.040338	6	-2.781358	0.024934	0.221109
1	-6.027521	0.142900	3.932977	1	-3.433464	-0.292706	1.039443
7	-4.385334	-1.964664	2.974129	1	-3.116678	-0.495227	-0.693845
8	-0.559891	-2.426448	-1.268435	7	-1.401190	-0.344084	0.579333
6	0.614047	-1.986505	-1.064689	6	-0.355929	0.280145	-0.243208
6	1.662430	-2.138803	-2.047765	1	-0.532518	0.116671	-1.316235
6	0.994575	-1.260053	0.146850	1	0.607637	-0.152239	0.030739
6	2.906948	-1.567780	-1.902283	6	-0.331657	1.803872	0.019505
1	1.405621	-2.713602	-2.934068	6	0.401814	2.146830	1.352586
6	2.266066	-0.646725	0.226980	1	-0.077357	2.999318	1.849836
6	3.222161	-0.791104	-0.764042	16	-1.162246	-1.942243	1.080407
1	3.654652	-1.700077	-2.683331	8	0.213702	-2.007209	1.575920
1	2.497399	-0.045375	1.107582	8	-2.314163	-2.265857	1.926150
1	4.192969	-0.312419	-0.670242	6	-1.259975	-2.972234	-0.387177
6	-3.087332	-3.997604	2.145438	6	-0.102430	-3.233792	-1.125399
1	-3.547793	-4.633859	2.904079	6	-2.497284	-3.473900	-0.799338
1	-3.537356	-4.257372	1.175541	6	-0.194662	-3.995043	-2.288208
7	-1.659902	-4.323206	2.073860	1	0.856231	-2.863152	-0.778482
6	-0.862174	-3.399814	1.250493	6	-2.569495	-4.232987	-1.965867
1	-1.136951	-3.505253	0.184256	1	-3.382908	-3.289454	-0.200664
1	0.192637	-3.683928	1.287584	6	-1.424949	-4.504748	-2.728152
6	-1.029991	-1.932880	1.584094	1	0.705952	-4.201660	-2.861257
6	-0.025629	-0.999513	1.187800	1	-3.531296	-4.625799	-2.286316
1	-0.311761	0.049449	1.285333	6	-1.507141	-5.354672	-3.973565
16	-0.940894	-5.039703	3.423770	1	-1.310552	-6.409916	-3.742239
8	-0.016562	-4.117327	4.114429	1	-2.499982	-5.300637	-4.431465
8	-2.028639	-5.674208	4.180766	1	-0.769385	-5.043556	-4.720466
6	0.067495	-6.316317	2.676514	6	-5.338045	1.717872	0.033551
6	1.430473	-6.103333	2.474290	1	-5.397748	1.046834	0.898775
6	-0.537011	-7.517993	2.295213	1	-5.996301	2.562797	0.262192
6	2.191526	-7.104206	1.868668	6	-5.827857	0.991106	-1.211306
1	1.887402	-5.171022	2.787220	6	-5.473751	1.425464	-2.494537
6	0.239199	-8.506172	1.699417	6	-6.682124	-0.109628	-1.078831
1	-1.595899	-7.673325	2.472699	6	-5.970342	0.771672	-3.622616
6	1.612623	-8.315814	1.472722	1	-4.804738	2.273833	-2.609383
1	3.252018	-6.936385	1.700197	6	-7.184201	-0.760674	-2.206877
1	-0.227047	-9.442253	1.401768	1	-6.957349	-0.460701	-0.086197
6	2.441482	-9.403790	0.832897	6	-6.828382	-0.321326	-3.482749
1	1.937848	-9.823475	-0.045186	1	-5.686162	1.117764	-4.612809
1	3.419062	-9.028681	0.515627	1	-7.846147	-1.614333	-2.087423
1	2.613838	-10.231632	1.533054	1	-7.214247	-0.828961	-4.362652
79	0.853108	-1.316055	3.199881				

B							
6	-3.716720	-0.610758	1.009924	6	-2.463099	-3.818089	1.165315
6	-2.487786	-0.271008	0.399680	1	-2.081318	-3.509914	2.143531
6	-2.033849	1.055239	0.411870	1	-3.482811	-4.196396	1.281908
6	-2.815198	2.016712	1.040250	6	-1.810571	-4.802254	-0.915158
6	-4.033726	1.665944	1.647742	1	-2.646632	-5.463002	-1.189293
6	-4.505924	0.355445	1.641813	1	-0.917641	-5.142881	-1.440914
6	-2.827446	-2.523783	0.102538	6	-2.174709	-3.365004	-1.228835
6	-1.960112	-1.495635	-0.144012	6	-2.246744	-2.768411	-2.420843
1	-1.092510	1.319108	-0.059039	1	-2.550768	-1.719321	-2.435384
1	-2.482263	3.050554	1.063027	16	-1.530041	-6.337838	1.284509
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1	-5.443125	0.087856	2.108688	8	-0.814502	-7.185508	0.330512
7	-3.939833	-1.989503	0.804891	6	-0.512837	-6.037404	2.720566
8	-0.821212	-1.639832	-0.894746	6	-1.098244	-6.039284	3.987598
6	0.409447	-1.259388	-0.379397	6	0.863923	-5.852859	2.558656
6	1.419807	-1.052296	-1.322087	6	-0.288377	-5.841926	5.106167
6	0.665942	-1.130836	0.987214	1	-2.164790	-6.208682	4.089782
6	2.699105	-0.710125	-0.889854	6	1.653913	-5.656878	3.687258
1	1.185927	-1.164566	-2.376101	1	1.305200	-5.876906	1.567750
6	1.954033	-0.782566	1.402651	6	1.094416	-5.652408	4.976622
1	-0.120947	-1.303220	1.713853	1	-0.737735	-5.847709	6.095731
6	2.972757	-0.570583	0.473815	1	2.725838	-5.519177	3.569795
1	3.484349	-0.549522	-1.623619	6	1.970056	-5.486411	6.194889
1	2.155839	-0.682502	2.465760	1	2.820478	-4.826645	5.993630
1	3.970756	-0.301438	0.807127	1	1.409568	-5.077291	7.041120
6	-2.586408	-3.959923	-0.242542	1	2.379509	-6.454375	6.511794
1	-3.428629	-4.404841	-0.764937	7	-1.560551	-4.790558	0.544896
1	-1.722333	-3.975354	-0.917850	79	-1.909480	-3.639149	-4.228777
7	-2.301618	-4.795765	0.953510	15	-1.535073	-4.643179	-6.373476
6	-1.118847	-4.418947	1.752656	1	-2.659580	-4.925306	-7.174361
1	-0.382280	-3.933456	1.098481	1	-0.746522	-3.943594	-7.308589
1	-0.649163	-5.333439	2.124876	1	-0.894355	-5.897324	-6.410721
6	-1.444151	-3.530889	2.875847	6	-4.984843	-2.259687	-0.174155
6	-1.695020	-2.814316	3.815803	8	-5.939067	-1.518723	-0.244897
1	-1.926800	-2.171443	4.634898	8	-4.999646	-3.579423	-0.362563
6	-5.157797	-2.601775	1.110070	6	-6.293287	-4.147593	-0.685057
8	-5.999049	-2.111371	1.834071	1	-6.118876	-5.220108	-0.751043
8	-5.297090	-3.778854	0.476834	1	-7.010549	-3.915039	0.103992
6	-6.553795	-4.443841	0.708609	1	-6.646695	-3.747554	-1.637261
1	-7.379594	-3.812549	0.372166	B-TS1			
1	-6.498972	-5.360188	0.123123	6	-3.668618	-0.378441	0.199086
1	-6.673836	-4.672429	1.769061	6	-2.441255	0.284344	0.393408
16	-2.679535	-6.446211	0.853479	6	-2.397710	1.677801	0.476089
8	-3.156336	-6.723394	-0.506395	6	-3.594925	2.382493	0.360057
8	-1.547047	-7.197565	1.412157	6	-4.807133	1.709176	0.151149
6	-4.075783	-6.684382	1.960581	6	-4.869650	0.317810	0.063509
6	-5.008500	-7.665534	1.618672	6	-2.087959	-2.024051	0.377984
6	-4.182149	-5.986316	3.164357	6	-1.399566	-0.758005	0.494739
6	-6.055263	-7.946493	2.495545	1	-1.460637	2.198598	0.631153
1	-4.918753	-8.190817	0.673626	1	-3.587536	3.465384	0.432480
6	-5.237911	-6.278463	4.026221	1	-5.726275	2.280028	0.060993
1	-3.467422	-5.211455	3.422789	1	-5.804433	-0.202193	-0.090606
6	-6.185837	-7.264178	3.712770	7	-3.434821	-1.787544	0.184988
1	-6.783742	-8.707802	2.227174	8	-0.314602	-0.706480	1.314597
1	-5.327854	-5.727305	4.959137	6	0.597690	0.361966	1.276441
6	-7.302992	-7.595509	4.673270	6	0.949892	1.027978	0.103628
1	-8.176157	-7.999068	4.150567	6	1.188877	0.671819	2.499869
1	-6.981386	-8.350896	5.402430	6	1.909749	2.042811	0.174270
1	-7.621171	-6.713588	5.238954	1	0.493834	0.769094	-0.844684
				6	2.149371	1.681422	2.550392
B-IN1'				1	0.890992	0.125381	3.388757
6	-3.348489	-0.493185	0.333241	6	2.510154	2.371726	1.389992
6	-1.929795	-0.351233	0.498368	1	2.188631	2.571254	-0.732675
6	-1.352941	0.930081	0.726170	1	2.611420	1.930727	3.500833
6	-2.186871	2.022001	0.782576	1	3.255279	3.159859	1.433885
6	-3.586412	1.864283	0.613400	6	-1.442763	-3.325439	0.805185
6	-4.185536	0.633850	0.390877	1	-0.876412	-3.118750	1.727232
6	-2.469125	-2.658013	0.127961	1	-2.184298	-4.096678	0.990811
6	-1.393087	-1.645244	0.408855	6	0.116582	-2.571875	-0.885262
1	-0.283965	1.039234	0.850594	1	0.515475	-2.848928	-1.860977
1	-1.777914	3.011691	0.955511	1	0.938688	-2.210149	-0.250224
1	-4.219921	2.745577	0.661156	6	-0.961765	-1.522897	-1.058466
1	-5.253125	0.533037	0.263650	6	-1.439966	-1.010293	-2.207004
7	-3.682599	-1.818467	0.142476	1	-2.273303	-0.311781	-2.126377
8	-0.179534	-2.099774	0.535985	16	0.158885	-5.251754	-0.262272
6	0.944771	-1.244262	0.692923	8	-0.906627	-6.154760	0.175397
6	1.535497	-0.715328	-0.448618	8	0.823187	-5.369958	-1.560012
6	1.451688	-1.053858	1.971934	6	1.410723	-5.201069	1.011855
6	2.677669	0.072703	-0.288137	6	1.076327	-5.557859	2.322303
1	1.117476	-0.922499	-1.428693	6	2.707612	-4.790389	0.687032
6	2.594544	-0.262056	2.111103	6	2.054006	-5.489596	3.312562
1	0.971067	-1.517064	2.827404	1	0.077190	-5.912948	2.551984
6	3.202475	0.302611	0.986762	6	3.669776	-4.729551	1.692527
1	3.159285	0.499105	-1.162630	1	2.962693	-4.554003	-0.340555
1	3.010265	-0.093744	3.099700	6	3.362244	-5.076615	3.017163
1	4.092123	0.913653	1.102897	1	1.800526	-5.775151	4.330162

1	4.680946	-4.419281	1.442423	6	-3.371099	-0.446948	1.627115
6	4.423301	-5.046463	4.089937	6	-2.131264	-0.495782	0.906580
1	5.188152	-4.292736	3.878141	6	-1.606912	0.672192	0.286775
1	3.994166	-4.834331	5.074263	6	-2.316155	1.845464	0.400324
1	4.931935	-6.016884	4.158764	6	-3.534335	1.879231	1.125990
7	-0.576849	-3.725454	-0.304102	6	-4.077857	0.761424	1.741445
79	-0.778542	-1.412775	-4.090006	6	-2.632316	-2.664016	1.795995
15	-0.067323	-1.902371	-6.321762	6	-1.708072	-1.833459	0.952202
1	-0.609171	-3.053309	-6.924297	1	-0.673396	0.634426	-0.259079
1	-0.328366	-0.943451	-7.318831	1	-1.944831	2.753618	-0.062251
1	1.306055	-2.126129	-6.534795	1	-4.068892	2.821869	1.203046
6	-4.403940	-2.729584	-0.275435	1	-5.007277	0.805703	2.289899
8	-5.575986	-2.460168	-0.368130	7	-3.697725	-1.697864	2.110816
8	-3.820475	-3.885525	-0.568163	8	-0.697988	-2.456066	0.411612
6	-4.698270	-4.960514	-0.991495	6	0.389911	-1.768823	-0.197197
1	-5.168790	-4.697937	-1.940745	6	0.503620	-1.829872	-1.579440
1	-4.041238	-5.821589	-1.099883	6	1.329913	-1.154424	0.622119
1	-5.463070	-5.137395	-0.233098	6	1.608934	-1.212257	-2.170734
B-IN2				1	-0.243228	-2.350155	-2.169911
6	-3.709731	-0.333354	0.388430	6	2.427224	-0.543559	0.011151
6	-2.472732	0.313891	0.295572	1	1.209630	-1.165036	1.701044
6	-2.434327	1.702019	0.225269	6	2.564225	-0.568757	-1.379750
6	-3.646815	2.404229	0.255047	1	1.722963	-1.243051	-3.249747
6	-4.869093	1.731672	0.341500	1	3.178313	-0.057172	0.625820
6	-4.926703	0.334767	0.407320	1	3.422469	-0.095854	-1.846736
6	-2.169557	-2.005926	0.455245	6	-3.071833	-3.987027	1.100774
6	-1.379000	-0.730395	0.270735	1	-4.156426	-4.021091	0.986467
1	-1.490985	2.230783	0.152837	1	-2.606759	-4.068703	0.111276
1	-3.634517	3.488745	0.210093	7	-2.611704	-5.055379	2.002989
1	-5.795202	2.297237	0.362005	6	-1.455465	-4.575013	2.790526
1	-5.869022	-0.190458	0.486462	1	-0.505603	-4.675731	2.242067
7	-3.461657	-1.760727	0.439856	1	-1.369560	-5.133762	3.722943
8	-0.435297	-0.698480	1.353709	6	-1.796189	-3.126837	3.036184
6	0.252735	0.491832	1.608734	6	-1.467636	-2.343589	4.066286
6	1.235939	0.971712	0.740021	1	-1.796819	-1.302980	4.023940
6	-0.025587	1.143231	2.810999	6	-4.803024	-1.957787	2.946291
6	1.935486	2.131354	1.083855	8	-5.594008	-1.108987	3.291743
1	1.455234	0.447661	-0.182905	8	-4.839443	-3.250149	3.263589
6	0.689443	2.293055	3.149063	6	-5.927750	-3.655776	4.124712
1	-0.788239	0.738402	3.468593	1	-6.883740	-3.367084	3.683774
6	1.665686	2.793059	2.283961	1	-5.838575	-4.738701	4.192927
1	2.702453	2.509356	0.413936	1	-5.818421	-3.190466	5.106571
1	0.480781	2.797766	4.087802	16	-2.419193	-6.597176	1.282096
1	2.219318	3.689228	2.547337	8	-2.009836	-6.432892	-0.119921
6	-1.429495	-3.300601	0.537322	8	-1.595204	-7.347476	2.231278
1	-0.702115	-3.209038	1.360678	6	-4.089150	-7.228417	1.306095
1	-2.082096	-4.153236	0.696839	6	-4.831817	-7.265438	0.125717
6	0.107514	-2.282400	-1.104203	6	-4.617545	-7.708584	2.509033
1	0.509162	-2.454067	-2.101375	6	-6.129107	-7.778590	0.159134
1	0.935307	-2.220249	-0.380736	1	-4.392497	-6.916143	-0.802583
6	-0.711799	-0.998759	-1.105869	6	-5.912593	-8.216729	2.520933
6	-0.900612	-0.216451	-2.184407	1	-4.014320	-7.699586	3.410942
1	-1.553096	0.645337	-2.051192	6	-6.688584	-8.261842	1.349502
16	-0.427083	-4.983799	-1.342474	1	-6.710741	-7.813505	-0.758265
8	-1.604241	-5.779053	-0.981132	1	-6.326856	-8.599056	3.450540
8	0.002739	-4.788429	-2.725276	6	-8.077376	-8.852575	1.370948
6	0.962432	-5.578761	-0.390742	1	-8.605450	-8.604841	2.297843
6	0.735199	-6.309717	0.779399	1	-8.678740	-8.498301	0.528334
6	2.262681	-5.287079	-0.816584	1	-8.034136	-9.947538	1.306229
6	1.826912	-6.741382	1.529850	79	-0.427394	-2.893284	5.727384
1	-0.277103	-6.559996	1.078310	15	0.792028	-3.507077	7.695832
6	3.339017	-5.727260	-0.050795	1	1.287072	-2.473334	8.515118
1	2.425202	-4.749506	-1.744665	1	0.131837	-4.287002	8.665848
6	3.142125	-6.458885	1.131219	1	1.965498	-4.269669	7.533969
1	1.655031	-7.316968	2.435506	B-IN3			
1	4.351007	-5.508746	-0.381459	6	0.424230	3.775623	-1.003412
6	4.318535	-6.961387	1.931371	6	0.969762	2.929005	-2.022280
1	5.164015	-6.267945	1.880602	6	1.852137	3.454732	-3.004949
1	4.056385	-7.107443	2.983635	6	2.161948	4.795209	-2.954115
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7	-0.782087	-3.412970	-0.773832	6	0.748058	5.139891	-0.965876
79	-0.131063	-0.452007	-4.053179	6	-0.447451	1.637454	-0.580170
15	0.694744	-0.721681	-6.287756	6	0.462269	1.640114	-1.778213
1	0.215926	-1.823069	-7.023629	1	2.268544	2.813431	-3.770013
1	0.456989	0.313069	-7.213701	1	2.832545	5.226846	-3.689382
1	2.081157	-0.894365	-6.468959	1	1.872641	6.673335	-1.927183
6	-4.551388	-2.745606	0.404819	1	0.343960	5.782678	-0.198058
8	-5.628628	-2.499632	0.872154	7	-0.401886	3.047846	-0.161638
8	-4.132375	-3.825724	-0.215741	8	0.634163	0.502514	-2.377514
6	-5.076386	-4.928621	-0.343366	6	1.408551	0.375048	-3.576789
1	-5.902357	-4.619859	-0.986165	6	0.754292	0.538896	-4.791045
1	-4.491372	-5.725685	-0.797010	6	2.743702	0.018098	-3.448850
1	-5.448607	-5.210257	0.643019	6	1.508682	0.374755	-5.955291
B-IN1				1	-0.307778	0.756288	-4.819469
6				6	3.474450	-0.138885	-4.631291
1				1	3.179829	-0.157382	-2.464393

6	2.865190	0.046268	-5.875358	8	-4.000020	1.351776	4.137216
1	1.029952	0.494240	-6.922374	8	-5.041366	-0.656108	4.250596
1	4.522718	-0.415923	-4.572287	6	-5.866582	-0.126144	5.310477
1	3.443579	-0.081276	-6.785457	1	-6.417177	0.749504	4.960956
6	-1.880911	1.121194	-0.972347	1	-6.548378	-0.935294	5.570135
1	-2.595106	1.585558	-0.288810	1	-5.249269	0.150597	6.167673
1	-2.158453	1.346749	-2.001669	16	-5.023870	-4.900443	0.957988
7	-1.816481	-0.313728	-0.750050	8	-5.249057	-4.197583	-0.303965
6	-0.892121	-0.611422	0.359734	8	-3.935548	-5.899657	1.091133
1	-0.342937	-1.535655	0.173476	6	-6.526007	-5.736727	1.430636
1	-1.456941	-0.727290	1.293716	6	-7.747540	-5.227272	0.979776
6	0.033188	0.598752	0.462606	6	-6.471012	-6.872187	2.241256
6	1.077789	0.765433	1.276646	6	-8.924201	-5.866747	1.358243
1	1.601759	1.722213	1.210462	1	-7.771635	-4.359833	0.328831
6	-1.000220	3.579630	0.994407	6	-7.662117	-7.495879	2.609219
8	-0.844214	4.721536	1.364316	1	-5.514361	-7.272113	2.558875
8	-1.759972	2.661195	1.601498	6	-8.903466	-7.007966	2.176420
6	-2.389115	3.102653	2.828377	1	-9.876177	-5.478905	1.005284
1	-3.037883	3.958213	2.631664	1	-7.625380	-8.383545	3.235081
1	-2.965874	2.245851	3.173327	6	-10.186724	-7.708759	2.549957
1	-1.626729	3.378250	3.559402	1	-10.058190	-8.340058	3.434201
16	-1.985212	-1.377695	-2.067001	1	-10.989440	-6.992331	2.753666
8	-2.199891	-0.540540	-3.252509	1	-10.529136	-8.354443	1.730966
8	-0.874773	-2.343664	-2.015105	79	-2.019884	-3.680504	6.256439
6	-3.485307	-2.281610	-1.733900	15	-1.558842	-4.977248	8.221791
6	-4.702156	-1.773885	-2.196924	1	-0.475986	-4.570477	9.025967
6	-3.425662	-3.477671	-1.015304	1	-2.564763	-5.073319	9.203904
6	-5.871899	-2.477821	-1.924245	1	-1.244318	-6.342508	8.070079
1	-4.728602	-0.857050	-2.775872	8	-0.831885	-2.842425	1.988159
6	-4.608933	-4.164840	-0.753102	1	-0.976911	-3.815300	1.731687
1	-2.470889	-3.870965	-0.683696	1	-0.972857	-2.814984	2.959988
6	-5.847109	-3.680760	-1.200860	8	-1.255543	-5.326950	1.266716
1	-6.820723	-2.090847	-2.286354	1	-2.200040	-5.555452	1.089867
1	-4.568850	-5.097987	-0.197629	1	-0.843445	-6.110882	1.659231
6	-7.119123	-4.450334	-0.942439				
1	-7.030392	-5.088755	-0.058211	B-IN4			
1	-7.971467	-3.778947	-0.797137	6	0.783332	3.252922	-0.971819
1	-7.358914	-5.100574	-1.793832	6	1.671690	2.414558	-1.656607
79	1.835644	-0.576749	2.611482	6	2.923786	2.866527	-2.073359
15	2.836741	-2.112288	4.146206	6	3.276266	4.188729	-1.808043
1	4.148304	-1.829627	4.575502	6	2.373147	5.031357	-1.149057
1	2.218393	-2.331770	5.393549	6	1.119638	4.587187	-0.721413
1	3.004371	-3.446182	3.725124	6	-0.249174	1.104901	-0.910582
8	3.491865	-0.894821	-0.473253	6	1.027197	1.089363	-1.876276
1	2.896350	-1.670025	-0.578529	1	3.605505	2.200877	-2.591553
1	2.981831	-0.307937	0.106678	1	4.245995	4.564701	-2.117739
8	1.565566	-2.931073	-0.705172	1	2.651231	6.063129	-0.953937
1	0.848543	-2.710614	-1.330450	1	0.435679	5.242198	-0.202750
1	1.834138	-3.834164	-0.931758	7	-0.388127	2.542958	-0.603229
B-TS2				8	0.670100	0.726147	-3.150624
6	-2.354697	0.315064	2.060022	6	1.461979	1.080282	-4.264607
6	-1.684275	-0.541466	1.166201	6	1.185534	2.272796	-4.928381
6	-0.619564	-0.079036	0.377509	6	2.421621	0.185144	-4.730170
6	-0.256526	1.257004	0.471061	6	1.911250	2.586418	-6.078588
6	-0.949605	2.111952	1.343725	1	0.416143	2.937148	-4.549398
6	-1.997228	1.666260	2.147615	6	3.140847	0.512382	-5.882434
6	-3.385452	-1.811048	2.382114	1	2.577003	-0.759427	-4.220389
6	-2.270452	-1.870682	1.271100	6	2.890982	1.711211	-6.553550
1	-0.085848	-0.756641	-0.277343	1	1.705357	3.513751	-6.604666
1	0.564638	1.639899	-0.125802	1	3.888468	-0.178789	-6.260307
1	-0.658546	3.156701	1.405616	1	3.450101	1.957753	-7.451068
1	-2.511574	2.330590	2.825451	6	-1.464740	0.433833	-1.592743
7	-3.358105	-0.380566	2.758953	1	-2.392752	0.775998	-1.127905
8	-2.569246	-2.670614	0.253982	1	-1.493430	0.588506	-2.667403
6	-1.996547	-2.514524	-1.038578	7	-1.166858	-0.970525	-1.285099
6	-2.585718	-1.608935	-1.914288	6	-0.753026	-1.083736	0.120985
6	-0.937771	-3.335699	-1.408264	1	-0.130712	-1.969907	0.269730
6	-2.068453	-1.502580	-3.206376	1	-1.615506	-1.148132	0.802518
1	-3.429427	-1.006277	-1.595401	6	-0.001131	0.220482	0.337007
6	-0.432702	-3.214451	-2.705941	6	0.773878	0.543904	1.383960
1	-0.540766	-4.064782	-0.711015	1	1.208464	1.546467	1.365267
6	-0.990436	-2.298803	-3.600779	6	-1.342643	3.079755	0.254183
1	-2.515011	-0.800874	-3.904196	8	-1.382031	4.244567	0.591636
1	0.393535	-3.846894	-3.016409	8	-2.231537	2.145753	0.657061
1	-0.593979	-2.214030	-4.607927	6	-3.261576	2.641152	1.538171
6	-4.748811	-2.297281	1.804219	1	-3.835412	3.429927	1.047283
1	-5.552777	-1.773715	2.324386	1	-3.892595	1.778579	1.751504
1	-4.848194	-2.149134	0.731242	1	-2.818611	3.033146	2.456022
7	-4.766548	-3.725399	2.128908	16	-1.825180	-2.252236	-2.127248
6	-4.001504	-4.008480	3.352589	8	-2.162641	-1.743524	-3.452414
1	-3.390674	-4.905572	3.219160	8	-0.812271	-3.327616	-1.954680
1	-4.666485	-4.170757	4.210492	6	-3.306421	-2.796924	-1.302575
6	-3.152948	-2.765576	3.573928	6	-4.528310	-2.235120	-1.688253
6	-2.366944	-2.509556	4.628160	6	-3.237130	-3.748830	-0.280836
1	-1.871521	-1.534604	4.636117	6	-5.689400	-2.635139	-1.032682
6	-4.128259	0.204607	3.764196	1	-4.567671	-1.519893	-2.503010
				6	-4.412439	-4.133966	0.360642

1	-2.286374	-4.198269	-0.015447
6	-5.653412	-3.588446	-0.002476
1	-6.642502	-2.208642	-1.333737
1	-4.367211	-4.880617	1.149007
6	-6.925029	-4.042244	0.670970
1	-6.735821	-4.406243	1.685434
1	-7.660378	-3.233375	0.726486
1	-7.387512	-4.864026	0.108959
79	1.183686	-0.554127	3.048694
15	1.714214	-1.749318	5.061931
1	2.596057	-1.125689	5.966209
1	0.659807	-2.074350	5.938189
1	2.332610	-3.011046	4.954938
8	2.015142	-0.007595	-1.416109
1	1.795616	-1.010242	-1.814402
1	1.925973	-0.044391	-0.424912
8	1.661255	-2.291756	-2.297922
1	0.751067	-2.704857	-2.242967
1	2.307478	-2.955824	-2.009047

B-IN5

6	1.612011	2.943683	-1.146175
6	2.267268	1.859689	-1.735736
6	3.579696	1.962028	-2.190893
6	4.235142	3.185944	-2.065523
6	3.566490	4.276591	-1.496874
6	2.253391	4.180885	-1.028629
6	0.117110	1.105861	-0.868497
6	1.360516	0.675435	-1.799951
1	4.075766	1.102749	-2.630960
1	5.258618	3.293971	-2.410098
1	4.080250	5.229487	-1.407222
1	1.751858	5.026019	-0.581208
7	0.308726	2.563653	-0.722199
8	0.950949	0.271893	-3.106824
6	1.187230	1.060215	-4.243751
6	0.541548	2.281739	-4.430871
6	2.015809	0.523960	-5.227864
6	0.744009	2.977626	-5.624158
1	-0.104063	2.688065	-3.659426
6	2.201170	1.222739	-6.422153
1	2.511306	-0.427508	-5.055194
6	1.568854	2.451549	-6.620667
1	0.248221	3.932034	-5.774485
1	2.843927	0.806883	-7.192347
1	1.716285	2.996047	-7.548240
6	-1.229322	0.672536	-1.493879
1	-2.048854	1.269159	-1.087963
1	-1.232902	0.707993	-2.579695
7	-1.281656	-0.722840	-1.031893
6	-0.838851	-0.814014	0.369795
1	-0.396483	-1.793944	0.569340
1	-1.673916	-0.660391	1.068530
6	0.165040	0.326623	0.465947
6	0.973824	0.591346	1.501012
1	1.613766	1.470389	1.395544
6	-0.483894	3.393236	0.062660
8	-0.245180	4.562530	0.283835
8	-1.570148	2.743562	0.538383
6	-2.438813	3.553820	1.356796
1	-2.800888	4.415813	0.792571
1	-3.263917	2.897500	1.633271
1	-1.907245	3.900879	2.245319
16	-2.095690	-1.927358	-1.814168
8	-2.358574	-1.444579	-3.168200
8	-1.213376	-3.132581	-1.638172
6	-3.614880	-2.307472	-0.978828
6	-4.763558	-1.599021	-1.349597
6	-3.645905	-3.268129	0.036608
6	-5.956189	-1.862239	-0.682967
1	-4.727133	-0.877493	-2.159074
6	-4.852563	-3.512964	0.688182
1	-2.753645	-3.829521	0.290715
6	-6.022786	-2.819584	0.342749
1	-6.854468	-1.323037	-0.970995
1	-4.888114	-4.264726	1.471834
6	-7.331395	-3.120069	1.030064
1	-7.174926	-3.537381	2.029211
1	-7.950478	-2.222259	1.124051
1	-7.909431	-3.854552	0.454310
79	1.135341	-0.393828	3.273284
15	1.405945	-1.470336	5.402795
1	2.170214	-0.793387	6.373620
1	0.253815	-1.755194	6.162849
1	2.032919	-2.731807	5.442997
8	1.991260	-0.533414	-1.326135
1	1.973553	-0.504697	-0.343781

1	1.441345	-1.764346	-2.020513
8	1.032931	-2.494784	-2.648099
1	0.128626	-2.841811	-2.230736
1	0.790424	-1.971510	-3.443145

B-TS3

6	-2.043242	0.363419	1.896755
6	-1.280306	-0.578803	1.186711
6	-0.139393	-0.200860	0.471115
6	0.196872	1.147347	0.421610
6	-0.590364	2.088083	1.101702
6	-1.707312	1.720788	1.853522
6	-3.102465	-1.726601	2.357858
6	-1.789129	-1.917897	1.482928
1	0.459557	-0.945659	-0.040623
1	1.069140	1.470378	-0.137048
1	-0.318590	3.138935	1.058852
1	-2.285924	2.450934	2.399425
7	-3.067451	-0.273953	2.631290
8	-2.341689	-2.645915	-0.034995
6	-1.861288	-2.220280	-1.290467
6	-2.483383	-1.130792	-1.893803
6	-0.810367	-2.904346	-1.900069
6	-2.033568	-0.712563	-3.146750
1	-3.304430	-0.626318	-1.395830
6	-0.381012	-2.480842	-3.158943
1	-0.356664	-3.761307	-1.413804
6	-0.985513	-1.384904	-3.779735
1	-2.510637	0.134360	-3.630267
1	0.426827	-3.011876	-3.653183
1	-0.644777	-1.059988	-4.757954
6	-4.416872	-2.153532	1.650420
1	-5.252640	-1.642282	2.140013
1	-4.431571	-1.958580	0.583076
7	-4.406188	-3.590470	1.919963
6	-4.047911	-3.796384	3.331511
1	-3.623905	-4.792507	3.480834
1	-4.918993	-3.684562	3.995941
6	-3.041862	-2.679087	3.573336
6	-2.205292	-2.562373	4.615648
1	-1.563911	-1.677354	4.615573
6	-3.909703	0.400811	3.508464
8	-3.850098	1.591573	3.733215
8	-4.801670	-0.436912	4.077027
6	-5.692345	0.189133	5.025131
1	-6.275880	0.973438	4.538490
1	-6.339424	-0.612872	5.379351
1	-5.123295	0.620360	5.851240
16	-5.368874	-4.670520	1.071694
8	-5.652745	-4.020984	-0.206603
8	-4.609481	-5.940912	1.124063
6	-6.887822	-4.920729	1.967660
6	-7.978127	-4.090802	1.686005
6	-6.971810	-5.922312	2.939730
6	-9.161829	-4.270638	2.396770
1	-7.906387	-3.339927	0.906221
6	-8.166110	-6.083055	3.638641
1	-6.127977	-6.579000	3.122097
6	-9.277388	-5.265580	3.380590
1	-10.015472	-3.635579	2.175558
1	-8.241207	-6.866100	4.388446
6	-10.578711	-5.476262	4.114626
1	-10.416004	-5.909130	5.106446
1	-11.129089	-4.537781	4.234341
1	-11.227995	-6.165808	3.559591
79	-2.015324	-3.783393	6.231669
15	-1.720630	-5.153156	8.180580
1	-0.938397	-4.626422	9.226971
1	-2.865785	-5.538135	8.905747
1	-1.102181	-6.409833	8.026402
8	-0.900669	-2.841235	1.884064
1	-1.262636	-3.269146	2.698439
1	-1.463542	-5.493861	0.792974
8	-2.107947	-5.185499	0.137000
1	-2.971927	-5.600995	0.381454
1	-2.229989	-3.678692	0.077030

B-IN6

6	0.910137	4.001819	0.111513
6	1.699292	3.420393	-0.916310
6	2.723733	4.142422	-1.567701
6	2.941262	5.447808	-1.178979
6	2.150481	6.019516	-0.153017
6	1.138009	5.327571	0.505001
6	0.111088	1.797262	-0.153174
6	1.266631	2.090653	-1.096337

1	3.308898	3.668077	-2.348498	6	-5.350371	-0.509851	-1.270221
1	3.715479	6.041969	-1.652501	1	-3.840408	0.283958	-2.595151
1	2.341537	7.048590	0.138321	6	-4.707342	-2.433080	0.034597
1	0.552902	5.784524	1.289390	1	-2.690538	-3.149611	-0.267860
7	-0.021367	3.077238	0.573384	6	-5.686154	-1.495656	-0.328808
6	-1.156059	1.406032	-0.978509	1	-6.100026	0.216102	-1.574221
1	-2.047044	1.682790	-0.404053	1	-4.954825	-3.213093	0.750064
1	-1.198033	1.863015	-1.968172	6	-7.080518	-1.571242	0.243864
7	-0.963972	-0.034355	-1.084715	1	-7.087202	-2.053113	1.226513
6	-0.502132	-0.567733	0.209947	1	-7.529057	-0.577661	0.343907
1	0.033543	-1.506975	0.065412	1	-7.736218	-2.158549	-0.411973
1	-1.342562	-0.736105	0.900825	79	1.982567	-1.183182	2.940749
6	0.398585	0.547775	0.716787	15	2.284212	-2.793839	4.659592
6	1.304862	0.494260	1.695138	1	3.263950	-2.514327	5.630435
1	1.846888	1.418692	1.907074	1	1.176867	-3.076227	5.481081
6	-0.882327	3.319280	1.651262	1	2.660100	-4.094197	4.273800
8	-0.887409	4.349018	2.288429	8	2.220143	1.389618	-1.642934
8	-1.694906	2.272540	1.860031	1	2.764584	-0.141342	-1.147941
6	-2.600071	2.422071	2.978683	1	2.488334	-0.387894	0.578443
1	-3.245719	3.289370	2.827966	8	3.082836	-0.822228	-0.477637
1	-3.181669	1.501363	2.996892	1	4.053003	-0.740998	-0.418590
1	-2.034346	2.542353	3.904535				
16	-1.806015	-0.958614	-2.204875	B-IN10			
8	-2.051855	-0.066127	-3.335613	6	1.045190	3.817858	-0.472002
8	-0.967322	-2.169310	-2.348336	6	1.462538	3.393132	-1.743206
6	-3.359088	-1.463222	-1.497393	6	2.223444	4.213859	-2.585240
6	-4.482041	-0.649900	-1.685819	6	2.570415	5.477860	-2.126866
6	-3.437306	-2.648130	-0.758980	6	2.152615	5.896609	-0.852115
6	-5.693273	-1.034409	-1.117617	6	1.389336	5.088004	-0.004906
1	-4.412171	0.247997	-2.290697	6	0.145745	1.626115	-0.699088
6	-4.660588	-3.012616	-0.200739	6	0.984957	2.049526	-2.006214
1	-2.565264	-3.283903	-0.650437	1	2.521693	3.852547	-3.564177
6	-5.804783	-2.217890	-0.369935	1	3.160809	6.143236	-2.748103
1	-6.571504	-0.412320	-1.268450	1	2.428239	6.888498	-0.505532
1	-4.731204	-3.937250	0.365731	1	1.071160	5.435674	0.966763
6	-7.133960	-2.642941	0.203608	7	0.288863	2.798300	0.166221
1	-7.007629	-3.305386	1.065238	6	-1.288804	1.230406	-1.142838
1	-7.730764	-1.780264	0.516497	1	-1.996142	1.403742	-0.328610
1	-7.720824	-3.188822	-0.546470	1	-1.607315	1.788640	-2.025637
79	1.797826	-1.098100	2.858253	7	-1.171041	-0.200894	-1.451032
15	2.458827	-2.925455	4.264202	6	0.088450	-0.776009	-0.948090
1	3.462129	-2.677643	5.221829	1	0.763054	-1.120658	-1.765116
1	1.485747	-3.524220	5.089238	1	-0.077520	-1.631364	-0.281480
1	2.991825	-4.077970	3.653073	6	0.785877	0.342490	-0.256003
8	1.779031	1.293949	-1.954651	6	1.956376	0.225847	0.484297
1	1.535806	0.267367	-1.979398	1	2.533053	1.132734	0.669007
1	2.166777	-1.430497	-2.953544	6	-0.355703	2.990241	1.380184
8	1.608519	-1.194319	-2.194901	8	-0.307263	4.005871	2.038090
1	0.733154	-1.633727	-2.336722	8	-1.047241	1.880638	1.750597
				6	-1.874101	2.061656	2.921749
B-TS6				1	-2.593047	2.866422	2.756072
6	0.591114	3.961078	0.114857	1	-2.389485	1.110592	3.055689
6	1.512384	3.558677	-0.871972	1	-1.258339	2.306372	3.790193
6	2.340836	4.482299	-1.526272	16	-1.807220	-0.783824	-2.931292
6	2.223018	5.821605	-1.185398	8	-2.101416	0.377144	-3.772133
6	1.299118	6.215121	-0.198350	8	-0.896070	-1.852467	-3.363382
6	0.474684	5.307405	0.469608	6	-3.354222	-1.543928	-2.470504
6	0.254820	1.632595	-0.139171	6	-4.531908	-0.798468	-2.553280
6	1.468173	2.121255	-1.002226	6	-3.368340	-2.876224	-2.047968
1	3.041798	4.139872	-2.280864	6	-5.736747	-1.399648	-2.193039
1	2.839153	6.568557	-1.674943	1	-4.506587	0.223708	-2.915386
1	1.220916	7.267628	0.058992	6	-4.582893	-3.457008	-1.693507
1	-0.225114	5.627795	1.227961	1	-2.449449	-3.452415	-2.023274
7	-0.101999	2.840130	0.614865	6	-5.784176	-2.732714	-1.760132
6	-0.870884	1.120508	-1.094200	1	-6.657642	-0.826773	-2.262314
1	-1.849455	1.341957	-0.646701	1	-4.601863	-4.495397	-1.372721
1	-0.820794	1.556135	-2.093477	6	-7.098547	-3.387903	-1.412298
7	-0.575244	-0.307639	-1.149388	1	-6.986612	-4.102200	-0.590031
6	-0.186138	-0.760986	0.187062	1	-7.852903	-2.649020	-1.125352
1	0.373952	-1.697683	0.137444	1	-7.494464	-3.943243	-2.272445
1	-1.046262	-0.900418	0.866174	79	1.140065	-0.229419	2.477563
6	0.638169	0.399031	0.682345	15	0.685705	-0.863691	4.691085
6	1.721076	0.308011	1.508741	1	0.807249	0.134647	5.674106
1	2.218623	1.256556	1.728204	1	-0.591893	-1.380280	4.972967
6	-1.056798	2.898506	1.622169	1	1.515469	-1.872386	5.210713
8	-1.373472	3.906592	2.214205	8	1.135484	1.334217	-2.971682
8	-1.576165	1.671745	1.851040	1	1.964886	-0.610515	-3.583575
6	-2.585994	1.628066	2.884257	1	2.536766	-0.690037	0.350301
1	-3.404946	2.307441	2.640622	8	1.975066	-1.527072	-3.259888
1	-2.932319	0.595146	2.901452	1	1.170967	-1.906592	-3.657850
1	-2.153214	1.910097	3.846341				
16	-1.481901	-1.331912	-2.161796	B-IN7			
8	-1.556766	-0.621092	-3.434793	6	1.175381	2.787720	-1.062722
8	-0.855155	-2.642810	-2.003166	6	2.183270	2.005441	-1.625565
6	-3.122756	-1.401869	-1.454956	6	3.412764	2.552723	-1.973163
6	-4.079944	-0.456529	-1.839172	6	3.623354	3.917446	-1.767274
6	-3.429954	-2.397283	-0.521807				

6	2.602364	4.702174	-1.220485	1	2.363191	3.504530	-6.722199
6	1.366154	4.158554	-0.858734	1	0.035820	4.377217	-6.841830
6	0.352202	0.536737	-0.945590	6	-0.934349	-0.423471	-1.938262
6	1.742792	0.572104	-1.779434	1	-1.879226	0.099658	-1.768324
1	4.186756	1.916849	-2.392254	1	-0.806165	-0.623110	-2.998630
1	4.575269	4.368961	-2.031307	7	-0.852398	-1.690560	-1.196209
1	2.768345	5.765005	-1.064643	6	-0.213018	-1.543563	0.121416
1	0.584908	4.768756	-0.429949	1	0.508050	-2.352370	0.268761
7	0.040091	1.983942	-0.763444	1	-0.942415	-1.574911	0.943553
8	1.571028	0.164938	-3.134665	6	0.439847	-0.179213	0.067222
6	1.379536	1.028837	-4.194184	6	1.056420	0.441276	1.076207
6	0.388912	2.015761	-4.230644	1	1.463155	1.434265	0.885167
6	2.179759	0.796825	-5.317935	6	-0.960881	2.557719	-0.679109
6	0.219576	2.776000	-5.390237	8	-1.007668	3.763392	-0.521859
1	-0.245817	2.191708	-3.369747	8	-1.925988	1.711590	-0.258190
6	1.993051	1.553122	-6.473673	6	-3.029514	2.336788	0.416382
1	2.932440	0.016715	-5.264635	1	-3.491295	3.094296	-0.221666
6	1.015462	2.550669	-6.513961	1	-3.729175	1.527352	0.625443
1	-0.547477	3.545763	-5.411076	1	-2.691944	2.806388	1.343695
1	2.617417	1.364654	-7.343116	16	-2.037327	-2.841288	-1.416224
1	0.873400	3.143349	-7.413250	8	-2.351126	-2.840024	-2.846178
6	-0.746743	-0.266402	-1.680437	8	-1.582927	-4.035827	-0.702461
1	-1.721319	0.209166	-1.532720	6	-3.497182	-2.237528	-0.555310
1	-0.542384	-0.371494	-2.743072	6	-4.407792	-1.417006	-1.226548
7	-0.673291	-1.591730	-1.041285	6	-3.697635	-2.569605	0.788039
6	-0.268521	-1.476925	0.367565	6	-5.516329	-0.920741	-0.540471
1	0.315396	-2.352312	0.660304	1	-4.261320	-1.198824	-2.279133
1	-1.133995	-1.392923	1.044461	6	-4.809741	-2.063889	1.458897
6	0.524936	-0.188823	0.403191	1	-3.003956	-3.239662	1.284499
6	1.252781	0.262559	1.435045	6	-5.735631	-1.233790	0.809149
1	1.726283	1.238980	1.316946	1	-6.231076	-0.292073	-1.066391
6	-1.027835	2.466735	-0.030905	1	-4.969188	-2.328218	2.501709
8	-1.226339	3.639657	0.230335	6	-6.961344	-0.729027	1.534053
8	-1.861547	1.469707	0.354191	1	-6.747594	-0.520140	2.587872
6	-3.012564	1.898167	1.096684	1	-7.351222	0.186282	1.077009
1	-3.588793	2.630540	0.525852	1	-7.766860	-1.474817	1.508757
1	-3.597476	0.993268	1.263865	79	1.365363	-0.296218	2.939456
1	-2.710208	2.344958	2.047446	15	1.794367	-1.154929	5.141675
16	-1.787702	-2.762378	-1.467512	1	2.943798	-0.707412	5.827078
8	-1.871363	-2.747907	-2.928153	1	0.841467	-0.949098	6.162592
8	-1.422505	-3.961097	-0.708460	1	1.977079	-2.545533	5.294994
6	-3.378729	-2.201443	-0.841883	8	2.136044	-0.923634	-1.978514
6	-4.190540	-1.393708	-1.643896	1	3.040252	-0.965813	-2.385558
6	-3.778999	-2.549350	0.451070	16	3.877518	-1.805944	-4.780708
6	-5.403566	-0.928644	-1.139037	8	2.471439	-1.323288	-5.187985
1	-3.881610	-1.158418	-2.656886	8	4.057280	-3.238953	-4.938019
6	-4.996133	-2.075089	0.940643	8	4.312071	-1.161576	-3.512885
1	-3.155364	-3.205627	1.048765	6	4.938148	-0.995959	-6.076297
6	-5.826548	-1.260354	0.156983	9	6.204277	-1.377494	-5.905008
1	-6.037983	-0.306015	-1.765497	9	4.527847	-1.344783	-7.293549
1	-5.312559	-2.353092	1.943303	9	4.871076	0.339828	-5.956415
6	-7.162817	-0.785125	0.677810	1	1.872657	-0.614104	-4.466146
1	-7.173037	-0.732712	1.771418				
1	-7.417051	0.205373	0.285723	B-IN8			
1	-7.967272	-1.469106	0.376485	6	1.050579	2.442782	-1.740700
79	1.563430	-0.671580	3.209199	6	1.996089	1.533724	-2.239716
15	1.987297	-1.758909	5.308614	6	3.100288	1.956488	-2.980976
1	2.635583	-1.029349	6.327780	6	3.257140	3.318509	-3.218111
1	0.896224	-2.252497	6.055244	6	2.310541	4.225067	-2.713344
1	2.796503	-2.914793	5.319168	6	1.198979	3.815165	-1.973578
8	2.676768	-0.359944	-1.322646	6	0.293717	0.294709	-1.027471
1	2.591240	-0.406313	-0.353037	6	1.601459	0.171531	-1.870124
				1	3.806695	1.220078	-3.352518
B-TS4				1	4.105169	3.683428	-3.789770
6	1.310555	2.508512	-1.596112	1	2.441574	5.287378	-2.903080
6	2.247450	1.556728	-2.024890	1	0.480423	4.524414	-1.589061
6	3.567366	1.904696	-2.304907	7	0.032098	1.755755	-1.047047
6	3.949772	3.236303	-2.144365	6	-0.833892	-0.555855	-1.667081
6	3.008494	4.187818	-1.733673	1	-1.784591	-0.013872	-1.605321
6	1.681337	3.849605	-1.456913	1	-0.628587	-0.810521	-2.708167
6	0.233675	0.406166	-1.351926	7	-0.831711	-1.780926	-0.855542
6	1.556288	0.258559	-2.158615	6	-0.370278	-1.519734	0.518582
1	4.274839	1.154241	-2.644353	1	0.174364	-2.387624	0.895712
1	4.973943	3.535248	-2.345573	1	-1.209486	-1.307759	1.200703
1	3.312879	5.225034	-1.621409	6	0.500154	-0.289071	0.379022
1	0.964764	4.590243	-1.134629	6	1.318705	0.224732	1.301879
7	0.064406	1.885727	-1.326689	1	1.853848	1.138186	1.036582
8	1.138583	0.188081	-3.837532	6	-0.971439	2.392521	-0.343639
6	0.858695	1.318285	-4.604736	8	-1.120831	3.598722	-0.272241
6	-0.453547	1.795057	-4.675558	8	-1.794662	1.495158	0.246286
6	1.875024	1.933814	-5.340770	6	-2.866624	2.066663	1.010901
6	-0.743529	2.898067	-5.478187	1	-3.460549	2.745178	0.393816
1	-1.239440	1.299454	-4.117868	1	-3.466923	1.217741	1.338818
6	1.572002	3.031836	-6.146914	1	-2.472058	2.616040	1.869793
1	2.885607	1.547745	-5.294712	16	-2.025249	-2.920569	-1.115032
6	0.266531	3.520619	-6.214948	8	-2.162723	-3.049700	-2.566796
1	-1.764618	3.265213	-5.533082	8	-1.703278	-4.054715	-0.246660

6	-3.554539	-2.198652	-0.501355	6	1.856850	2.973779	-1.989349
6	-4.353702	-1.436496	-1.359045	6	2.402579	2.136841	-2.975830
6	-3.914618	-2.371151	0.837926	6	3.486203	2.533906	-3.764181
6	-5.511871	-0.839727	-0.863971	6	4.033596	3.792502	-3.544775
1	-4.079730	-1.338469	-2.404151	6	3.486539	4.625934	-2.554750
6	-5.076576	-1.765961	1.317076	6	2.399282	4.243767	-1.765336
1	-3.304498	-2.994900	1.482510	6	0.587765	0.964360	-1.855199
6	-5.892357	-0.993115	0.477771	6	1.646531	0.892413	-3.025845
1	-6.136779	-0.252838	-1.533090	1	3.874028	1.859129	-4.521099
1	-5.361653	-1.907507	2.356961	1	4.879336	4.134122	-4.133146
6	-7.171759	-0.376178	0.992460	1	3.920494	5.608918	-2.392553
1	-7.136156	-0.220587	2.075618	1	1.985109	4.902094	-1.016009
1	-7.373187	0.588926	0.515196	7	0.768439	2.337162	-1.347371
1	-8.032124	-1.025891	0.784165	6	-0.818188	0.559611	-2.380629
79	1.683487	-0.518934	3.150671	1	-1.551911	1.355708	-2.282382
15	2.174046	-1.393861	5.333901	1	-0.730878	0.271958	-3.435475
1	3.315826	-0.916859	6.012640	7	-1.193877	-0.592056	-1.528297
1	1.228585	-1.235920	6.370384	6	0.044497	-1.311085	-1.176803
1	2.406752	-2.779291	5.467445	1	0.439795	-1.895247	-2.026345
8	2.138173	-0.877905	-2.160520	1	-0.085984	-1.968508	-0.314311
B-TS5				6	0.987548	-0.172699	-0.904530
6	1.718202	2.798660	-2.036917	6	2.130551	-0.233266	-0.152435
6	2.441074	1.749963	-2.628402	1	2.858293	0.574493	-0.188792
6	3.656180	1.970724	-3.281646	6	-0.061013	2.988789	-0.445603
6	4.152370	3.268558	-3.328717	8	0.092658	4.132598	-0.065398
6	3.426947	4.313929	-2.732979	8	-1.068360	2.183842	-0.051241
6	2.207815	4.108026	-2.083210	6	-2.031424	2.792155	0.825974
6	0.432621	0.848102	-1.601584	1	-2.513738	3.638728	0.331554
6	1.704942	0.501365	-2.463824	1	-2.755249	2.005735	1.037625
1	4.183794	1.133984	-3.728912	1	-1.549227	3.138777	1.743027
1	5.096704	3.477550	-3.821570	16	-2.477567	-1.542837	-2.136803
1	3.823976	5.324636	-2.776811	8	-3.452416	-0.569093	-2.639094
1	1.661290	4.922401	-1.630160	8	-1.950871	-2.601251	-3.008233
7	0.525488	2.308981	-1.460551	6	-3.092072	-2.296441	-0.641056
6	-0.844628	0.289437	-2.288457	6	-4.026426	-1.607171	0.134395
1	-1.596878	1.061939	-2.439793	6	-2.625102	-3.556630	-0.260870
1	-0.583356	-0.155236	-3.254315	6	-4.478035	-2.186826	1.317902
7	-1.345702	-0.725670	-1.328215	1	-4.400639	-0.644626	-0.198386
6	-0.226344	-1.193132	-0.489823	6	-3.081708	-4.114545	0.930257
1	0.401271	-1.936321	-1.009835	1	-1.922265	-4.089981	-0.891729
1	-0.586176	-1.623589	0.445485	6	-4.003820	-3.437517	1.741732
6	0.555444	0.074460	-0.291768	1	-5.211547	-1.660948	1.924202
6	1.294782	0.437102	0.789408	1	-2.707504	-5.085614	1.239923
1	1.826922	1.385940	0.690139	6	-4.445877	-4.034749	3.055149
6	-0.353910	3.091086	-0.730233	1	-4.673871	-5.101579	2.954495
8	-0.231845	4.285921	-0.541031	1	-3.643890	-3.941268	3.796532
8	-1.377344	2.344616	-0.266379	1	-5.333250	-3.530754	3.450508
6	-2.342930	3.058282	0.521338	79	0.834858	0.294997	1.652633
1	-2.786565	3.871016	-0.058914	15	0.188271	0.784123	3.840789
1	-3.096089	2.316501	0.786852	1	1.224688	0.811738	4.781688
1	-1.874184	3.470296	1.418675	1	-0.427076	2.032976	4.086369
16	-2.375821	-1.912478	-1.967679	1	-0.743418	-0.094652	4.407370
8	-3.181467	-1.213141	-2.973524	8	1.752645	-0.056364	-3.774096
8	-1.623797	-3.126806	-2.306786	1	2.456417	-1.189535	0.253241
6	-3.403312	-2.291511	-0.550244	16	1.075958	-2.831662	3.133188
6	-4.471495	-1.447080	-0.234792	8	1.363470	-1.684805	4.042917
6	-3.140110	-3.432279	0.208068	8	2.089016	-3.887986	3.081855
6	-5.272683	-1.750626	0.861904	8	0.531283	-2.394681	1.808062
1	-4.673425	-0.577598	-0.851568	6	-0.405836	-3.610108	3.945471
6	-3.952085	-3.718109	1.306805	9	-0.890220	-4.625149	3.214519
1	-2.321932	-4.088802	-0.068691	9	-0.097661	-4.070088	5.161846
6	-5.027349	-2.887938	1.649230	9	-1.395278	-2.694404	4.085245
1	-6.108529	-1.100185	1.108658	B-IN3a			
1	-3.751226	-4.606782	1.899962	6	-0.821179	3.720706	-0.867345
6	-5.926998	-3.223425	2.815235	6	0.154914	3.215120	-1.786440
1	-6.837680	-3.732730	2.473570	6	0.926910	4.103424	-2.584084
1	-5.429312	-3.887833	3.528580	6	0.707579	5.456012	-2.454075
1	-6.243892	-2.321741	3.350738	6	-0.271867	5.938656	-1.551018
79	0.542080	0.110900	2.741979	6	-1.042045	5.101965	-0.755166
15	-0.099103	-0.263147	4.960512	6	-0.846180	1.387135	-0.597500
1	0.888549	0.026602	5.919807	6	0.145671	1.816180	-1.642316
1	-1.209080	0.383182	5.542403	1	1.667074	3.719720	-3.273466
1	-0.389697	-1.598320	5.298138	1	1.282768	6.160163	-3.045663
8	1.943863	-0.609342	-2.889083	1	-0.427496	7.011066	-1.473868
1	2.166384	-0.560870	1.112539	1	-1.776686	5.489427	-0.065000
16	3.316239	-2.262117	2.421994	7	-1.428281	2.678759	-0.186957
8	2.673308	-1.673203	3.614482	8	0.818307	0.868163	-2.217969
8	4.661802	-2.805637	2.543954	6	1.677760	1.078290	-3.339732
8	3.156022	-1.376478	1.173681	6	1.114242	1.385778	-4.572626
6	2.217721	-3.696701	1.980510	6	3.034048	0.861242	-3.140941
9	2.660952	-4.323615	0.892983	6	1.977637	1.535372	-5.659738
9	2.160911	-4.562519	2.996995	1	0.039540	1.482971	-4.684488
9	0.963912	-3.251027	1.736183	6	3.877253	1.018897	-4.244692
B-IN9				1	3.393297	0.535934	-2.167375
				6	3.355185	1.362797	-5.494123
				1	1.568766	1.772581	-6.637066

1	4.944141	0.858126	-4.124136	1	-6.141268	-1.036259	5.504142
1	4.019110	1.477348	-6.345489	16	-3.403892	-5.483389	0.591270
6	-1.883825	0.359097	-1.201303	8	-3.855238	-5.126082	-0.751835
1	-2.844987	0.538769	-0.715258	8	-1.946611	-5.428702	0.910691
1	-2.000582	0.441974	-2.281541	6	-3.955923	-7.115232	1.037276
7	-1.378813	-0.954191	-0.833002	6	-5.297090	-7.453680	0.820876
6	-0.691735	-0.845751	0.463537	6	-3.040208	-8.048935	1.522951
1	0.103481	-1.587389	0.546928	6	-5.717119	-8.745571	1.113188
1	-1.415004	-1.019335	1.270195	1	-5.993883	-6.719685	0.430010
6	-0.160951	0.582409	0.539294	6	-3.484850	-9.340274	1.808909
6	0.732210	1.082707	1.397987	1	-2.001879	-7.770432	1.663536
1	0.971396	2.144285	1.300973	6	-4.821183	-9.709885	1.609000
6	-2.347331	2.861764	0.860583	1	-6.756851	-9.016152	0.949126
8	-2.720611	3.947040	1.244416	1	-2.777427	-10.073432	2.186474
8	-2.751737	1.681920	1.346810	6	-5.294572	-11.113042	1.897808
6	-3.689069	1.764714	2.447856	1	-4.532374	-11.695916	2.422524
1	-4.587458	2.300913	2.136607	1	-6.203257	-11.108114	2.510337
1	-3.919541	0.730852	2.700505	1	-5.536943	-11.641343	0.967231
1	-3.226879	2.278644	3.292668	79	-1.792355	-3.785719	5.915541
16	-0.688293	-1.951220	-2.051507	15	-1.192180	-4.922373	7.940771
8	-1.028309	-1.315335	-3.328451	1	-0.271563	-4.281944	8.793325
8	0.710325	-2.229646	-1.684995	1	-2.213175	-5.215902	8.866436
6	-1.591785	-3.480087	-1.904799	1	-0.586679	-6.191066	7.843693
6	-2.863964	-3.576965	-2.477469	8	-0.722572	-3.107465	1.575810
6	-1.013279	-4.559992	-1.236746	1	-1.055163	-4.006413	1.290916
6	-3.562074	-4.774501	-2.364464	1	-0.786631	-3.126232	2.554289
1	-3.290072	-2.736219	-3.014671				
6	-1.731584	-5.750911	-1.135079	B-IN4a			
1	-0.014933	-4.473998	-0.822336	6	-0.041644	3.479206	-0.728455
6	-3.010447	-5.879552	-1.694113	6	0.961920	2.778044	-1.410397
1	-4.549534	-4.858226	-2.810710	6	2.165869	3.385454	-1.766945
1	-1.285358	-6.597154	-0.619766	6	2.356607	4.725415	-1.433182
6	-3.767959	-7.181958	-1.610231	6	1.341798	5.430096	-0.774574
1	-3.390904	-7.815612	-0.802099	6	0.132597	4.830227	-0.413188
1	-4.837144	-7.013326	-1.443993	6	-0.814468	1.222037	-0.790453
1	-3.670980	-7.748088	-2.545665	6	0.458756	1.417015	-1.727177
79	1.723613	0.074312	2.869014	1	2.933907	2.824554	-2.288517
15	2.975119	-1.064706	4.560046	1	3.286273	5.222033	-1.691154
1	3.680188	-0.281803	5.495230	1	1.493994	6.476783	-0.527254
1	2.293323	-1.930823	5.437883	1	-0.638246	5.381519	0.104291
1	4.008164	-1.919835	4.129603	7	-1.138950	2.627081	-0.442511
8	2.987961	-0.793989	-0.356784	8	0.145687	1.112505	-3.026473
1	2.389521	-1.382537	-0.851751	6	0.976366	1.524169	-4.094018
1	2.383738	-0.198258	0.114434	6	0.660428	2.704642	-4.760502
				6	2.015673	0.696790	-4.510988
B-TS2a				6	1.426531	3.076501	-5.866643
6	-2.704281	0.008324	2.042945	1	-0.170075	3.313041	-4.418511
6	-1.729403	-0.633460	1.251122	6	2.775121	1.082878	-5.617960
6	-0.592375	0.047098	0.791174	1	2.210023	-0.240230	-4.000395
6	-0.441737	1.383729	1.132460	6	2.485072	2.270797	-6.292700
6	-1.426526	2.024979	1.903218	1	1.190784	3.994666	-6.396168
6	-2.564036	1.364150	2.364856	1	3.585811	0.445472	-5.957993
6	-3.389712	-2.270873	1.964918	1	3.075814	2.562545	-7.155700
6	-2.201543	-1.978467	0.989318	6	-1.945653	0.426955	-1.502922
1	0.156204	-0.471735	0.204390	1	-2.912386	0.745160	-1.116038
1	0.433867	1.933838	0.804190	1	-1.938885	0.523757	-2.585722
1	-1.301065	3.074001	2.155870	7	-1.748118	-0.984155	-1.094057
1	-3.309292	1.869729	2.960276	6	-1.252489	-0.954225	0.304141
7	-3.743613	-0.882578	2.375608	1	-0.656927	-1.838383	0.541080
8	-2.326750	-2.516863	-0.208506	1	-2.126929	-0.953031	0.965337
6	-1.538715	-2.110867	-1.321297	6	-0.487882	0.351960	0.448931
6	-2.043087	-1.108141	-2.141424	6	0.322236	0.707305	1.459711
6	-0.359595	-2.791268	-1.601255	1	0.736997	1.717907	1.412638
6	-1.315472	-0.755888	-3.279881	6	-2.160651	3.006708	0.422739
1	-2.981401	-0.621269	-1.897322	8	-2.344500	4.141778	0.808279
6	0.355138	-2.424152	-2.744314	8	-2.935925	1.955450	0.768390
1	-0.016357	-3.590647	-0.955403	6	-4.036845	2.284725	1.643746
6	-0.117494	-1.408711	-3.578903	1	-4.688239	3.023845	1.173184
1	-1.691632	0.025128	-3.933435	1	-4.566939	1.345529	1.800195
1	1.278204	-2.943013	-2.983974	1	-3.662007	2.680770	2.589675
1	0.442181	-1.133470	-4.467492	16	-0.899732	-1.974157	-2.173103
6	-4.514253	-3.097853	1.266325	8	-1.385077	-1.670428	-3.513657
1	-5.480965	-2.787971	1.661723	8	0.590595	-1.871189	-1.919344
1	-4.522187	-3.010622	0.182031	6	-1.349391	-3.610569	-1.653454
7	-4.285079	-4.497915	1.673391	6	-2.690017	-3.996438	-1.780177
6	-3.773386	-4.460439	3.059837	6	-0.371370	-4.503518	-1.212564
1	-3.152927	-5.330891	3.281786	6	-3.045699	-5.295745	-1.440359
1	-4.633240	-4.478507	3.739979	1	-3.435396	-3.293865	-2.137871
6	-3.028692	-3.142374	3.201369	6	-0.753999	-5.802750	-0.878728
6	-2.262488	-2.748892	4.227071	1	0.663866	-4.190144	-1.142306
1	-1.863628	-1.731885	4.177601	6	-2.087216	-6.220233	-0.987060
6	-4.732091	-0.558713	3.306396	1	-4.083666	-5.603469	-1.533907
8	-4.896080	0.551746	3.764642	1	0.000540	-6.505223	-0.536085
8	-5.496877	-1.625845	3.605066	6	-2.493067	-7.631881	-0.643911
6	-6.558798	-1.361418	4.549161	1	-1.666588	-8.192467	-0.198587
1	-7.226669	-0.589834	4.161321	1	-3.332746	-7.643201	0.060387
1	-7.084114	-2.309658	4.658374	1	-2.819135	-8.171689	-1.541470

79	0.806403	-0.350679	3.131155	6	-1.559391	-0.477145	1.058129
15	1.424651	-1.498714	5.145766	6	-0.629951	-0.064078	0.088204
1	2.354912	-0.861486	5.989996	6	-0.087225	1.209113	0.185109
1	0.411229	-1.791328	6.079780	6	-0.455213	2.052235	1.246698
1	2.026288	-2.768486	5.039684	6	-1.360996	1.657117	2.228470
8	1.546793	0.368295	-1.348967	6	-3.255065	-1.566502	2.430568
1	1.184619	-0.586350	-1.671880	6	-2.272277	-1.730440	1.231335
1	1.542521	0.319693	-0.354456	1	-0.336578	-0.728695	-0.713158
B-IN3b				1	0.628020	1.550598	-0.555930
				1	-0.019522	3.045237	1.312427
	0.779043	3.890224	-0.876364	1	-1.628431	2.309146	3.046548
	1.190179	3.010370	-1.929104	7	-2.866599	-0.238328	2.954519
6	2.120005	3.443659	-2.912641	8	-2.721871	-2.538644	0.288456
6	2.610277	4.727553	-2.828009	6	-2.200900	-2.592868	-1.033285
6	2.193773	5.584731	-1.780383	6	-3.033839	-2.132893	-2.046985
6	1.289677	5.195204	-0.801896	6	-0.964705	-3.181642	-1.288469
6	-0.379338	1.880129	-0.508432	6	-2.591865	-2.235537	-3.367743
6	0.513863	1.795096	-1.713820	1	-4.013031	-1.736566	-1.805802
1	2.431346	2.777283	-3.705707	6	-0.540258	-3.272854	-2.616585
1	3.319942	5.088629	-3.564722	1	-0.349393	-3.538575	-0.472114
1	2.598431	6.592089	-1.737389	6	-1.346666	-2.798650	-3.654072
1	0.989568	5.860227	-0.005784	1	-3.229578	-1.880201	-4.171368
7	-0.131085	3.258456	-0.046224	1	0.423864	-3.721928	-2.836390
8	0.523194	0.664515	-2.349583	1	-1.009395	-2.877513	-4.683061
6	1.269325	0.464808	-3.553816	6	-4.729107	-1.606811	1.896870
6	0.617572	0.696132	-4.758782	1	-5.330118	-0.947700	2.526076
6	2.564886	-0.023996	-3.448585	1	-4.836888	-1.305968	0.856643
6	1.332069	0.460606	-5.935721	7	-5.158753	-2.994279	2.087014
1	-0.417639	1.019047	-4.768498	6	-4.446887	-3.592258	3.232925
6	3.255761	-0.250961	-4.643638	1	-4.144328	-4.617938	3.007483
1	3.006651	-0.243687	-2.477225	1	-5.101234	-3.613911	4.112901
6	2.649287	-0.003457	-5.878066	6	-3.249359	-2.687904	3.485484
1	0.852336	0.630893	-6.894690	6	-2.386599	-2.772177	4.500479
1	4.271524	-0.632624	-4.601382	1	-1.630513	-1.988487	4.547827
1	3.197611	-0.186960	-6.797223	6	-3.388050	0.373365	4.095128
6	-1.878618	1.598577	-0.902624	8	-2.943882	1.393784	4.579745
1	-2.508980	2.182003	-0.228177	8	-4.450429	-0.296785	4.574373
1	-2.113964	1.854523	-1.935327	6	-5.015636	0.248918	5.784987
7	-2.063177	0.176614	-0.659354	1	-5.357652	1.272115	5.616882
6	-1.208172	-0.239804	0.469408	1	-5.852565	-0.405311	6.026973
1	-0.870215	-1.268542	0.342189	1	-4.273540	0.240118	6.586135
1	-1.785549	-0.177105	1.400777	16	-5.539818	-3.958877	0.752174
6	-0.048817	0.751878	0.497750	8	-5.756731	-3.039638	-0.368296
6	1.083406	0.674003	1.197559	8	-4.555424	-5.059534	0.638122
1	1.792553	1.495386	1.074312	6	-7.092033	-4.714867	1.199088
6	-0.623399	3.821057	1.143045	6	-8.256413	-3.940225	1.160094
8	-0.294058	4.910092	1.557509	6	-7.132153	-6.062593	1.556164
8	-1.503886	2.999986	1.727428	6	-9.469491	-4.531660	1.494156
6	-2.038917	3.473600	2.985716	1	-8.213213	-2.898218	0.860639
1	-2.550071	4.427524	2.842496	6	-8.360035	-6.635782	1.888384
1	-2.736708	2.700581	3.304145	1	-6.222226	-6.651968	1.558109
1	-1.232846	3.592539	3.712194	6	-9.543385	-5.886358	1.862091
16	-2.330681	-0.867871	-1.975787	1	10.378031	-3.935909	1.462674
8	-2.393195	-0.025967	-3.176275	1	-8.398025	-7.686204	2.164184
8	-1.368037	-1.979906	-1.880190	6	10.873170	-6.519385	2.191471
6	-3.950833	-1.553531	-1.685338	1	10.747053	-7.466794	2.723628
6	-5.068769	-0.904110	-2.214285	1	11.488779	-5.857769	2.810383
6	-4.081178	-2.724024	-0.934036	1	11.442198	-6.727251	1.276201
6	-6.332815	-1.437830	-1.975526	79	-2.322871	-4.183732	5.960509
1	-4.948436	-0.009790	-2.816042	15	-2.211908	-5.837077	7.706421
6	-5.355137	-3.238672	-0.705628	1	-2.513717	-5.436866	9.023703
1	-3.202209	-3.231477	-0.551620	1	-3.054626	-6.961879	7.602468
6	-6.498620	-2.608866	-1.220377	1	-0.981870	-6.486498	7.934196
1	-7.205894	-0.940040	-2.389002	8	-0.810930	-2.889783	1.780638
1	-5.462891	-4.150587	-0.124281	1	-1.206695	-3.812660	1.820600
6	-7.870594	-3.196589	-0.997283	1	-0.310739	-2.731830	2.625251
1	-7.927602	-3.733291	-0.045082	8	0.789481	-2.798412	3.983134
1	-8.644524	-2.422789	-1.002180	1	1.220226	-1.999516	4.325715
1	-8.119845	-3.912850	-1.791121	1	0.340983	-3.202887	4.743858
79	1.728056	-0.871728	2.349611	8	-1.948630	-5.304216	1.625371
15	2.602788	-2.697208	3.619787	1	-2.822282	-5.203132	1.184957
1	3.719425	-2.467364	4.445489	1	-1.465777	-5.960442	1.099951
1	1.750799	-3.325977	4.551808	B-IN4b			
1	3.053730	-3.824856	2.910078				
8	3.352498	-1.191174	-0.631406		1.420274	3.051326	-0.737219
1	2.565873	-1.778425	-0.640739		2.103088	2.067646	-1.461197
1	3.938849	-1.568146	0.050058	6	3.445426	2.222244	-1.802232
8	5.022515	-1.827388	1.668551	6	4.106200	3.391569	-1.418558
1	5.952389	-2.049353	1.499049	6	3.410184	4.384134	-0.721286
1	5.019900	-0.872841	1.845749	6	2.065264	4.236831	-0.369590
8	1.082038	-2.877251	-0.734938	6	-0.065005	1.198236	-0.808631
1	0.338705	-2.472878	-1.223092	6	1.155130	0.960474	-1.820671
1	1.238228	-3.721903	-1.184086	1	3.961936	1.453702	-2.367797
B-TS2b				1	5.151282	3.534934	-1.674702
				1	3.923755	5.297756	-0.435760
	-1.915883	0.375509	2.124937	1	1.539549	5.005206	0.177131
	6			7	0.096564	2.623366	-0.449341

8	0.632728	1.036852	-3.133152	8	-1.755378	2.204381	0.786710
6	1.446577	1.345631	-4.228297	6	-2.719971	2.457645	1.830674
6	1.104911	2.482245	-4.960770	1	-3.330777	3.327648	1.581011
6	2.485162	0.509379	-4.649452	1	-3.330967	1.556586	1.879063
6	1.808624	2.786664	-6.126284	1	-2.211884	2.632525	2.781304
1	0.290580	3.109310	-4.613065	16	-1.743040	-1.266183	-3.056091
6	3.188340	0.829775	-5.814401	8	-1.940113	-0.451317	-4.250515
1	2.763288	-0.364396	-4.069749	8	-0.839904	-2.452817	-3.087145
6	2.852138	1.963261	-6.555780	6	-3.313751	-1.834291	-2.446745
1	1.540366	3.670536	-6.697482	6	-4.452212	-1.073122	-2.734936
1	3.998584	0.184417	-6.141610	6	-3.395645	-3.005574	-1.687886
1	3.398142	2.202610	-7.463164	6	-5.684123	-1.496782	-2.245516
6	-1.413774	0.800337	-1.449814	1	-4.375722	-0.184784	-3.352954
1	-2.245150	1.243610	-0.899580	6	-4.640380	-3.409984	-1.210411
1	-1.473434	1.048262	-2.504943	1	-2.509206	-3.602258	-1.502835
7	-1.342155	-0.661085	-1.268022	6	-5.800827	-2.668128	-1.479437
6	-0.792977	-0.992963	0.061916	1	-6.573513	-0.915342	-2.472956
1	-0.197165	-1.909185	0.006417	1	-4.714282	-4.325235	-0.629368
1	-1.587984	-1.141868	0.806206	6	-7.149376	-3.136234	-0.991490
6	0.034700	0.239421	0.395324	1	-7.057629	-3.788580	-0.117933
6	0.680655	0.478323	1.542303	1	-7.794915	-2.292943	-0.726113
1	1.176093	1.448435	1.619418	1	-7.665905	-3.706486	-1.774429
6	-0.741229	3.350468	0.388384	79	1.398982	-1.047520	2.328134
8	-0.518705	4.484481	0.762065	15	1.673481	-2.567257	4.174134
8	-1.845334	2.652750	0.732243	1	2.438875	-2.105521	5.262626
6	-2.762210	3.367408	1.585489	1	0.516118	-2.996543	4.853233
1	-3.114099	4.275977	1.092090	1	2.295802	-3.812375	3.953307
1	-3.587384	2.676501	1.758224	8	1.788730	0.934346	-2.822990
1	-2.276980	3.632507	2.527150	1	1.598737	-0.578100	-3.075259
16	-2.258497	-1.722329	-2.143047	1	0.718309	-1.985938	-3.204083
8	-2.619782	-1.046507	-3.386425	8	1.658817	-1.604809	-3.141634
8	-1.399997	-2.953404	-2.203998	1	2.090254	-1.900266	-2.260983
6	-3.721850	-2.185805	-1.248782	8	2.724856	-2.025909	-0.838509
6	-4.885123	-1.435922	-1.455366	1	2.401462	-1.358883	-0.197486
6	-3.693121	-3.251067	-0.343085	1	2.774033	-2.868086	-0.360913
6	-6.030849	-1.764748	-0.736908				
1	-4.896436	-0.630270	-2.181799	B-TS6a			
6	-4.853083	-3.560038	0.363765	6	1.044684	4.068021	-0.048113
1	-2.792471	-3.842024	-0.217497	6	1.529948	3.424996	-1.200302
6	-6.036372	-2.827810	0.180442	6	2.382906	4.074280	-2.101813
1	-6.940611	-1.193086	-0.898856	6	2.745217	5.386814	-1.830275
1	-4.842886	-4.393060	1.061464	6	2.256968	6.022670	-0.674509
6	-7.296933	-3.197004	0.922413	6	1.406383	5.387482	0.233790
1	-7.074706	-3.697665	1.869622	6	0.049560	1.912259	-0.020543
1	-7.910819	-2.315863	1.133673	6	1.017347	2.069262	-1.250398
1	-7.909257	-3.884393	0.324320	1	2.737306	3.549032	-2.983086
79	0.787389	-0.694503	3.204000	1	3.402842	5.925001	-2.505024
15	0.957911	-1.995768	5.220104	1	2.548989	7.049869	-0.475118
1	1.178382	-1.298958	6.424697	1	1.041306	5.892371	1.116553
1	-0.141494	-2.790305	5.602507	7	0.205141	3.193459	0.677901
1	1.985306	-2.956308	5.308320	6	-1.400571	1.608062	-0.523419
8	1.740027	-0.342104	-1.721291	1	-2.123479	2.100512	0.132311
1	1.202025	-1.399377	-2.478876	1	-1.564407	1.928986	-1.552359
1	2.365602	-0.447635	-0.932265	7	-1.522107	0.152842	-0.417798
8	3.361772	-0.615683	0.324187	6	-0.661749	-0.340762	0.660671
1	3.951714	0.156145	0.361763	1	-0.267817	-1.333560	0.428777
1	2.737062	-0.499832	1.066892	1	-1.219660	-0.401671	1.605492
8	0.862933	-2.206427	-3.109143	6	0.439048	0.687321	0.794727
1	-0.050352	-2.577392	-2.751817	6	1.637654	0.492990	1.419496
1	0.704915	-1.833292	-3.999040	1	2.328225	1.339181	1.377491
				6	-0.372785	3.508256	1.898254
B-IN6a				8	-0.242889	4.566334	2.474733
6	0.996058	3.779184	-0.915959	8	-1.105759	2.466888	2.361677
6	1.802523	3.134192	-1.875428	6	-1.780524	2.720781	3.612606
6	2.867334	3.792741	-2.509440	1	-2.468290	3.562516	3.508516
6	3.116856	5.112189	-2.166350	1	-2.325880	1.803733	3.835024
6	2.308092	5.749789	-1.204922	1	-1.054306	2.943100	4.397278
6	1.244722	5.110505	-0.566140	16	-1.782427	-0.796154	-1.808786
6	0.115291	1.586410	-1.111457	8	-1.745953	0.103516	-2.959544
6	1.334007	1.784736	-2.049517	8	-0.857434	-1.946255	-1.700702
1	3.464938	3.265642	-3.246350	6	-3.435487	-1.436272	-1.632916
1	3.929933	5.657778	-2.633813	6	-4.495817	-0.730807	-2.207252
1	2.516095	6.784398	-0.946643	6	-3.650714	-2.624010	-0.929198
1	0.637815	5.617779	0.169423	6	-5.789597	-1.225446	-2.060643
7	0.000240	2.900306	-0.453004	1	-4.308210	0.174650	-2.774175
6	-1.126237	1.189528	-1.967812	6	-4.952641	-3.099392	-0.795152
1	-2.038054	1.559560	-1.488322	1	-2.814246	-3.176836	-0.515497
1	-1.075508	1.547692	-2.996242	6	-6.040859	-2.412410	-1.355770
7	-1.021903	-0.268910	-1.933339	1	-6.617933	-0.684274	-2.509910
6	-0.624070	-0.714546	-0.590697	1	-5.126635	-4.026029	-0.254617
1	-0.138258	-1.691540	-0.639862	6	-7.442860	-2.957098	-1.235227
1	-1.486806	-0.785099	0.088870	1	-7.571301	-3.536674	-0.315742
6	0.320798	0.392639	-0.152530	1	-8.187334	-2.155002	-1.243023
6	1.185719	0.362885	0.868921	1	-7.672808	-3.623915	-2.076458
1	1.780118	1.265749	1.024644	79	1.752725	-0.508169	3.270889
6	-0.899527	3.223027	0.556721	15	1.959350	-1.459394	5.424812
8	-0.919470	4.283651	1.143931	1	2.705384	-0.719842	6.360976

1	0.777345	-1.690640	6.152754	7	-0.068000	3.015161	-0.478287
1	2.580465	-2.718282	5.527179	6	-1.165137	1.293593	-2.002403
8	1.241611	1.184466	-2.058522	1	-2.089720	1.665711	-1.549054
1	1.807791	-0.611833	-2.510250	1	-1.085872	1.648260	-3.030358
1	0.943483	-1.845396	-2.213037	7	-1.062467	-0.165567	-1.960278
8	1.878590	-1.549485	-2.245026	6	-0.707453	-0.603141	-0.602017
1	2.465490	-1.522991	-0.859773	1	-0.221738	-1.580860	-0.628558
8	2.845201	-1.464991	0.111381	1	-1.592106	-0.668197	0.049668
1	2.190845	-0.575505	0.841710	6	0.222938	0.505628	-0.139519
1	2.794466	-2.353756	0.502582	6	1.056443	0.472851	0.906879
B-IN10a				1	1.641426	1.375972	1.092347
6	1.088973	3.578647	-0.753400	6	-0.988954	3.359425	0.504088
6	1.467550	3.053679	-1.999658	8	-1.011813	4.426865	1.079497
6	2.239808	3.790098	-2.906177	8	-1.862709	2.353713	0.722619
6	2.630197	5.072377	-2.542012	6	-2.843059	2.624516	1.746420
6	2.248398	5.591228	-1.292880	1	-3.437084	3.501944	1.482338
6	1.478718	4.865908	-0.378687	1	-3.467246	1.732111	1.786812
6	0.087257	1.424154	-0.840100	1	-2.350829	2.795705	2.706096
6	0.948413	1.706024	-2.147077	16	-1.797338	-1.163468	-3.072724
1	2.511331	3.354001	-3.862213	8	-1.948605	-0.372229	-4.289868
1	3.227753	5.675549	-3.217590	8	-0.936902	-2.379836	-3.057658
1	2.559573	6.595902	-1.021250	6	-3.400241	-1.657032	-2.478459
1	1.191112	5.285737	0.574202	6	-4.506251	-0.870640	-2.819234
7	0.315656	2.628473	-0.036970	6	-3.537837	-2.792462	-1.674488
6	-1.387876	1.137659	-1.256558	6	-5.761580	-1.232139	-2.338760
1	-2.064782	1.442884	-0.453843	1	-4.386750	-0.010452	-3.469398
1	-1.665439	1.648135	-2.179704	6	-4.804477	-3.134831	-1.206290
7	-1.410515	-0.308911	-1.448716	1	-2.675918	-3.409968	-1.446713
6	-0.400682	-0.971439	-0.620842	6	-5.933422	-2.365937	-1.528488
1	0.087934	-1.806842	-1.132183	1	-6.625758	-0.630451	-2.607102
1	-0.840744	-1.366306	0.307168	1	-4.920797	-4.021957	-0.589521
6	0.598152	0.113465	-0.284902	6	-7.306320	-2.767691	-1.048917
6	1.855924	-0.095902	0.246980	1	-7.254833	-3.362640	-0.132040
1	2.561469	0.736157	0.230666	1	-7.936109	-1.893064	-0.857637
6	-0.259632	2.888165	1.196242	1	-7.817047	-3.376116	-1.806580
8	-0.137241	3.920693	1.818296	79	1.279144	-1.019183	2.280457
8	-0.977388	1.818596	1.632937	15	1.603196	-2.741218	3.923281
6	-1.734779	2.063360	2.838310	1	2.920890	-3.176117	4.163915
1	-2.439872	2.882387	2.682260	1	1.192218	-2.483436	5.246469
1	-2.266636	1.132754	3.035899	1	0.974827	-3.984645	3.716606
1	-1.066986	2.320541	3.663697	8	1.770151	0.991332	-2.759017
16	-1.886190	-0.979462	-2.945879	1	1.557040	-0.557904	-2.999257
8	-2.065550	0.142179	-3.865900	1	0.667391	-1.943486	-3.123066
8	-0.950475	-2.081243	-3.222205	8	1.606849	-1.578859	-3.042553
6	-3.481367	-1.710636	-2.627236	1	2.029053	-1.870115	-2.129282
6	-4.631901	-0.945132	-2.832988	8	2.646219	-2.010768	-0.791785
6	-3.560679	-3.033662	-2.185207	1	2.351639	-1.310005	-0.177980
6	-5.875723	-1.518155	-2.579235	1	2.689314	-2.846457	-0.266612
1	-4.553618	0.070509	-3.205785	8	2.995855	-4.239721	0.788604
6	-4.815136	-3.586047	-1.937304	1	2.679413	-5.093688	0.451171
1	-2.660025	-3.625366	-2.061295	1	3.961558	-4.334544	0.837508
6	-5.989821	-2.842591	-2.129493	B-TS6b			
1	-6.774553	-0.929958	-2.744316	6	0.992033	4.093767	-0.036987
1	-4.883860	-4.616977	-1.600206	6	1.471764	3.465851	-1.199338
6	-7.344885	-3.464393	-1.896005	6	2.322550	4.125916	-2.094378
1	-7.301250	-4.250372	-1.135658	6	2.688906	5.433994	-1.805615
1	-8.079829	-2.718340	-1.577746	6	2.206428	6.054665	-0.639589
1	-7.724637	-3.922998	-2.818289	6	1.357461	5.408256	0.262387
79	1.357417	-0.237436	2.391239	6	-0.006459	1.939570	-0.031971
15	1.272368	-0.511340	4.714692	6	0.955884	2.110485	-1.269273
1	2.278138	-1.327589	5.260738	1	2.672798	3.612002	-2.983947
1	1.397525	0.651230	5.495900	1	3.345620	5.979865	-2.475098
1	0.113269	-1.092722	5.259337	1	2.501556	7.078241	-0.426577
8	1.102598	0.901507	-3.043504	1	0.996678	5.900832	1.153863
1	1.921220	-0.942492	-3.542637	7	0.152247	3.211337	0.680046
1	0.966614	-2.123041	-3.650356	6	-1.454906	1.633616	-0.532329
8	1.905661	-1.913036	-3.488485	1	-2.179876	2.093856	0.144695
1	2.206285	-2.510402	-1.886337	1	-1.630568	1.986440	-1.549039
8	2.185783	-2.813088	-0.940054	7	-1.546852	0.174184	-0.477231
1	2.258629	-1.115542	0.150693	6	-0.659021	-0.353648	0.561196
1	2.516422	-3.723111	-0.956648	1	-0.217405	-1.307697	0.260361
B-IN6b				1	-1.203582	-0.506250	1.503813
6	0.950668	3.876691	-0.924369	6	0.399760	0.706772	0.755489
6	1.778335	3.209849	-1.849677	6	1.591881	0.521693	1.400084
6	2.867986	3.848215	-2.460299	1	2.269806	1.378293	1.390167
6	3.121117	5.170499	-2.129372	6	-0.413722	3.505911	1.910591
6	2.291111	5.830173	-1.201987	8	-0.275756	4.552839	2.505631
6	1.202814	5.210564	-0.586315	8	-1.146797	2.458436	2.360914
6	0.052329	1.690644	-1.113751	6	-1.807259	2.689874	3.622887
6	1.301323	1.860436	-2.017454	1	-2.483952	3.543498	3.546678
1	3.481743	3.303977	-3.171080	1	-2.363489	1.774990	3.826724
1	3.953362	5.700890	-2.580437	1	-1.071547	2.881873	4.406981
1	2.502030	6.866347	-0.952352	16	-1.875734	-0.732416	-1.877686
1	0.579823	5.734044	0.124054	8	-1.834923	0.186434	-3.013143
				8	-0.995337	-1.917419	-1.807852
				6	-3.550954	-1.308562	-1.675787

6	-4.591409	-0.575385	-2.251046	1	2.130697	-2.405067	-1.584306
6	-3.802429	-2.474314	-0.947765	8	2.033492	-2.640026	-0.629819
6	-5.901179	-1.018734	-2.081092	1	2.126606	-0.948048	0.365765
1	-4.376051	0.312298	-2.835848	1	2.240325	-3.597286	-0.576830
6	-5.119126	-2.898782	-0.790319	8	2.753662	-5.365845	-0.736092
1	-2.981928	-3.049140	-0.531780	1	2.366855	-5.745882	-1.540561
6	-6.187879	-2.182359	-1.351783	1	3.710743	-5.391001	-0.892380
1	-6.714121	-0.455037	-2.530903				
1	-5.321251	-3.807962	-0.230146				
6	-7.607626	-2.672486	-1.205660				
1	-7.743672	-3.240238	-0.279877				
1	-8.321210	-1.842685	-1.207901				
1	-7.876265	-3.335753	-2.038198				
79	1.604869	-0.437296	3.294229				
15	1.699567	-1.360693	5.455832				
1	2.474603	-0.665235	6.402203				
1	0.489549	-1.502068	6.160540				
1	2.229002	-2.658621	5.580528				
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1	1.756418	-0.610447	-2.484179				
1	0.864989	-1.828522	-2.231569				
8	1.802805	-1.550167	-2.228955				
1	2.461459	-1.567317	-0.739950				
8	2.815675	-1.526933	0.207422				
1	2.135366	-0.530005	0.925182				
1	2.690280	-2.419160	0.614102				
8	2.623352	-4.017008	1.392706				
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1	3.538796	-4.340987	1.407884				
B-IN10b							
6	1.086314	3.714783	-0.785473				
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6	2.718368	5.089202	-2.589148				
6	2.304892	5.676120	-1.380821				
6	1.489603	5.011542	-0.460272				
6	0.043660	1.578515	-0.802926				
6	0.953118	1.779008	-2.091559				
1	2.608803	3.310359	-3.827714				
1	3.351063	5.646988	-3.271765				
1	2.627416	6.686856	-1.147541				
1	1.178536	5.482357	0.460867				
7	0.268515	2.816768	-0.052525				
6	-1.421047	1.296157	-1.256413				
1	-2.119343	1.643949	-0.489989				
1	-1.660546	1.770675	-2.208908				
7	-1.458746	-0.157345	-1.388130				
6	-0.486150	-0.797254	-0.498521				
1	0.022148	-1.655905	-0.951696				
1	-0.965067	-1.153222	0.425731				
6	0.510613	0.288879	-0.167333				
6	1.740585	0.084913	0.428128				
1	2.455561	0.908885	0.411613				
6	-0.330628	3.141607	1.153543				
8	-0.198326	4.196859	1.734481				
8	-1.085987	2.109848	1.614455				
6	-1.855256	2.417954	2.796760				
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1	-2.405657	1.505325	3.025032				
1	-1.194504	2.697881	3.620331				
16	-1.888731	-0.882766	-2.870787				
8	-2.022364	0.199483	-3.844724				
8	-0.961608	-2.008493	-3.070132				
6	-3.505171	-1.579066	-2.576740				
6	-4.637182	-0.811293	-2.861737				
6	-3.618576	-2.875726	-2.069845				
6	-5.896967	-1.354754	-2.622560				
1	-4.531134	0.182747	-3.282695				
6	-4.888644	-3.399334	-1.838096				
1	-2.730859	-3.470106	-1.881767				
6	-6.045199	-2.652582	-2.109142				
1	-6.781189	-0.764532	-2.848549				
1	-4.983739	-4.410028	-1.449983				
6	-7.416790	-3.242931	-1.890096				
1	-7.399445	-4.029278	-1.129250				
1	-8.137451	-2.479734	-1.579123				
1	-7.798408	-3.691693	-2.816428				
79	1.169960	-0.028761	2.549784				
15	0.968531	-0.283626	4.867648				
1	1.670030	-1.368933	5.421326				
1	1.428993	0.782420	5.660839				
1	-0.319097	-0.487112	5.396318				
8	1.117724	0.929955	-2.943736				
1	1.968498	-0.947234	-3.388201				
1	0.963616	-2.085297	-3.436839				
8	1.913093	-1.912761	-3.292849				