

Computational Investigations into the Structure and Reactivity of Small Transition Metal Clusters

by

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Supplementary Information - CD

Following is the information contained on the attached CD

Supplementary Information - Chapter 1

Nb₃ + CO (S = 1/2)

Nb₃

B3P86/SDD

Total Energy = -171.6135536 NImag = 0

41	1.222869	-0.737799	0.000000
41	0.000000	1.329275	0.000000
41	-1.222869	-0.591477	-0.000000

Structure 1

B3P86/SDD

Total Energy = -285.2241614 NImag = 0

41	-1.262209	-0.449838	-0.497269
41	0.973486	-1.012979	0.327911
41	0.652998	1.149561	-0.447245
6	-1.086242	0.544917	1.208805
8	-1.052227	1.196751	2.253488

Structure 2

B3P86/SDD

Total Energy = -285.2193049 NImag = 0

41	-1.512688	-0.140106	-0.030073
41	0.803984	-1.087291	-0.259110
41	0.523143	1.225150	-0.236302
6	-0.270898	-0.089695	1.534680
8	1.154173	0.078790	1.542100

Structure 3

B3P86/SDD

Total Energy = -285.2962505 NImag = 0

41	-1.599342	-0.180753	0.054037
41	1.058340	-0.975433	-0.172123
41	0.329746	1.338143	-0.135803
6	-0.643222	-1.815730	0.259908
8	1.565107	0.429264	1.106252

Structure 4

B3P86/SDD

Total Energy = -285.2169652 NImag = 1

41	-1.043250	-0.834795	-0.358522
41	1.432199	-0.440019	-0.041420
41	-0.188767	1.352283	-0.146502
6	0.175583	-0.385020	1.487489
8	-1.157620	-0.108265	1.684912

Structure 5

B3P86/SDD

Total Energy = -285.2169652 NImag = 1

41	0.669771	1.168703	-0.222695
41	-1.549487	-0.000722	-0.031573
41	0.671219	-1.168098	-0.222664
6	-0.440764	-0.000013	1.550952
8	1.399120	0.000606	1.281061

Mo₃+ CO (S=0)

Mo₃

B3P86/SDD

Total Energy = -205.3759151 NImag = 0

42	1.208215	-0.605251	0.000000
42	-0.000000	1.210407	-0.000000
42	-1.208215	-0.605156	-0.000000

Structure 6

B3P86/SDD

Total Energy = -318.9796842 NImag = 0

42	-0.807620	-0.999016	-0.330235
42	0.160849	1.136982	-0.355529
42	1.485400	-0.323186	0.388819
6	-2.069093	0.164832	0.532818
8	-2.850981	0.848780	1.159349

Structure 7

B3P86/SDD

Total Energy = -318.9155427 NImag = 0

42	-1.317626	-0.593461	-0.090777
42	1.238118	-0.589004	-0.301943
42	-0.074230	1.260880	-0.108754
6	0.018374	-0.931286	1.370090
8	0.793341	0.286788	1.605173

Structure 8

B3P86/SDD

Total Energy = -319.0465778 NImag = 0

42	-1.349848	-0.708192	0.102308
42	-0.419202	1.267223	-0.011974
42	1.274175	-0.278099	-0.253360
6	0.099375	-1.843900	-0.128501
8	2.523563	-0.091965	0.952259

Structure 9

B3P86/SDD

Total Energy = -318.9109036 NImag = 1

42	-1.103082	-0.640514	-0.392551
42	1.356059	-0.438947	-0.125577
42	-0.107438	1.304013	0.006664
6	0.168156	-1.131634	1.278450
8	-0.890195	-0.330168	1.726350

Structure 10

B3P86/SDD

Total Energy = -318.9150446 NImag = 1

42	1.222719	-0.586824	-0.290374
42	-1.242634	-0.681109	-0.041665
42	-0.154685	1.261032	-0.179701
6	0.195369	-0.741717	1.444779
8	0.770121	0.592515	1.603047

Mo₃CO MECP

B3P86/SDD

Total Energy = -319.02188 MECP

42	-1.4656853	-0.8220539	-0.0904808
42	-0.7935950	1.3701743	-0.2170198
42	1.2395472	-0.0989492	-0.2277596
6	0.1509893	-1.6845853	0.1352395
8	2.0356019	0.4662747	1.2032864

Tc₃ + CO (S = 5/2)

Tc₃

B3P86/SDD

Total Energy = -243.3085389 NImag = 0

43	1.212648	-0.647668	0.000000
43	0.000000	1.295968	0.000000
43	-1.212648	-0.648299	0.000000

Structure **11**

B3P86/SDD

Total Energy = -356.9180724 NImag = 0

43	-1.047262	-0.002128	-0.775536
43	0.910821	-1.105923	0.166618
43	0.911774	1.106507	0.162917
6	-2.031508	0.003135	0.779992
8	-2.643788	0.005951	1.812256

Structure **12**

B3P86/SDD

Total Energy = -356.9139785 NImag = 0

43	-0.830243	-1.081679	-0.349870
43	1.367689	-0.384761	0.388165
43	0.068891	1.234712	-0.433969
6	-1.387420	0.493289	0.744450
8	-2.218491	0.875573	1.568409

Structure 13

B3P86/SDD

Total Energy = -356.9405589 NImag = 0

43	-1.431733	-0.681403	0.038853
43	1.431511	-0.681828	0.038852
43	0.000188	1.187816	-0.284649
6	-0.000260	-1.869441	0.160179
8	0.000379	2.344941	0.992185

Structure 14

B3P86/SDD

Total Energy = -356.9078294 NImag = 1

43	-0.390023	1.201591	-0.404686
43	-1.241008	-0.655531	0.425289
43	1.038510	-0.796580	-0.471036
6	1.505703	0.424476	0.870048
8	2.055524	1.028190	1.768542

Structure 15

B3P86/SDD

Total Energy = -356.8388457 NImag = 1

43	-0.471276	1.430231	-0.038494
43	-1.049112	-1.084811	-0.038985
43	1.248474	-0.283223	-0.363032
6	-0.198173	0.040859	1.248777
8	1.610166	-0.364958	1.431159

Ru₃ + CO (S = 3)

Ru₃

B3P86/SDD

Total Energy = -285.7036967 NImag = 0

44	1.221961	-0.647673	0.000000
44	0.000000	1.286948	0.000000
44	-1.221961	-0.639275	0.000000

Structure 16

B3P86/SDD

Total Energy = -399.3196537 NImag = 0

44	0.952798	-0.787373	-0.000029
44	-1.715651	-0.498616	0.000026
44	-0.279691	1.226881	-0.000015
6	2.667103	-0.118369	-0.000002
8	3.733663	0.413870	0.000101

Structure 17

B3P86/SDD

Total Energy = -399.3159881 NImag = 0

44	0.380433	1.367779	-0.174756
44	0.380434	-1.367779	-0.174756
44	-1.506185	0.000000	0.186983
6	1.672833	0.000001	0.298756
8	2.844620	0.000001	0.669845

Structure 18

B3P86/SDD

Total Energy = -399.3046521 NImag = 0

44	-0.977043	-1.025487	-0.210781
44	1.376737	-0.333150	-0.210991
44	-0.399847	1.358732	-0.210702
6	0.000586	-0.000481	1.281567
8	0.000405	-0.000160	2.517429

Structure 19

B3P86/SDD

Total Energy = -399.3021996 NImag = 1

44	-1.018080	-0.846247	-0.473987
44	1.344450	-0.656152	0.364783
44	0.281289	1.329345	-0.330620
6	-1.594664	0.240436	0.850078
8	-2.146126	0.771466	1.781467

Structure 20

B3P86/SDD

Total Energy = -399.3034328 NImag = 1

44	0.670593	-1.207726	-0.325637
44	0.572782	1.255947	-0.325416
44	-1.473722	-0.056994	0.040095
6	0.593042	0.022324	1.230342
8	0.822128	0.031510	2.437517

Structure 21

B3P86/SDD

Total Energy = -399.2761398 NImag = 0

44	-1.010601	-1.179831	0.033937
44	1.663975	-0.110620	-0.008944
44	-0.912449	1.202434	-0.039331
6	0.776593	-1.640690	-0.134980
8	0.842466	1.714614	0.180097

Rh₃ + CO (S =3/2)

Rh₃

B3P86/SDD

Total Energy = -332.7897758 NImag = 0

45	1.234893	-0.700364	-0.000000
45	-1.234893	-0.700290	0.000000
45	0.000000	1.400655	0.000000

Structure 22

B3P86/SDD

Total Energy = -446.4052398 NImag = 0

45	1.141658	-1.036112	0.294090
45	-1.121224	-0.412229	-0.658751
45	0.668381	1.366885	-0.078531
6	-1.914958	0.081714	0.842522
8	-2.438370	0.396902	1.861064

Structure 23

B3P86/SDD

Total Energy = -446.4289551 NImag = 0

45	0.447567	1.321577	-0.311871
45	-1.517850	-0.000297	0.290964
45	0.448133	-1.321382	-0.311897
6	1.461515	0.000283	0.628125
8	2.403456	0.000360	1.400933

Structure 24

B3P86/SDD

Total Energy = -446.4279447 NImag = 0

45	-0.020449	1.467138	-0.195323
45	-1.260899	-0.751081	-0.195736
45	1.281266	-0.715726	-0.195955
6	-0.000471	-0.000611	1.184844
8	0.000812	-0.001402	2.413322

Structure 25

B3P86/SDD

Total Energy = -446.405219 NImag = 1

45	-0.484665	1.407791	-0.174027
45	1.081086	-0.618880	-0.593545
45	-1.262456	-0.888325	0.330591
6	1.840090	0.076278	0.846158
8	2.366380	0.501995	1.823397

Structure 26

B3P86/SDD

Total Energy = -446.4248204 NImag = 1

45	1.307690	-0.617959	-0.303452
45	-1.306823	-0.619801	-0.303136
45	-0.001118	1.460560	0.038327
6	-0.000826	-0.562518	1.145094
8	0.002033	-0.831361	2.337650

Structure 27

B3P86/SDD

Total Energy = -446.3561855 NImag = 0

45	-1.645153	-0.632626	0.067519
45	1.530303	-0.744406	-0.082625
45	-0.102242	1.400296	-0.142985
6	-0.104506	-1.451898	-0.093261
8	1.299522	0.958068	0.959208

MECP: Doublet-Quartet

B3P86/SDD

Total Energy = -446.4233 MECP

45	0.4937786	1.2437885	-0.4513164
45	0.4738271	-1.2289643	-0.4401185
45	-1.5019377	0.0257310	0.4744737
6	1.4122076	0.0050319	0.6935605
8	2.2228134	0.0026218	1.6000567

MECP: Doublet-Sextet

B3P86/SDD

Total Energy = -446.3964 MECP

45	1.0287699	-0.9545828	0.4271007
45	-1.1217401	-0.2930452	-0.6980917
45	0.7577838	1.3079656	-0.2173560
6	-1.9073972	0.0519811	0.8535229
8	-2.4219294	0.2848413	1.8952181

MECP: Quartet-Sextet

B3P86/SDD

Total Energy = -446.4032 MECP

45	1.2207757	-1.0118468	0.2601724
45	-1.0986272	-0.3442415	-0.5843699
45	0.8508338	1.3428067	-0.2081961
6	-2.0449977	0.0664129	0.8884805
8	-2.5924975	0.3440288	1.9043070

Pd₃ + CO (S = 1)

Pd₃

B3P86/SDD

Total Energy = -384.9699757 NImag = 0

46	0.000000	1.339140	-0.703380
46	0.000000	0.000000	1.406761
46	0.000000	-1.339140	-0.703380

Structure 28

B3P86/SDD

Total Energy = -498.5622842 NImag = 0

46	1.025700	-0.673414	-0.000011
46	-0.448504	1.456689	-0.000002
46	-1.628913	-0.790614	0.000006
6	2.818468	-0.187985	0.000019
8	3.933523	0.183189	0.000020

Structure 29

B3P86/SDD

Total Energy = -498.565925 NImag = 0

46	0.699705	-1.264669	-0.240742
46	-1.730056	-0.145116	0.241918
46	0.318038	1.323586	-0.266653
6	1.798942	0.193115	0.464136
8	2.746592	0.350813	1.178391

Structure 30

B3P86/SDD

Total Energy = -498.5565679 NImag = 0

46	-0.798737	-1.262251	-0.177691
46	1.564275	-0.000496	-0.216542
46	-0.797729	1.262858	-0.177516
6	0.139124	-0.000293	1.184913
8	0.080756	-0.000419	2.398872

Structure 31

B3P86/SDD

Total Energy = -498.5574971 NImag = 1

46	-1.152091	-0.000054	-0.540262
46	1.069025	1.258713	0.136731
46	1.069038	-1.258682	0.136776
6	-2.722511	0.000044	0.447519
8	-3.627456	0.000100	1.198201

Structure 32

B3P86/SDD

Total Energy = -498.5541355 NImag = 1

46	1.520428	-0.300934	-0.260909
46	-1.035726	-1.147991	-0.028840
46	-0.592596	1.313898	-0.287150
6	0.404803	0.381485	1.211241
8	0.316786	0.490297	2.408738

Structure 33

B3P86/SDD

Total Energy = -498.4504638 NImag = 0

46	-1.689711	-0.360168	0.004452
46	1.187380	-1.110676	-0.000564
46	0.231166	1.579834	-0.004639
6	-0.502407	-1.748176	-0.024555
8	1.936007	0.684440	0.022736

Structure 34

B3P86/SDD

Total Energy = -498.55548 MECP

46	-0.7187925	-1.4135873	-0.9224212
46	1.2319084	-0.3685069	0.1496848
46	-0.8336381	1.1269791	0.2329337
6	0.2630949	0.8393046	1.8347595
8	0.2885621	0.5407183	2.9878167

Ag₃ + CO (S = 1/2)

Ag₃

B3P86/SDD

Total Energy = -442.3482359 NImag = 0

47	0.000000	1.430542	0.000000
47	1.522002	-0.715290	0.000000
47	-1.522002	-0.715253	0.000000

Structure 35

B3P86/SDD

Total Energy = -555.9044273 NImag = 0

47	-1.129498	-0.002916	-0.001404
47	1.136504	-1.376624	0.000413
47	1.133272	1.379133	0.000408
6	-3.159494	0.000486	0.000054
8	-4.329512	0.002026	0.003385

Structure 36

B3P86/SDD

Total Energy = -555.8931679 NImag = 0

47	-0.482518	1.366415	-0.039103
47	1.855185	0.000000	0.043868
47	-0.482513	-1.366412	-0.039103
6	-2.318567	-0.000020	0.004987
8	-3.490736	-0.000005	0.197997

Structure 37

B3P86/SDD

Total Energy = -555.8694464 NImag = 1

47	-1.022152	-0.402963	-0.000007
47	0.651462	1.636313	-0.000003
47	1.491097	-1.160622	0.000006
6	-3.904128	0.409321	0.000075
8	-3.654300	-0.734266	-0.000037

Structure 38

B3P86/SDD

Total Energy = -555.8737945 NImag = 0

47	1.071433	-0.001894	-0.000360
47	-1.129918	-1.448297	0.000119
47	-1.125785	1.450611	0.000118
6	4.641099	0.000703	0.001519
8	3.476766	-0.002989	-0.000417

Structure **39**

B3P86/SDD

Total Energy = -555.7089384 NImag = 0

47	-2.167557	-0.500696	0.000231
47	1.900234	-0.779712	-0.000171
47	-0.058263	1.200337	-0.000445
6	-0.153232	-1.091582	-0.000067
8	2.027741	1.289102	0.002313

Supplementary Information - Chapter 4

2007-05-19 02:05:16

In this Kick run, there were 50 jobs run.
Of which 7 (14.00%) terminated normally.
1 (2.00%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-681.21545 0.000 Kick0006.log

2007-05-06 00:41:53

In this Kick run, there were 185 jobs run.
Of which 22 (11.89%) terminated normally.
8 (4.32%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-447.38051	1.425	Kick0187.log
-447.38400	1.330	Kick0144.log
-447.38567	1.285	Kick0113.log
-447.38647	1.263	Kick0014.log
-447.39965	0.904	Kick0085.log
-447.41908	0.376	Kick0177.log
-447.41909	0.375	Kick0140.log
-447.43288	0.000	Kick0149.log

2007-05-06 00:23:52

In this Kick run, there were 140 jobs run.
Of which 11 (7.86%) terminated normally.
7 (5.00%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-393.65354	1.165	Kick0003.log
-393.66378	0.887	Kick0056.log
-393.66911	0.742	Kick0033.log
-393.67325	0.629	Kick0063.log
-393.67326	0.629	Kick0108.log
-393.67402	0.608	Kick0009.log
-393.69637	0.000	Kick0002.log

2007-05-06 00:08:26

In this Kick run, there were 110 jobs run.

Of which 47 (42.73%) terminated normally.

6 (5.45%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-339.91328 0.764 Kick0066.log

-339.93099 0.282 Kick0068.log

-339.93491 0.176 Kick0029.log

-339.94116 0.006 Kick0038.log

-339.94117 0.005 Kick0050.log

-339.94137 0.000 Kick0053.log

2007-04-23 16:58:04

In this Kick run, there were 55 jobs run.
Of which 32 (58.18%) terminated normally.
1 (1.82%) of these jobs gave unique energies (5 dp).

The Unique Energies were:
-286.19471 Kick0026.log

2007-07-21 22:42:19

In this Kick run, there were 497 jobs run.
Of which 216 (43.46%) terminated normally.
43 (8.65%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-460.17206	4.316	Kick0158.log
-460.25766	1.987	Kick0195.log
-460.28488	1.246	Kick0324.log
-460.28632	1.207	Kick0376.log
-460.28642	1.204	Kick0087.log
-460.28643	1.204	Kick0151.log
-460.28850	1.148	Kick0110.log
-460.28940	1.123	Kick0489.log
-460.28948	1.121	Kick0085.log
-460.28966	1.116	Kick0055.log
-460.28969	1.115	Kick0082.log
-460.29040	1.096	Kick0083.log
-460.29075	1.086	Kick0044.log
-460.29140	1.069	Kick0176.log
-460.29142	1.068	Kick0371.log
-460.29512	0.967	Kick0078.log
-460.29822	0.883	Kick0173.log
-460.29837	0.879	Kick0339.log
-460.29879	0.868	Kick0408.log
-460.29973	0.842	Kick0130.log
-460.29974	0.842	Kick0156.log
-460.29983	0.839	Kick0180.log
-460.30282	0.758	Kick0343.log
-460.30440	0.715	Kick0054.log
-460.30492	0.701	Kick0323.log
-460.30720	0.639	Kick0264.log
-460.30990	0.565	Kick0428.log
-460.31083	0.540	Kick0154.log
-460.31147	0.522	Kick0419.log
-460.31176	0.515	Kick0232.log
-460.32164	0.246	Kick0403.log
-460.32206	0.234	Kick0118.log
-460.32228	0.228	Kick0155.log
-460.32393	0.183	Kick0193.log
-460.32514	0.150	Kick0427.log
-460.32722	0.094	Kick0047.log
-460.32737	0.090	Kick0426.log
-460.32822	0.067	Kick0004.log
-460.33067	0.000	Kick0350.log

2007-05-06 20:25:58

In this Kick run, there were 150 jobs run.
Of which 30 (20.00%) terminated normally.
6 (4.00%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-501.12555	0.090	Kick0037.log
-501.12583	0.082	Kick0042.log
-501.12584	0.082	Kick0068.log
-501.12744	0.038	Kick0075.log
-501.12746	0.038	Kick0063.log
-501.12885	0.000	Kick0128.log

2007-07-18 12:41:06

In this Kick run, there were 100 jobs run.
Of which 69 (69.00%) terminated normally.
18 (18.00%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-665.38335	1.049	Kick0039.log
-665.39223	0.807	Kick0029.log
-665.39228	0.806	Kick0053.log
-665.39655	0.690	Kick0095.log
-665.40351	0.500	Kick0079.log
-665.40357	0.499	Kick0034.log
-665.40557	0.444	Kick0035.log
-665.40743	0.393	Kick0038.log
-665.40932	0.342	Kick0068.log
-665.41022	0.318	Kick0008.log
-665.41329	0.234	Kick0059.log
-665.41330	0.234	Kick0082.log
-665.41511	0.184	Kick0004.log
-665.41512	0.184	Kick0085.log
-665.41955	0.064	Kick0067.log
-665.42027	0.044	Kick0018.log
-665.42188	0.000	Kick0049.log
-665.42189	0.000	Kick0051.log

2007-07-18 11:58:27

In this Kick run, there were 68 jobs run.
Of which 53 (77.94%) terminated normally.
8 (11.76%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-657.46992	1.250	Kick0008.log
-657.48786	0.761	Kick0027.log
-657.49966	0.440	Kick0055.log
-657.51018	0.154	Kick0004.log
-657.51019	0.154	Kick0053.log
-657.51203	0.104	Kick0069.log
-657.51204	0.103	Kick0044.log
-657.51584	0.000	Kick0043.log

2007-05-19 02:10:17

In this Kick run, there were 50 jobs run.

Of which 15 (30.00%) terminated normally.

3 (6.00%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-649.61727 0.080 Kick0012.log

-649.61728 0.079 Kick0037.log

-649.62020 0.000 Kick0016.log

2007-05-19 02:11:22

In this Kick run, there were 50 jobs run.
Of which 49 (98.00%) terminated normally.
5 (10.00%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-641.69129	0.008	Kick0029.log
-641.69149	0.003	Kick0023.log
-641.69150	0.003	Kick0019.log
-641.69159	0.000	Kick0045.log
-641.69160	0.000	Kick0026.log

2007-07-18 21:47:03

In this Kick run, there were 60 jobs run.
Of which 44 (73.33%) terminated normally.
11 (18.33%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-673.30326	0.523	Kick0027.log
-673.30502	0.475	Kick0043.log
-673.30657	0.433	Kick0018.log
-673.30899	0.367	Kick0038.log
-673.30952	0.353	Kick0028.log
-673.30953	0.352	Kick0035.log
-673.31173	0.293	Kick0059.log
-673.31209	0.283	Kick0053.log
-673.31298	0.259	Kick0058.log
-673.31299	0.258	Kick0050.log
-673.32248	0.000	Kick0004.log

2007-05-10 21:06:12

In this Kick run, there were 125 jobs run.

Of which 3 (2.40%) terminated normally.

3 (2.40%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-554.75986 0.132 Kick0085.log

-554.76470 0.000 Kick0015.log

-554.76471 0.000 Kick0055.log

2007-05-03 15:53:44

In this Kick run, there were 86 jobs run.

Of which 45 (52.33%) terminated normally.

13 (15.12%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-665.66240	2.385	Kick0045.log
-665.68066	1.888	Kick0073.log
-665.68578	1.749	Kick0056.log
-665.68883	1.666	Kick0043.log
-665.70311	1.278	Kick0057.log
-665.70419	1.248	Kick0034.log
-665.70824	1.138	Kick0028.log
-665.71137	1.053	Kick0050.log
-665.73623	0.376	Kick0012.log
-665.73625	0.376	Kick0026.log
-665.73780	0.334	Kick0039.log
-665.75005	0.000	Kick0038.log
-665.75006	0.000	Kick0005.log

-681.21545 Kick0006.log

79	-1.362132	1.439224	-0.001739
79	2.657059	-0.934101	-0.000865
79	0.000120	-1.009877	-0.000050
79	-2.656420	-0.934676	0.000916
79	1.361373	1.439430	0.001737

-447.38051 Kick0187.log
45 -1.427824 1.107683 0.062642
45 1.106391 1.405191 0.053140
45 0.119779 -1.010356 1.308081
41 1.354173 -0.685900 -0.767471
41 -1.132846 -0.963205 -0.795306

-447.38400 Kick0144.log
45 1.279553 1.299937 0.164273
45 0.039307 -1.258620 1.143374
45 -1.358305 1.230741 0.162156
41 -1.298640 -0.733573 -0.805325
41 1.341933 -0.662587 -0.807873

-447.38567 Kick0113.log
45 -0.427379 1.432362 -0.517777
45 -0.426594 -1.432199 -0.515836
45 2.217493 -0.001272 -0.276710
41 0.588505 0.002597 1.192310
41 -2.085052 -0.001380 0.245850

-447.38647 Kick0014.log
45 -0.439241 -1.451038 -0.340201
45 -0.490030 1.466945 -0.452949
45 2.346702 -0.083399 -0.324936
41 -2.271218 -0.084121 0.150245
41 0.715501 0.158198 1.076921

-447.39965 Kick0085.log
45 -0.256274 1.689708 0.162908
45 1.446433 -1.471180 -0.109647
45 -2.294303 -0.406944 -0.533244
41 1.851554 0.770054 -0.315464
41 -0.639688 -0.563256 0.842274

-447.41908 Kick0177.log
45 2.099420 -0.110683 -0.007427
45 -2.103279 -0.099369 0.003354
45 0.011428 1.549901 -0.003279
41 -0.014864 -0.739998 -1.159762
41 0.006557 -0.730568 1.167831

-447.41909 Kick0140.log
45 2.101560 -0.107360 0.000986
45 -2.102239 -0.106214 -0.003726
45 0.001308 1.551410 -0.016080
41 -0.005004 -0.716032 1.173762
41 0.004314 -0.752326 -1.153107

-447.43288 Kick0149.log
45 -1.319728 1.509486 -0.001997
45 2.287607 -0.000447 0.000160
45 -1.321235 -1.508603 0.001592

41	0.194344	-0.002693	-1.211393
41	0.193485	0.002214	1.211663

-393.65354 Kick0003.log
45 -1.218226 0.035441 -1.329894
45 -1.204146 -0.034006 1.337796
41 2.157141 -0.001993 -0.004247
41 0.248464 -1.432984 -0.037678
41 0.253096 1.433403 0.033251

-393.66378 Kick0056.log
45 1.288391 1.188015 -0.229864
45 -1.289273 1.187281 -0.229943
41 0.000230 -0.333646 1.460709
41 1.301958 -1.136298 -0.478143
41 -1.301220 -1.137087 -0.477899

-393.66911 Kick0033.log
45 1.277879 -0.825213 1.085368
45 -2.169052 -0.073709 0.098947
41 -0.256328 1.335961 0.523376
41 -0.270057 -1.042485 -0.896275
41 1.504502 0.693146 -0.926960

-393.67325 Kick0063.log
45 -1.922304 0.138415 -0.356167
45 1.923867 0.136642 -0.351927
41 -0.004998 -0.391605 1.481122
41 0.001182 -1.480528 -0.587480
41 0.002100 1.570240 -0.116465

-393.67326 Kick0108.log
45 -1.922926 0.133622 -0.356430
45 1.922784 0.139304 -0.355287
41 -0.003736 1.569479 -0.117862
41 0.004200 -1.482210 -0.583661
41 -0.000308 -0.386822 1.482676

-393.67402 Kick0009.log
45 1.931159 0.316416 -0.342691
45 -1.930609 0.318068 -0.342363
41 -0.000189 -0.812396 1.370192
41 -0.001295 -1.403103 -0.783973
41 0.000881 1.519114 0.165671

-393.69637 Kick0002.log
45 2.158671 -0.095643 0.020998
45 -2.158554 -0.094367 0.026249
41 -0.004894 -1.019935 -0.936877
41 -0.000682 1.411238 -0.494913
41 0.005447 -0.182756 1.379934

-339.91328 Kick0066.log
45 0.921383 -0.116938 1.428353
41 1.739749 0.063249 -0.753991
41 -0.347995 -1.356295 -0.626834
41 -2.059361 -0.014409 0.241921
41 -0.343668 1.435802 -0.428800

-339.93099 Kick0068.log
45 2.013822 -0.000100 -0.115008
41 0.088362 -1.434143 -0.471413
41 -0.411247 -0.005472 1.555481
41 0.090292 1.437161 -0.463627
41 -1.977700 0.002564 -0.494213

-339.93491 Kick0029.log
45 -1.927988 -0.000842 -0.135975
41 0.228629 -0.003793 1.511360
41 1.958217 0.002211 -0.341825
41 -0.033677 -1.511275 -0.512673
41 -0.037085 1.513782 -0.507621

-339.94116 Kick0038.log
45 -0.000784 1.631732 -0.002929
41 -1.860210 0.118287 0.001456
41 0.002393 -1.011091 1.251891
41 -0.001513 -1.017637 -1.248961
41 1.860191 0.119516 -0.001171

-339.94117 Kick0050.log
45 0.000195 1.630540 -0.000036
41 0.000408 -1.014821 -1.250483
41 1.860299 0.119621 0.000187
41 -1.860212 0.119978 -0.000564
41 -0.000709 -1.014395 1.250899

-339.94137 Kick0053.log
45 -1.850419 0.198859 -0.000104
41 0.060318 -1.099801 -1.158667
41 -0.003141 1.695570 -0.002288
41 1.915610 0.281504 0.001153
41 0.058161 -1.095532 1.159916

-286.19471 Kick0026.log

41	1.974419	0.001652	-0.145010
41	-0.000128	1.440120	-0.631694
41	0.000209	-0.009455	1.566559
41	-1.974420	0.001615	-0.144777
41	-0.000080	-1.433933	-0.645079

-460.17206 Kick0158.log

46	-0.951216	0.080092	-0.150962
45	1.518562	1.381775	-0.397193
44	1.328206	-1.325411	-0.604090
42	-3.235740	0.019616	0.054985
41	1.289773	-0.204144	1.197281

-460.25766 Kick0195.log

46	-1.488803	-1.487640	-0.206836
45	0.303220	1.627950	0.145572
44	2.234479	-0.309649	-0.540827
42	-1.759179	0.953730	-0.163505
41	0.741671	-0.762401	0.820178

-460.28488 Kick0324.log

46	2.236494	-0.090229	-0.705782
45	-1.279317	-1.451576	-0.137502
44	0.017974	1.491948	0.475570
42	0.651073	-0.668834	0.936579
41	-1.791350	0.778459	-0.527020

-460.28632 Kick0376.log

46	-2.219651	0.029572	-0.233265
45	0.246639	1.437727	-0.315269
44	0.453258	-1.198924	-0.762536
42	-0.340228	-0.380165	1.246798
41	2.081742	0.064915	0.148862

-460.28642 Kick0087.log

46	2.236192	0.009977	-0.194435
45	-0.290346	1.490223	-0.383693
44	-0.374678	-1.290493	-0.685355
42	0.271886	-0.254745	1.223570
41	-2.066650	-0.000926	0.121363

-460.28643 Kick0151.log

46	-2.236336	-0.029069	-0.146021
45	0.302341	1.500713	-0.438031
44	0.302881	-1.255635	-0.697498
42	-0.209829	-0.166829	1.232191
41	2.067127	-0.096101	0.130883

-460.28850 Kick0110.log

46	2.354932	-0.317101	-0.598389
45	0.441988	1.417265	0.403956
44	-1.652009	-1.227934	-0.160136
42	-1.762235	0.917438	-0.406189
41	0.450876	-0.821794	0.815947

-460.28940 Kick0489.log

46	-2.139424	-0.090208	-0.392791
45	0.159957	1.697593	-0.196848
44	0.603454	-1.594660	-0.388603

42	-0.356878	-0.261735	1.164273
41	1.942739	0.217460	-0.118887

-460.28948 Kick0085.log

46	-2.168364	0.078350	-0.246941
45	0.269084	1.522323	-0.013326
44	-0.202134	-0.681989	1.237581
42	0.276843	-0.935666	-0.989235
41	2.070791	-0.068369	-0.023091

-460.28966 Kick0055.log

46	2.251450	-0.290248	-0.341428
45	0.231157	1.608199	-0.140122
44	-1.139068	-1.431182	-0.468347
42	0.306715	-0.557436	1.017712
41	-1.871507	0.667482	-0.003060

-460.28969 Kick0082.log

46	-2.290010	-0.303015	-0.317917
45	-0.259935	1.588430	-0.151395
44	1.208205	-1.405805	-0.477865
42	-0.300413	-0.586350	0.979149
41	1.865704	0.705889	0.032652

-460.29040 Kick0083.log

46	-2.403962	-0.253461	-0.479304
45	1.631120	-1.343782	-0.209083
44	-0.366808	1.421135	0.362581
42	1.645018	1.140652	-0.303140
41	-0.384618	-0.934340	0.688660

-460.29075 Kick0044.log

46	-2.432861	-0.096139	0.024459
45	-0.238009	1.324297	-0.239005
44	-0.189550	-1.183663	0.089375
42	1.665957	-0.247098	-1.008347
41	1.487610	0.177764	1.171908

-460.29140 Kick0176.log

46	-1.763690	0.218144	-0.684455
45	-0.238905	-0.347847	1.548836
44	1.789944	0.031096	-0.483119
42	0.243137	1.550233	0.051823
41	0.071005	-1.484379	-0.466635

-460.29142 Kick0371.log

46	-1.750718	0.218886	-0.710293
45	-0.279913	-0.345253	1.544752
44	1.800912	0.029848	-0.463625
42	0.247555	1.548263	0.057705
41	0.085164	-1.484700	-0.460110

-460.29512 Kick0078.log

46	0.325269	-0.229739	1.633938
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45	1.586607	-0.193874	-0.736293
44	-1.724167	0.363108	-0.269366
42	-0.481365	-1.459466	-0.491835
41	0.237098	1.575932	-0.232165

-460.29822 Kick0173.log

46	-2.584293	-0.182714	-0.043746
45	2.090113	-0.657540	-0.622069
44	-0.346942	0.982502	-0.700386
42	-0.282022	-0.949428	0.529240
41	1.266652	0.844878	0.941324

-460.29837 Kick0339.log

46	0.589709	-0.363178	1.599871
45	-1.741737	0.537796	-0.059568
44	0.528098	1.524381	-0.228304
42	-0.649367	-1.395970	-0.468569
41	1.348503	-0.388699	-1.004591

-460.29879 Kick0408.log

46	1.872239	-0.125204	-0.302673
45	0.112944	1.697401	0.018548
44	-0.370563	-0.467292	1.476668
42	-0.217178	-1.472355	-0.569727
41	-1.604371	0.287221	-0.681869

-460.29973 Kick0130.log

46	1.883686	0.112872	-0.339238
45	-0.139493	1.687787	0.005663
44	-0.135370	-0.570099	1.445809
42	-1.703005	0.095275	-0.505208
41	-0.070484	-1.464871	-0.659677

-460.29974 Kick0156.log

46	-1.884442	0.118807	-0.341517
45	0.147015	1.686040	0.004973
44	0.129864	-0.567907	1.445657
42	1.705681	0.088913	-0.504089
41	0.066244	-1.465448	-0.657345

-460.29983 Kick0180.log

46	-2.334471	-0.323812	-0.281998
45	1.258411	-1.469164	-0.450394
44	-0.295257	1.495432	-0.239726
42	1.790763	0.829205	0.050040
41	-0.279600	-0.478485	1.016728

-460.30282 Kick0343.log

46	-2.180542	-0.210516	-0.024307
45	0.129641	1.457163	-0.637349
44	0.243811	-1.219844	-0.655538
42	2.046840	-0.188687	0.130241
41	-0.054240	0.139254	1.296887

-460.30440 Kick0054.log
46 1.940510 -0.161187 -0.501822
45 -1.820205 0.015142 -0.658841
44 0.099774 1.559569 -0.163358
42 -0.141869 -1.530241 -0.066800
41 -0.141118 0.058105 1.529878

-460.30492 Kick0323.log
46 -0.242671 -0.212306 1.681809
45 1.694856 0.553733 -0.268732
44 -0.626493 1.467970 -0.341341
42 -1.493511 -0.506628 -0.686000
41 0.614329 -1.425956 -0.522908

-460.30720 Kick0264.log
46 2.074314 -0.164548 -0.312531
45 -1.576028 -0.152664 -1.063621
44 0.152150 1.495884 -0.170978
42 -0.718196 0.220817 1.467422
41 -0.025063 -1.479369 0.198309

-460.30990 Kick0428.log
46 1.568126 -1.392260 -0.214989
45 1.713125 1.142959 -0.170836
44 -2.308470 -0.117622 -0.528727
42 -0.683340 -0.925172 0.662065
41 -0.462231 1.381546 0.317911

-460.31083 Kick0154.log
46 -1.768721 -1.241460 -0.226784
45 -1.531346 1.284948 -0.164361
44 2.280596 -0.217019 -0.541860
42 0.642645 1.251160 0.367907
41 0.559376 -1.066228 0.639464

-460.31147 Kick0419.log
46 -2.413554 -0.305159 -0.473632
45 1.751706 -1.244566 -0.260029
44 1.487281 1.271540 -0.246086
42 -0.536601 1.322775 0.381227
41 -0.261132 -1.011256 0.690357

-460.31176 Kick0232.log
46 1.646448 -1.389364 -0.258393
45 -2.336616 -0.341201 -0.473034
44 1.620711 1.144366 -0.136101
42 -0.479835 1.449245 0.145275
41 -0.530416 -0.779405 0.806329

-460.32164 Kick0403.log
46 -1.999403 -0.983209 -0.142489
45 2.468816 -0.191026 -0.020139
44 -1.049940 1.441682 0.165993
42 0.360601 0.065587 -1.108860

41	0.290926	-0.301582	1.139736
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-460.32206 Kick0118.log

46	1.968349	-0.980865	0.314005
45	-2.482074	-0.144013	0.076775
44	1.106189	1.344280	-0.536624
42	-0.232603	0.478594	1.037870
41	-0.433018	-0.674363	-0.923859

-460.32228 Kick0155.log

46	-2.020904	-0.880800	0.271708
45	2.451846	-0.134469	0.053541
44	-0.967189	1.345640	-0.602437
42	0.421985	-0.741898	-0.833070
41	0.181986	0.451695	1.136299

-460.32393 Kick0193.log

46	2.515556	0.063349	-0.023364
45	-1.281820	1.435498	-0.448770
44	-1.707602	-1.048087	0.350201
42	0.229445	0.311180	1.036348
41	0.182050	-0.840614	-0.918685

-460.32514 Kick0427.log

46	0.101381	1.625246	0.010765
45	2.110381	-0.235616	0.063005
44	-2.077604	-0.101670	-0.166921
42	0.124168	-0.740490	-1.052907
41	-0.327590	-0.697183	1.176493

-460.32722 Kick0047.log

46	-2.057274	-0.713640	0.153802
45	-0.787118	1.451141	-0.468746
44	2.319104	-0.031441	-0.016361
42	0.398532	-0.843641	-0.854411
41	0.275023	0.105913	1.234727

-460.32737 Kick0426.log

46	0.047593	1.623174	-0.041249
45	-2.133862	-0.146215	-0.164457
44	2.086809	-0.158997	0.145262
42	0.341178	-0.792132	-1.045351
41	-0.300355	-0.678560	1.141738

-460.32822 Kick0004.log

46	2.181087	-0.380762	-0.026665
45	-0.687065	1.988156	-0.174471
44	-1.420711	-1.557453	0.173843
42	-0.168430	-0.320985	-1.122813
41	0.004226	0.245302	1.185045

-460.33067 Kick0350.log

46	-2.445282	-0.027393	-0.117402
45	0.924791	1.474169	-0.560429

44	1.931025	-0.756281	0.240033
42	-0.077408	-1.092259	-0.632453
41	-0.264550	0.343261	1.137107

-501.12555 Kick0037.log

45	-2.182363	-0.000038	0.195904
45	2.110659	-0.000423	0.313248
45	0.083767	1.388568	-0.763037
45	0.083161	-1.388478	-0.762889
41	-0.104513	0.000407	1.115972

-501.12583 Kick0042.log

45	0.035394	1.377439	-0.752163
45	0.115754	-1.376789	-0.779020
45	-2.169745	-0.003458	0.194984
45	2.105736	0.046962	0.303291
41	-0.095641	-0.048462	1.133681

-501.12584 Kick0068.log

45	-0.110956	-1.376009	-0.779634
45	-2.106165	0.045078	0.300748
45	-0.035675	1.378500	-0.750264
45	2.167848	-0.001987	0.195484
41	0.093235	-0.050029	1.134511

-501.12744 Kick0075.log

45	-1.897469	0.035458	-0.237982
45	1.897763	-0.036888	-0.238006
45	0.036702	1.861847	-0.281392
45	-0.037041	-1.861502	-0.280597
41	0.000049	0.001191	1.139243

-501.12746 Kick0063.log

45	1.886617	0.008308	-0.251960
45	0.008880	-1.875201	-0.266445
45	-0.007940	1.875334	-0.266424
45	-1.886663	-0.008410	-0.252627
41	-0.000983	-0.000034	1.138672

-501.12885 Kick0128.log

45	-0.212184	-0.003741	1.433852
45	1.370703	1.406582	-0.133994
45	1.370133	-1.406308	-0.140090
45	-2.322110	0.000565	-0.198976
41	-0.226692	0.003184	-1.054528

-665.38335 Kick0039.log
46 -0.911155 0.000132 1.787373
46 3.669541 -0.000575 -0.100515
79 -1.365971 -1.353446 -0.455359
79 -1.364630 1.353771 -0.455380
79 1.124453 -0.000067 -0.071482

-665.39223 Kick0029.log
46 1.907774 1.348251 0.076146
46 2.981631 -0.925984 -0.053432
79 -2.405384 -0.701338 0.014575
79 -0.837412 1.425006 -0.043984
79 0.395801 -0.969546 0.016182

-665.39228 Kick0053.log
46 -1.873000 1.299949 0.384049
46 -2.963649 -0.874432 -0.271506
79 0.805547 1.413463 -0.214069
79 -0.394962 -0.987825 0.083757
79 2.405691 -0.673408 0.064780

-665.39655 Kick0095.log
46 2.053700 0.001091 1.249551
46 2.055164 -0.001282 -1.248346
79 0.002108 -1.340099 0.000215
79 0.002398 1.340145 -0.001073
79 -2.397009 0.000066 0.000156

-665.40351 Kick0079.log
46 0.005954 -0.140095 1.709527
46 2.364305 0.281662 0.348740
79 0.566762 -1.390932 -0.641402
79 -2.091430 -0.094793 0.018784
79 0.144518 1.403293 -0.575866

-665.40357 Kick0034.log
46 2.382865 0.097182 0.299491
46 0.030516 -0.049537 1.726154
79 -2.067464 -0.032761 0.022434
79 0.259024 1.413154 -0.587992
79 0.403180 -1.408136 -0.613932

-665.40557 Kick0035.log
46 -2.515573 -1.264795 0.314881
46 0.771427 1.471232 0.680628
79 -1.694650 1.129912 -0.370224
79 0.084082 -1.055957 -0.030730
79 2.626146 -0.194159 -0.178710

-665.40743 Kick0038.log
46 -0.085131 1.180597 -0.000001
46 -2.593294 1.575306 0.000092
79 -1.881356 -0.959138 -0.000105

79	0.844747	-1.318219	0.000110
79	2.596198	0.672655	-0.000058

-665.40932 Kick0068.log

46	0.180246	1.400105	-0.363322
46	-1.473426	0.670252	1.556064
79	2.562502	0.119253	-0.215797
79	0.249976	-1.128339	0.407120
79	-2.059488	-0.196439	-0.885831

-665.41022 Kick0008.log

46	1.423048	1.206452	1.221740
46	0.463857	1.268321	-1.152417
79	2.233203	-0.749555	-0.348228
79	-0.443450	-0.681211	0.395020
79	-2.888458	-0.010241	-0.087158

-665.41329 Kick0059.log

46	1.443098	1.162479	1.271308
46	1.440210	1.163400	-1.271270
79	-0.584562	-0.175798	0.000512
79	2.052881	-1.108487	-0.000683
79	-3.147207	-0.070025	0.000149

-665.41330 Kick0082.log

46	1.442372	1.162637	-1.271468
46	1.441064	1.162806	1.271707
79	-0.584286	-0.174785	-0.000567
79	-3.146490	-0.070283	0.000085
79	2.051814	-1.108987	0.000343

-665.41511 Kick0004.log

46	1.159170	0.973155	1.173849
46	0.130857	-1.091974	-0.022754
79	2.711366	-0.465638	-0.314274
79	-0.948365	1.298709	-0.532288
79	-2.514155	-0.763885	0.176305

-665.41512 Kick0085.log

46	-1.154048	0.954760	1.192576
46	-0.126648	-1.104147	-0.018349
79	2.516327	-0.751074	0.171293
79	0.930167	1.298150	-0.534356
79	-2.700772	-0.460092	-0.320665

-665.41955 Kick0067.log

46	0.931372	1.433375	0.892411
46	-0.927763	1.433607	-0.891852
79	-0.001103	-0.971442	0.001239
79	2.588780	-0.349802	-0.187275
79	-2.589778	-0.348138	0.185710

-665.42027 Kick0018.log

46	0.823582	-1.030236	1.421406
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46	-0.198966	-1.187229	-0.938096
79	-2.500002	-0.088425	-0.079282
79	-0.171121	1.229711	0.210651
79	2.307424	0.149897	-0.412790

-665.42188 Kick0049.log

46	-0.115272	-1.001301	-1.265504
46	0.123756	-1.004551	1.266927
79	2.321114	-0.103576	-0.039476
79	-2.322613	-0.107783	0.036425
79	-0.003441	1.379324	0.002222

-665.42189 Kick0051.log

46	-0.136987	-1.005141	-1.267164
46	0.137161	-1.004787	1.267326
79	-2.322981	-0.103483	0.043572
79	0.000931	1.377871	-0.000136
79	2.321948	-0.104050	-0.043530

-657.46992 Kick0008.log
46 -3.407334 -0.021345 0.001596
46 0.678771 -2.235809 0.005493
46 0.568484 2.243661 0.005442
79 2.031643 0.037323 -0.002300
79 -0.773875 -0.029467 -0.004996

-657.48786 Kick0027.log
46 2.829972 -0.893306 -0.000861
46 1.724530 1.455494 -0.001073
46 -0.865059 1.683528 0.001287
79 0.248636 -0.860240 0.001530
79 -2.396919 -0.447392 -0.001153

-657.49966 Kick0055.log
46 0.823625 0.180760 1.762618
46 -0.333831 1.620921 -0.201048
46 -2.609191 0.334479 -0.244483
79 1.793679 0.017212 -0.716021
79 -0.559599 -1.261052 -0.050890

-657.51018 Kick0004.log
46 -0.143105 -0.939163 1.440151
46 -0.138523 -0.982346 -1.413532
46 -2.321246 -0.409884 -0.000395
79 1.933638 -0.061232 -0.000395
79 -0.418040 1.418752 -0.014875

-657.51019 Kick0053.log
46 -0.138379 -0.967526 -1.423605
46 -0.139497 -0.949627 1.433042
46 -2.320538 -0.413671 0.001257
79 1.933667 -0.060791 0.000328
79 -0.420666 1.417980 -0.006556

-657.51203 Kick0069.log
46 0.001005 -0.643987 1.517770
46 0.003781 -1.005354 -1.310898
46 -0.001984 1.639615 -0.207668
79 2.096580 0.003902 0.000651
79 -2.098211 0.001761 -0.000188

-657.51204 Kick0044.log
46 0.000421 -0.751387 1.471615
46 -0.000382 -0.899616 -1.385394
46 -0.000199 1.651133 -0.085136
79 -2.095661 -0.000080 -0.000154
79 2.095754 0.000004 -0.000478

-657.51584 Kick0043.log
46 2.139099 -0.002839 0.079199
46 -2.138837 0.001993 0.078665
46 -0.000561 0.000821 1.769770

79	0.002141	1.465242	-0.561483
79	-0.001966	-1.465228	-0.560937

-649.61727 Kick0012.log

46	-0.344063	-0.827519	1.371452
46	-0.343885	-0.841442	-1.363187
46	-2.306702	0.068584	-0.000793
46	-0.202296	1.645017	-0.007349
79	1.861513	-0.025992	-0.000072

-649.61728 Kick0037.log

46	-0.345520	-0.835425	1.364233
46	-0.199991	1.646218	0.000359
46	-2.308939	0.070090	-0.000903
46	-0.343968	-0.835292	-1.363821
79	1.862370	-0.026547	0.000077

-649.62020 Kick0016.log

46	-0.001184	-1.062765	-1.284797
46	-0.000802	-1.061032	1.287385
46	-2.151770	-0.158405	-0.001215
46	2.153044	-0.159761	-0.001441
79	0.000414	1.421903	0.000039

-641.69129 Kick0029.log
46 -1.271453 -1.251537 -0.406051
46 -0.000860 -0.000256 1.623526
46 -1.285107 1.238257 -0.406396
46 1.271767 1.251504 -0.405162
46 1.285654 -1.237969 -0.405917

-641.69149 Kick0023.log
46 -0.000419 -1.140902 -1.095964
46 0.000877 -0.420297 1.417545
46 -0.001223 1.418930 -0.468708
46 2.163307 0.071498 0.073025
46 -2.162541 0.070771 0.074103

-641.69150 Kick0019.log
46 2.161734 0.074354 0.067709
46 -2.162288 0.079610 0.067605
46 -0.003699 -1.251961 -0.973045
46 0.004832 1.369535 -0.610061
46 -0.000579 -0.271538 1.447793

-641.69159 Kick0045.log
46 -2.138249 -0.022652 0.038891
46 0.025464 -1.395231 -0.749771
46 2.139447 0.011978 0.037529
46 -0.027528 1.400033 -0.752873
46 0.000866 0.005872 1.426223

-641.69160 Kick0026.log
46 -0.000247 1.404507 -0.741241
46 2.138048 0.001267 0.036852
46 -0.000013 -0.011985 1.426249
46 0.000338 -1.394673 -0.758667
46 -2.138127 0.000884 0.036807

-673.30326 Kick0027.log
46 2.359830 1.670195 0.007102
79 -1.993491 -1.426694 0.003995
79 2.662391 -0.920940 -0.002352
79 -2.260573 1.205083 -0.002310
79 0.217595 0.170032 -0.003468

-673.30502 Kick0043.log
46 -1.043956 -1.429324 0.633361
79 -3.164656 -0.274774 -0.436335
79 3.728061 -0.051042 -0.145463
79 1.164372 -0.109964 -0.094125
79 -1.119904 1.268044 0.307131

-673.30657 Kick0018.log
46 -2.509765 -1.519966 0.000474
79 -2.005650 1.041008 -0.000268
79 2.690875 -0.388045 -0.000006
79 0.069357 -1.171542 -0.000271
79 0.706801 1.403622 0.000269

-673.30899 Kick0038.log
46 1.342150 0.001562 1.776436
79 1.655514 -1.361407 -0.481263
79 -0.766412 -0.001411 -0.011133
79 1.654644 1.361517 -0.482405
79 -3.325251 0.000391 -0.059580

-673.30952 Kick0028.log
46 -1.265527 0.015898 1.749919
79 -2.206287 -0.006840 -0.731548
79 2.554557 -0.003123 -0.113818
79 0.195951 1.360787 -0.094688
79 0.192669 -1.360080 -0.078886

-673.30953 Kick0035.log
46 -1.305774 0.000454 1.740491
79 -2.195766 -0.000399 -0.755843
79 2.560315 -0.000075 -0.120783
79 0.198028 -1.358308 -0.068134
79 0.197747 1.358518 -0.068691

-673.31173 Kick0059.log
46 -0.264395 0.000506 -1.412313
79 1.710233 1.330630 -0.074060
79 -2.749243 0.000083 -0.242827
79 1.711196 -1.330006 -0.075338
79 -0.518235 -0.001002 1.214584

-673.31209 Kick0053.log
46 -0.000905 0.001767 1.689200
79 0.001228 1.394016 -0.571007
79 -0.000819 -1.393970 -0.569840

79	2.320343	-0.001152	0.078872
79	-2.320225	0.000077	0.078391

-673.31298 Kick0058.log

46	1.316916	1.592833	0.501541
79	-1.247879	1.409888	-0.287883
79	0.205475	-0.898252	0.075738
79	2.796742	-0.546396	-0.180675
79	-2.521150	-0.892713	0.100784

-673.31299 Kick0050.log

46	1.315795	1.596167	0.490893
79	2.798062	-0.545994	-0.177718
79	-1.252890	1.412154	-0.281544
79	-2.518617	-0.897419	0.098143
79	0.207286	-0.898153	0.075284

-673.32248 Kick0004.log

46	0.000042	-1.043339	0.039633
79	2.657962	-1.013763	-0.007356
79	-2.658116	-1.013645	-0.016015
79	-1.357599	1.317455	0.008625
79	1.357728	1.317467	-0.008331

-554.75986 Kick0085.log

45	-2.091247	0.004598	-0.004678
45	-0.004133	1.313858	-0.647948
45	-0.006554	-1.271538	-0.727358
45	0.051585	-0.051487	1.424218
45	2.050348	0.004569	-0.044234

-554.76470 Kick0015.log

45	-1.499153	0.892868	-0.344124
45	0.002746	-0.095417	1.480640
45	1.481563	-0.839506	-0.399050
45	0.883640	1.494562	-0.324948
45	-0.868797	-1.452508	-0.412518

-554.76471 Kick0055.log

45	1.308380	-1.089762	-0.393384
45	-1.114290	-1.276283	-0.416733
45	-1.309640	1.145055	-0.348722
45	-0.026291	-0.093402	1.480634
45	1.141842	1.314391	-0.321795

-665.66240 Kick0045.log
45 0.000135 -1.174538 0.842952
45 -0.000034 1.174121 0.842914
45 -1.964843 -1.174330 -0.421543
45 1.964954 -1.174179 -0.421634
45 1.964611 1.174535 -0.421332
45 -1.964823 1.174391 -0.421357

-665.68066 Kick0073.log
45 0.211665 -1.271510 -0.000158
45 -2.129736 -1.171939 -0.000267
45 -2.129576 1.171903 -0.000059
45 1.916835 -0.000465 1.238897
45 0.212454 1.272294 -0.000173
45 1.918359 -0.000283 -1.238239

-665.68578 Kick0056.log
45 2.567006 0.180659 -0.258496
45 0.567934 0.469077 1.002405
45 -0.923235 -1.500241 1.022420
45 -1.787556 -0.126227 -0.861103
45 -0.927707 1.979167 0.031609
45 0.503558 -1.002436 -0.936835

-665.68883 Kick0043.log
45 -2.597465 -0.807610 -0.011162
45 1.276096 0.954087 -1.023785
45 0.667206 0.526872 1.340506
45 2.202702 -1.024266 0.122090
45 -0.256878 -0.925179 -0.423511
45 -1.291661 1.276097 -0.004137

-665.70311 Kick0057.log
45 2.129449 0.591727 -0.367970
45 1.257805 -1.605956 0.158143
45 0.149168 1.651721 0.601319
45 -2.551917 -0.040844 -0.432247
45 -0.238282 -0.070715 -1.137306
45 -0.746223 -0.525933 1.178060

-665.70419 Kick0034.log
45 -0.737505 1.705948 0.373593
45 -2.249038 -0.002178 -0.444601
45 2.616618 -0.000241 -0.431435
45 0.291320 -0.000048 -1.107243
45 -0.734270 -1.705469 0.375796
45 0.812876 0.001988 1.233890

-665.70824 Kick0028.log
45 1.337301 1.218131 -0.845002
45 -0.735096 1.246120 0.386429
45 -0.733469 -1.244418 0.387478
45 1.338147 -1.217562 -0.846030

45	-2.604102	-0.001679	-0.387115
45	1.397220	-0.000592	1.304241

-665.71137 Kick0050.log

45	0.557693	1.227617	-0.824534
45	-1.808698	-1.210059	0.023628
45	2.424406	-0.000274	0.375327
45	-1.808399	1.210174	0.023661
45	0.077602	-0.000117	1.226804
45	0.557396	-1.227341	-0.824885

-665.73623 Kick0012.log

45	-0.780277	1.287498	-0.941082
45	-0.223551	-1.068526	-1.177607
45	-2.030745	-0.230936	0.488117
45	2.025729	-0.258305	-0.487979
45	0.796554	1.305302	0.911316
45	0.212290	-1.035033	1.207236

-665.73625 Kick0026.log

45	-2.045567	-0.278482	0.495973
45	0.839585	1.313636	0.879407
45	2.042498	-0.292621	-0.495799
45	-0.234149	-1.031839	-1.185449
45	-0.829540	1.308032	-0.891274
45	0.227173	-1.018726	1.197143

-665.73780 Kick0039.log

45	1.956437	-0.006256	0.003406
45	0.202947	0.267706	-1.681653
45	-1.955832	0.008873	-0.001825
45	0.193988	-0.271232	1.681724
45	-0.207109	-1.682010	-0.270182
45	-0.190431	1.682920	0.268529

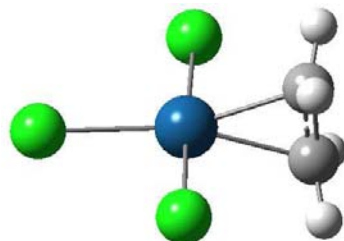
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45	1.220304	1.267269	-0.612775
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45	-1.221814	-0.098298	1.402769
45	1.217747	-1.169239	-0.785924
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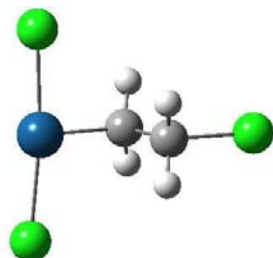
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45	-1.221975	-0.960162	-1.027181
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45	-1.202696	1.379111	-0.327308
45	1.208617	-0.975518	-1.023421
45	-1.221709	-0.396694	1.349476
45	1.208854	-0.412273	1.351252

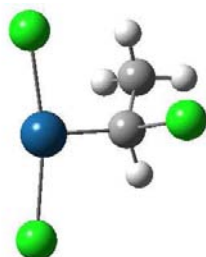
Supplementary Information - Chapter 5

**Figure 1 (S1.1)****-1580.46888 a.u.**

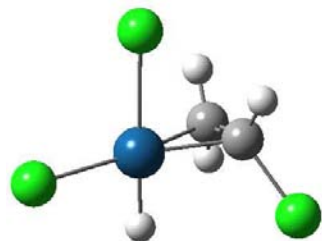
78	-0.000046	-0.042486	-0.000045
17	2.398361	-0.089508	0.000102
17	0.001122	2.346916	0.000012
17	-2.398639	-0.087854	0.000044
6	-0.000857	-2.056090	0.711809
6	-0.000481	-2.056352	-0.711690
1	-0.927165	-2.223101	1.254441
1	0.925164	-2.223731	1.254874
1	0.925705	-2.223416	-1.254364
1	-0.926418	-2.223579	-1.254841

**S1.2****-1580.43576 a.u.**

78	0.768831	0.013928	0.000935
17	0.992301	-2.351783	-0.056711
17	0.824044	2.391298	-0.048581
17	-3.874006	-0.071512	0.013357
6	-1.120115	-0.053050	0.704191
6	-1.991932	-0.014682	-0.519163
1	-1.892408	-0.891360	-1.156555
1	-1.922468	0.917925	-1.075999
1	-1.234607	-0.984533	1.267204
1	-1.266789	0.821911	1.345183

**S1.3****-1580.43308 a.u.**

78	0.405685	0.357999	-0.042025
17	-1.251347	2.067689	-0.167618
17	2.370886	-0.993233	0.004586
17	-1.845935	-1.768421	-0.871085
6	-1.599868	-0.831537	1.756227
6	-0.700619	-1.144172	0.572629
1	-0.974676	-0.511229	2.599344
1	-2.169656	-1.724352	2.051607
1	-0.057654	-2.016002	0.720975
1	-2.289817	-0.020719	1.512892



S1.4

-1580.42119 a.u.

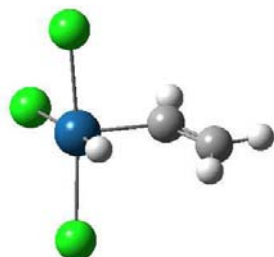
78	0.228885	-0.178585	0.154170
17	-3.031841	-0.596229	-0.584469
17	1.017834	2.148475	-0.443805
17	2.302738	-1.271632	-0.303026
6	-1.685278	0.578422	-0.089045
6	-1.325734	0.696221	1.286162
1	-1.671718	1.414102	-0.779271
1	-0.969876	1.660484	1.640843
1	-1.758003	0.026476	2.023063
1	-0.295802	-1.589762	0.539459



S1.5

-1580.41379 a.u.

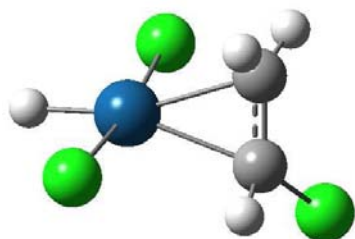
78	0.337353	-0.300916	0.132069
17	-2.832614	0.052789	-0.930840
17	-0.010554	2.173924	0.244506
17	2.573530	-0.103279	-0.701539
6	-1.651879	-0.902070	0.117781
6	-1.322443	-0.460632	1.433362
1	-1.766255	-1.949655	-0.134992
1	-1.619960	0.532197	1.757275
1	-1.136583	-1.199590	2.210184
1	0.639064	-1.833674	0.153110



S1.6

-1580.41196 a.u.

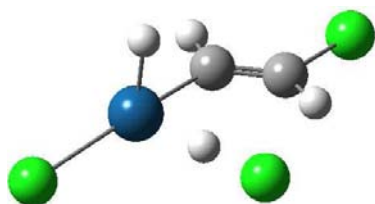
78	0.008853	0.030673	-0.248920
17	-2.335742	-0.321806	-0.481429
17	0.342471	-2.098097	0.989994
17	2.359010	0.420337	-0.429179
6	-0.175330	1.324583	1.237875
6	-0.680932	2.564010	1.206934
1	-0.172908	1.256068	-1.178293
1	-0.736853	3.140781	2.131102
1	0.197784	0.841808	2.141678
1	-1.058491	3.029885	0.302848



S1.7

-1580.40447 a.u.

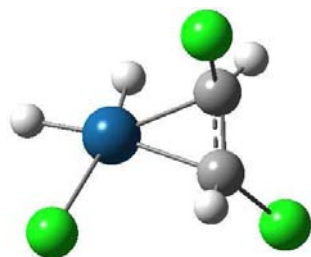
78	-0.408886	0.357163	-0.055561
17	1.352332	1.980142	0.020913
17	2.389638	-1.594868	-0.480468
17	-2.353581	-1.069868	-0.165395
6	0.607727	-0.835670	1.564832
6	0.765897	-1.506406	0.360222
1	-0.221704	-1.102755	2.213822
1	1.405226	-0.225557	1.975766
1	-1.253213	1.463043	-0.797447
1	0.118426	-2.302895	0.015429



S1.8

-1580.37035 a.u.

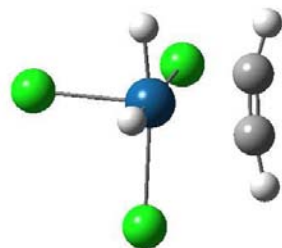
78	0.595026	-0.405126	0.088599
17	-0.064548	2.835979	0.016278
17	-4.128225	-0.444155	-0.183997
17	2.964529	-0.300268	-0.349883
6	-2.348421	0.091097	-0.049111
6	-1.359123	-0.803466	0.077482
1	0.263254	1.329567	0.084210
1	-1.624890	-1.865527	0.138788
1	0.349857	-0.316747	1.589062
1	-2.274844	1.170340	-0.093754



S1.9

-1580.34596 a.u.

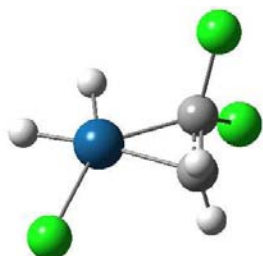
78	-0.584038	0.011477	-0.519897
17	-1.841881	-0.229393	1.626143
17	1.614602	2.277139	0.519901
17	1.940368	-2.143771	0.244678
6	1.430842	0.575967	-0.211261
6	1.164323	-0.511779	0.642102
1	0.943993	-0.436727	1.698745
1	-1.988486	0.217105	-1.263833
1	2.072775	0.500788	-1.078369
1	-0.166833	0.070897	-2.031870



S1.10

-1580.34504 a.u.

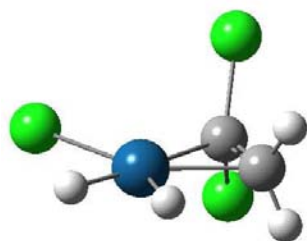
78	0.020697	-0.038149	-0.351063
17	-0.223466	2.077838	1.039866
17	0.706808	-1.600852	1.523844
17	-2.312666	-0.501153	-0.190460
6	2.121717	-0.263274	-1.047743
6	2.076343	0.805659	-0.398771
1	-0.029406	-1.296906	-1.261174
1	2.228724	1.718371	0.141586
1	-0.365972	0.832036	-1.577776
1	2.462419	-1.121362	-1.585863



S1.11

-1580.34258 a.u.

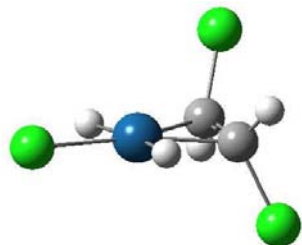
78	-0.566427	-0.000318	-0.387655
17	2.375346	-1.512943	0.117838
17	2.374589	1.513602	0.116477
17	-2.741825	0.000558	0.802375
6	0.460126	0.000843	1.548013
6	1.331183	-0.000089	0.428915
1	0.277900	-0.000899	-1.716112
1	-1.498683	-0.002120	-1.680400
1	0.258398	-0.926060	2.075046
1	0.258004	0.928665	2.073281



S1.12

-1580.33832 a.u.

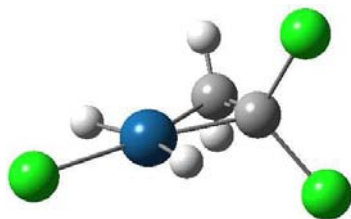
78	0.839222	-0.361805	-0.000106
17	-2.113655	0.326150	1.514109
17	-2.113765	0.327792	-1.513732
17	0.994136	2.095981	0.000673
6	-0.842480	-1.684489	-0.000768
6	-1.268068	-0.319889	-0.000383
1	2.429294	-0.224391	-0.000362
1	-0.910993	-2.256928	0.920410
1	1.561667	-1.763850	-0.000427
1	-0.910193	-2.256449	-0.922317



S1.13

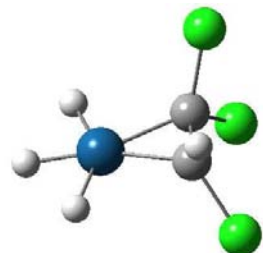
-1580.33205 a.u.

78	-0.505544	-0.000021	0.000297
17	-2.926227	0.000008	-0.000702
17	2.062621	-2.196937	-0.091468
17	2.062547	2.197017	0.090803
6	1.418353	-0.531783	0.484555
6	1.418222	0.531849	-0.484630
1	1.742867	0.384491	-1.505799
1	-0.727899	1.009183	-1.266380
1	1.743709	-0.384624	1.505549
1	-0.727712	-1.009324	1.267144



-1580.32614 a.u.

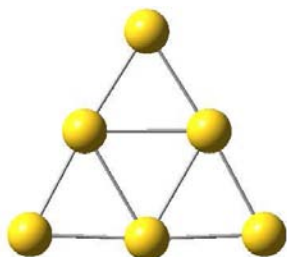
78	0.585976	-0.000370	0.143334
17	2.897303	0.001036	-0.596200
17	-2.347041	1.512876	-0.453140
17	-2.347174	-1.511883	-0.454531
6	-1.007818	-0.000779	1.528578
6	-1.430161	0.000337	0.146710
1	0.315511	0.000387	-1.461951
1	-1.086090	0.920544	2.098534
1	1.327690	-0.002141	1.598836
1	-1.087841	-0.921780	2.098590



S1.15

-1580.27161 a.u.

78	-1.097371	-0.067457	0.088912
17	1.269630	2.393435	-0.491517
17	1.515194	-1.967389	-0.976707
17	2.021615	-0.213670	1.440591
6	0.922229	-0.439104	-0.030618
6	0.599363	0.698045	-0.884105
1	-1.993687	1.095010	-0.601392
1	-2.633954	-0.233526	0.502932
1	-1.270962	-1.336854	1.081438
1	0.654554	0.572952	-1.960036

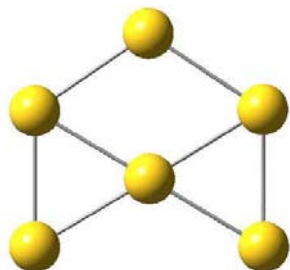


Au₆

Figure 2 (S2.1)

-817.51011 a.u.

79	0.830760	1.405158	0.006235
79	0.800407	-1.420030	-0.000443
79	-1.510248	2.676588	-0.002819
79	3.073665	-0.031856	-0.002972
79	-1.631539	0.016281	-0.000730
79	-1.563046	-2.646142	0.000728

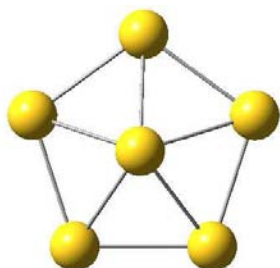


Au₆

S2.2

-817.48926 a.u.

79	-2.284470	0.870652	0.005508
79	-0.012862	2.415445	-0.001996
79	2.294896	-1.847161	0.003164
79	-2.286239	-1.846429	-0.014588
79	2.278271	0.896644	-0.012408
79	0.010404	-0.489152	0.020320

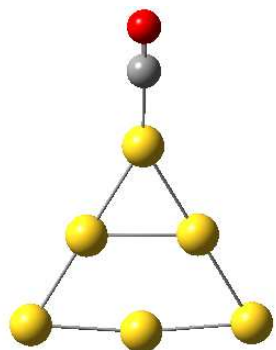


Au₆

S2.3

-817.47840 a.u.

79	1.949070	-1.406505	-0.204054
79	1.939836	1.419022	-0.205369
79	-2.403674	-0.008427	-0.204508
79	-0.000062	0.000161	1.024114
79	-0.750177	2.283548	-0.204729
79	-0.734992	-2.287798	-0.205455

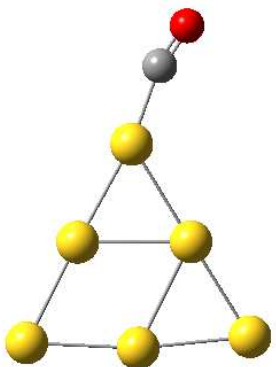


Au₆CO

Figure 3 (S3.1)

-931.06675 a.u.

79	-2.994295	-0.003881	-0.004355
79	-0.641354	-1.337177	0.009535
79	1.689279	2.657198	-0.000345
79	1.696121	-2.653597	-0.003931
79	-0.644757	1.335694	0.002412
79	1.894717	0.001875	-0.002202
6	-4.977114	-0.002193	-0.008925
8	-6.139308	0.000540	-0.004309

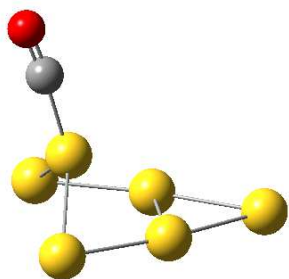


Au₆CO

S3.2

-931.06595 a.u.

79	1.326314	2.838183	-0.020941
79	-0.789592	1.206824	0.025306
79	2.025502	-2.419989	-0.008637
79	-2.962370	-0.438051	-0.016355
79	1.868401	0.223443	0.015937
79	-0.496616	-1.470786	0.002911
6	-4.896215	0.029542	-0.012777
8	-5.922783	0.574068	0.027152

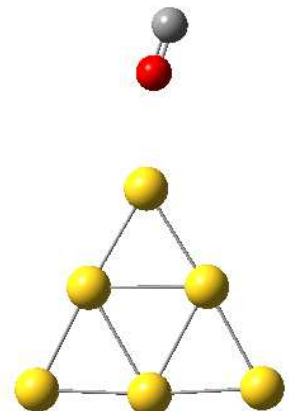


Au_6CO

S3.3

-931.05359 a.u.

79	-1.511660	-2.324059	-0.672281
79	0.885684	-1.392209	-0.169857
79	-1.507906	2.325302	-0.673454
79	3.118758	-0.002548	0.301371
79	-1.396532	0.001122	0.830315
79	0.888393	1.392042	-0.168238
6	-2.329492	0.001561	2.555583
8	-2.960665	0.002282	3.535736

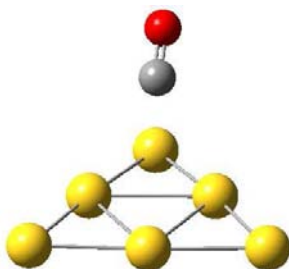


Au_6CO

S3.4

-931.03277 a.u.

79	2.901880	-0.187020	-0.012228
79	0.717760	1.344278	-0.005023
79	-1.867461	-2.563371	0.004002
79	-1.549439	2.747466	0.002153
79	0.550948	-1.441225	-0.004621
79	-1.825817	0.098644	0.006110
6	6.687911	0.179095	0.118834
8	5.571334	-0.122202	0.005740

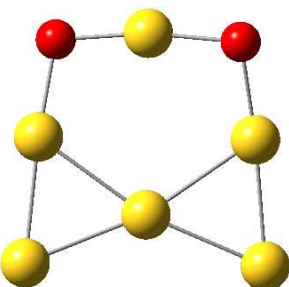


Au_6CO

S3.5

-931.03104 a.u.

79	2.029485	-2.336408	-0.018840
79	-0.508292	-1.537621	-0.110195
79	1.056107	2.898362	-0.071808
79	-2.982512	-0.562277	-0.254809
79	1.638457	0.298569	-0.040796
79	-1.023543	1.236942	-0.115702
6	-0.688019	0.042811	3.011837
8	-1.554790	-0.008085	3.786095

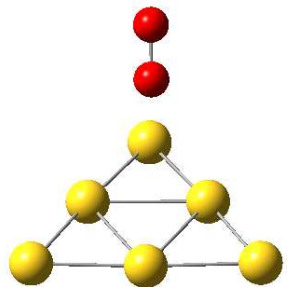


Au_6O_2

Figure 4 (S4.1)

-968.11991 a.u.

79	0.000475	2.842566	0.001437
79	-2.239412	0.678632	-0.034267
79	2.476564	-1.923439	-0.054133
79	-2.477444	-1.922396	0.058233
79	2.239740	0.678215	0.033121
79	-0.000042	-0.898537	-0.004560
8	1.908998	2.690466	0.330471
8	-1.907825	2.691007	-0.328806

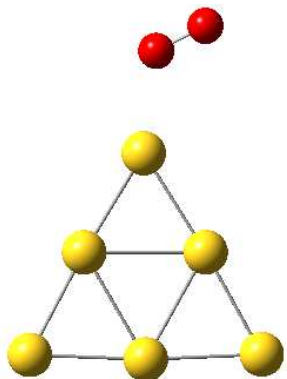


Au_6O_2

S4.2

-968.10798 a.u.

79	-1.726710	-2.658690	0.028709
79	0.622651	-1.395089	-0.033657
79	-1.721962	2.661292	0.027397
79	2.896424	-0.002942	-0.100504
79	-1.833969	0.001529	0.030244
79	0.625721	1.394004	-0.031622
8	5.264620	-0.002765	-0.135873
8	5.971597	0.001741	0.920264

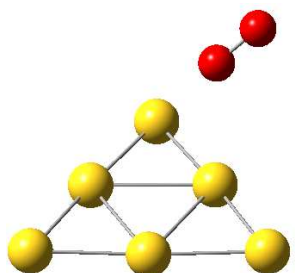


Au_6O_2

S4.3

-968.10791 a.u.

79	1.313880	2.857954	0.007437
79	-0.821955	1.260372	-0.023480
79	2.100218	-2.403853	0.006518
79	-2.864168	-0.459868	-0.027838
79	1.815205	0.242459	0.009905
79	-0.411934	-1.498662	0.004556
8	-5.936337	0.515951	0.263238
8	-5.234706	-0.500162	-0.037071

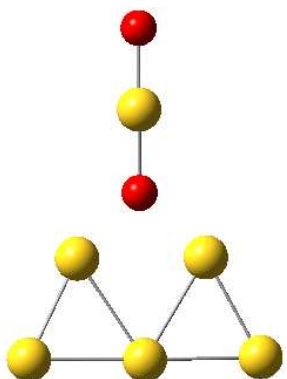


Au_6O_2

S4.4

-968.10713 a.u.

79	-2.759366	-0.932640	-0.068467
79	-1.006112	1.089602	-0.017793
79	2.437937	-2.079603	0.045272
79	0.849188	2.999144	-0.011025
79	-0.186437	-1.581784	-0.023137
79	1.750575	0.489590	0.015707
8	-5.101834	-0.341099	-0.105840
8	-5.620298	0.496047	0.692839

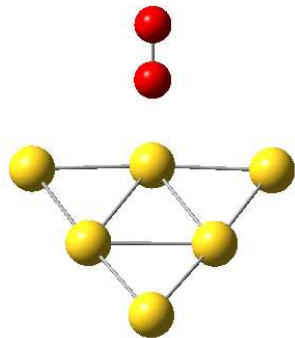


Au_6O_2

S4.5

-968.10447 a.u.

79	-3.880219	-0.003145	-0.056627
79	-0.466723	-1.499858	0.103732
79	1.849748	2.695654	-0.040645
79	1.858036	-2.690817	-0.043942
79	-0.471008	1.496724	0.098092
79	1.891186	0.002060	-0.049387
8	-1.971962	-0.003515	0.159051
8	-5.740605	-0.002589	-0.269864

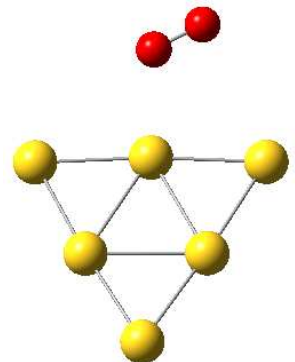


Au_6O_2

S4.6

-968.10428 a.u.

79	3.229384	-0.000262	0.057752
79	0.965287	1.403775	0.005088
79	-1.371842	-2.667986	-0.050600
79	-1.371265	2.668459	-0.050448
79	0.965191	-1.404119	0.005258
79	-1.493888	0.000234	-0.048473
8	-4.894107	-0.001186	0.935766
8	-4.219201	0.000200	-0.131707

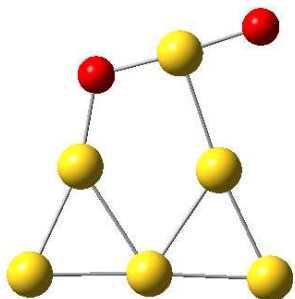


Au_6O_2

S4.7

-968.10397 a.u.

79	1.051105	2.822972	-0.000459
79	1.479642	0.188666	-0.000839
79	-3.210128	-0.361698	0.001052
79	1.673056	-2.472560	-0.001116
79	-1.128464	1.301286	-0.000119
79	-0.796840	-1.489412	0.000093
8	4.224371	0.560104	0.000010
8	4.975450	-0.453985	0.013699

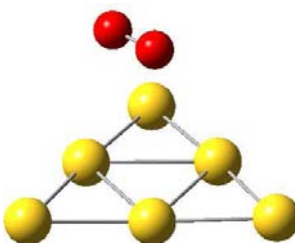


Au_6O_2

S4.8

-968.10392 a.u.

79	2.912968	-1.443512	0.053366
79	1.488688	0.780806	0.012824
79	-2.985838	-1.247782	0.023133
79	0.159737	3.092474	-0.025554
79	0.298961	-1.774608	-0.067540
79	-1.263659	0.856356	-0.000459
8	-1.597610	-2.554924	-0.219356
8	-4.434607	-0.049451	0.261128

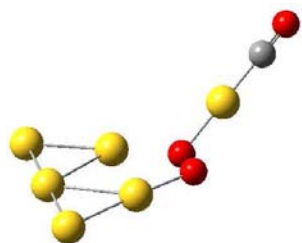


Au_6O_2

S4.9

-968.10353 a.u.

79	-1.742605	-2.518677	-0.164632
79	-1.611419	0.141641	-0.130651
79	3.074138	-0.248482	-0.073686
79	-1.298032	2.786631	-0.112433
79	0.705651	-1.469687	-0.113402
79	0.942917	1.345996	-0.102462
8	-0.941073	0.023183	3.417586
8	0.243414	-0.392740	3.467922

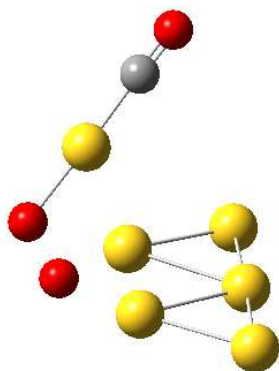


Au₆
O₂,CO

+ S5.1

-1081.67241 a.u.

79	-2.987200	-1.903610	0.207914
79	-1.950140	0.535219	0.165966
79	3.994779	-0.557245	0.058983
79	-0.929866	3.001730	0.094136
79	-0.389074	-1.775508	-0.227015
79	0.751256	1.044514	-0.355667
6	5.714717	-0.606115	0.826612
8	6.777327	-0.613909	1.296578
8	1.652499	-1.885638	-0.562405
8	2.197793	-0.453746	-0.804270

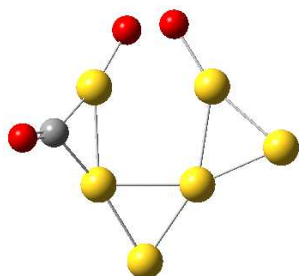


Au₆
O₂,CO

+ S5.2

-1081.66067 a.u.

79	3.117710	-0.726185	0.581161
79	1.146347	1.095065	0.399192
79	-2.393533	-1.839543	0.557035
79	-0.864868	2.876151	0.169085
79	1.010783	-1.407334	-0.826779
79	-1.182105	0.593933	-1.076582
6	-2.954144	-1.338754	2.295321
8	-3.283857	-1.013857	3.361861
8	-1.850312	-2.419545	-1.267438
8	-0.889258	-1.409383	-1.871648

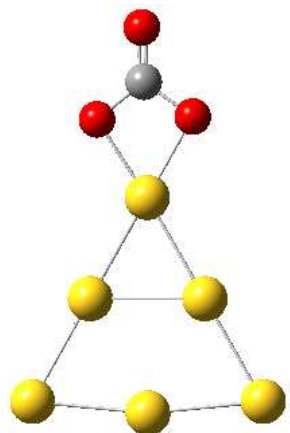


Au₆
O₂,CO

+ S5.3

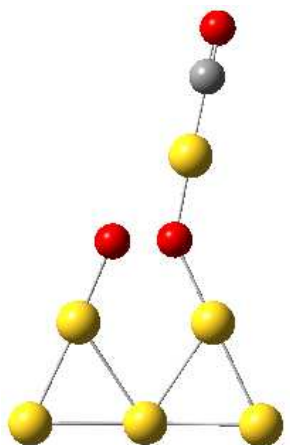
-1081.64708 a.u.

79	3.095419	-0.974605	0.317664
79	1.871117	1.308149	-0.174770
79	-1.707689	-2.639553	-0.322738
79	-1.239723	2.490964	-0.116541
79	0.484422	-1.120220	-0.006744
79	-2.108443	-0.106442	0.190076
6	-2.692251	1.782166	1.015805
8	-3.522726	2.026849	1.825748
8	1.490728	3.317126	-0.490254
8	0.149544	3.606264	-0.980943



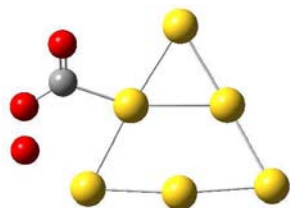
Au₆
O₂,C,O + **S5.4**
-1081.69919 a.u.

79	2.771584	-0.034949	-0.007375
79	0.471754	-1.326466	-0.003902
79	-1.798779	2.664229	0.003421
79	-1.864493	-2.629729	0.004250
79	0.505628	1.307330	-0.007184
79	-2.088169	0.020808	0.002731
8	6.608586	0.019556	0.036729
8	4.547002	1.078306	0.039776
6	5.381738	-0.003518	0.022589
8	4.582544	-1.107312	-0.013863



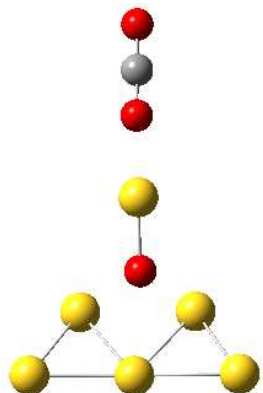
Au₆
O₂,C,O + **S5.5**
-1081.67283 a.u.

79	2.802877	-2.157384	-0.198606
79	0.240944	-1.759066	0.272293
79	1.324865	2.958010	-0.000056
79	-4.182000	-0.368751	-0.099716
79	2.034688	0.381109	-0.083453
79	-0.628372	1.221128	0.094552
8	-2.219734	-0.175789	0.126063
8	-1.777595	-1.537535	0.682686
6	-6.046077	-0.522886	-0.309958
8	-7.199012	-0.610592	-0.428299



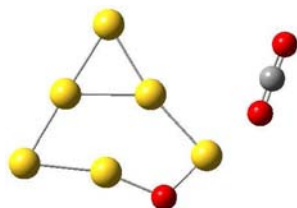
Au₆
O₂,C,O + **S5.6**
-1081.64264 a.u.

79	-0.501262	3.003271	-0.086367
79	1.361015	1.142191	-0.087156
79	-1.917825	-2.172808	-0.108966
79	3.176450	-0.802704	0.053119
79	-1.314450	0.445515	0.058085
79	0.654455	-1.639649	0.088033
8	-4.275436	-0.336941	0.119031
8	-3.945228	-1.555206	-0.623736
6	-3.372348	0.614619	0.440149
8	-3.651615	1.669995	0.996707



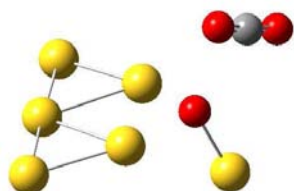
Au₆
CO,O,O + **S5.7**
-1081.73764 a.u.

79	1.847725	2.691475	0.327898
79	1.894156	0.002473	0.354890
79	-3.188326	-0.003938	-0.035800
79	1.856219	-2.686748	0.328968
79	-0.276349	1.474569	-0.628774
79	-0.271358	-1.476913	-0.628141
6	-6.081175	-0.002171	1.478808
8	-7.239025	-0.000432	1.711573
8	-1.680596	-0.003769	-1.323095
8	-4.907413	-0.003240	1.276872



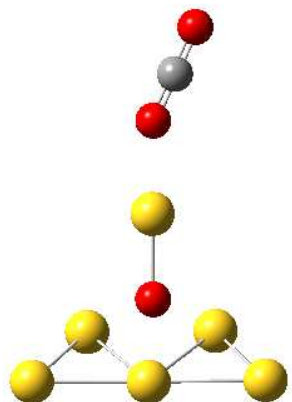
Au₆
CO,O,O + **S5.8**
-1081.73294 a.u.

79	-3.233612	-1.027238	0.064757
79	-1.574030	1.006711	0.008591
79	2.633382	-1.691763	-0.027802
79	0.162350	3.033330	-0.036618
79	-0.670915	-1.717274	-0.029508
79	1.149568	0.561524	-0.028260
8	1.058082	-2.808151	-0.122304
6	5.112349	0.437690	0.220656
8	5.691846	1.458492	0.344324
8	4.556733	-0.610845	0.094774



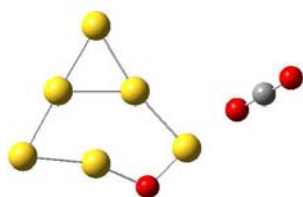
Au₆
CO,O,O + **S5.9**
-1081.71867 a.u.

79	-2.184391	-2.383533	-0.046914
79	0.283025	-1.577190	0.334160
79	-1.281117	2.916959	-0.144298
79	3.035270	-0.544038	-1.155705
79	-1.774849	0.272440	-0.100098
79	0.783767	1.347370	0.236471
6	3.321969	0.014780	2.907729
8	2.553539	-0.707040	3.460328
8	2.071743	-0.365995	0.595641
8	4.123906	0.745877	2.417526



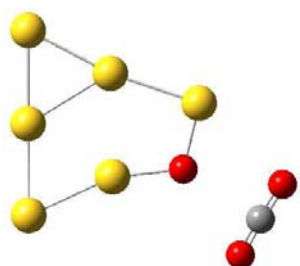
Au₆ + **S5.10**
C,O,O,O -**1081.73752 a.u.**

79	2.047024	-2.537199	0.412914
79	-0.140997	-1.534838	-0.646219
79	1.582762	2.820468	0.302833
79	-3.156872	-0.293088	-0.103221
79	1.855391	0.143759	0.379726
79	-0.395957	1.408619	-0.693615
6	-5.832103	0.054315	1.751371
8	-4.850324	-0.375760	1.233526
8	-6.807070	0.456644	2.283065
8	-1.658117	-0.197871	-1.397746



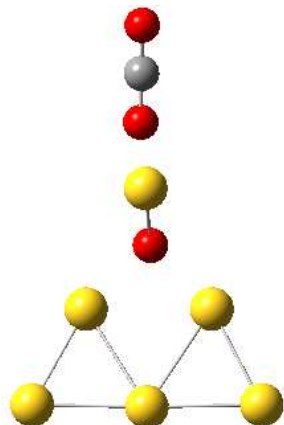
Au₆ + **S5.11**
C,O,O,O -**1081.73269 a.u.**

79	-3.125887	-1.303729	0.178484
79	-1.683181	0.886569	0.056565
79	2.751482	-1.420235	-0.135744
79	-0.150381	3.068987	-0.077087
79	-0.515461	-1.734188	-0.068086
79	1.064290	0.698929	-0.112236
6	5.488699	0.267251	0.680018
8	6.379333	0.749167	1.287661
8	4.600896	-0.209870	0.044375
8	1.287232	-2.678511	-0.280779



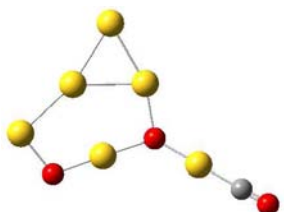
Au₆ + **S5.12**
C,O,O,O -**1081.71910 a.u.**

79	0.939286	3.033462	0.046009
79	-0.979707	1.214501	-0.089291
79	2.655783	-1.973558	-0.001188
79	-2.655821	-1.576523	0.017470
79	1.803180	0.553635	0.019803
79	0.030951	-1.566680	-0.000434
8	-5.667191	-0.146153	0.301372
6	-5.387672	0.997886	0.116018
8	-5.172861	2.154018	-0.058326
8	-2.831706	0.355956	-0.254701



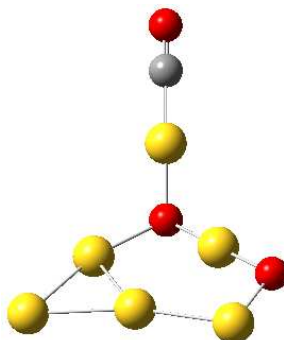
Au₆CO + S5.13
O₂ -1081.73762 a.u.

79	1.901785	0.007734	0.350940
79	-0.267300	-1.476219	-0.618096
79	1.845914	2.696314	0.319788
79	1.869472	-2.681597	0.324726
79	-0.281209	1.471992	-0.620676
79	-3.199132	-0.019771	-0.030506
8	-7.267793	0.046461	1.658772
6	-6.106356	0.009793	1.448070
8	-4.929540	-0.029071	1.268047
8	-1.684512	-0.009462	-1.308858



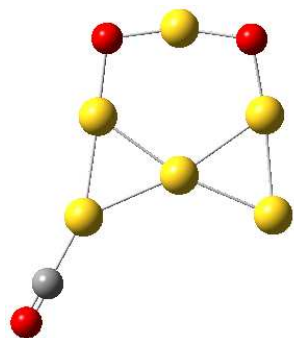
Au₆CO + S5.14
O₂ -1081.70010 a.u.

79	-1.788156	0.232721	0.058440
79	0.436226	-1.647023	-0.176904
79	-1.571823	2.924782	0.049828
79	-2.698812	-2.295400	0.111303
79	0.618302	1.500967	-0.129911
79	3.790921	-0.305654	0.052306
8	6.796541	-0.458719	0.491644
6	5.645847	-0.401981	0.322451
8	1.870808	-0.180421	-0.249184
8	-0.919996	-3.111997	-0.139285



Au₆CO + S5.15
O₂ -1081.69985 a.u.

79	-1.727597	0.264953	0.141300
79	0.413781	-1.652134	-0.366832
79	-1.440514	2.948917	0.161892
79	-2.696747	-2.243784	0.213866
79	0.661575	1.476372	-0.368906
79	3.638097	-0.364785	0.104139
8	6.425943	-0.559558	1.310823
6	5.362557	-0.486860	0.843572
8	-0.940613	-3.088890	-0.097699
8	1.862868	-0.228097	-0.714709

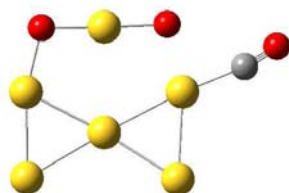


Au₆O₂
CO

+ S5.16

-1081.65890 a.u.

79	0.370437	0.682108	0.057956
79	1.223698	-1.795030	-0.028817
79	-1.033556	2.954021	-0.040018
79	3.037820	0.134547	0.020519
79	-2.361522	0.691647	0.006938
79	-1.853636	-2.446513	-0.037148
8	-0.150960	-3.324895	0.085930
8	-3.228518	-1.126384	0.232662
6	4.816001	1.005969	-0.044284
8	5.857973	1.516601	-0.082256

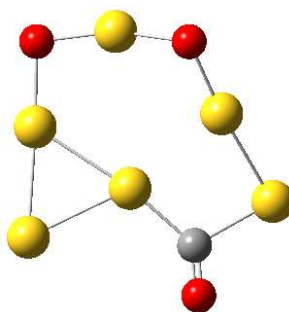


Au₆O₂
CO

+ S5.17

-1081.63707 a.u.

79	-0.226677	-0.585128	-0.025632
79	-2.339824	1.056506	0.053238
79	1.716753	-2.385369	0.090654
79	-2.789934	-1.515475	-0.077539
79	2.333605	0.195684	-0.044771
79	0.356480	2.560203	0.007483
8	-1.528610	2.879817	0.349054
8	2.249645	2.292947	-0.350669
6	4.331575	0.603086	-0.002515
8	5.407564	1.026521	-0.030396

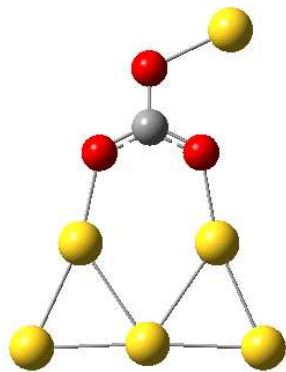


Au₆O₂
CO

+ S5.18

-1081.62358 a.u.

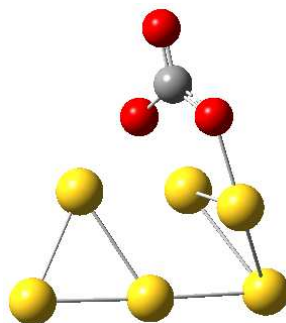
79	-0.078449	-0.905643	0.143344
79	-2.395582	0.405401	-0.253525
79	3.308548	-1.130966	-0.367959
79	-2.439844	-2.182674	0.131427
79	2.026535	0.997473	0.311030
79	-0.577114	2.799621	-0.052216
8	-2.450567	2.425807	-0.415425
8	1.191431	2.742030	0.746848
6	1.510488	-2.191120	0.185174
8	1.665847	-3.358725	0.397691



Au₆ + CO₃ Figure 5 (S5.19)

-1081.75271 a.u.

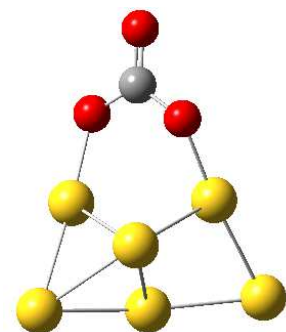
79	5.279814	-0.323237	-0.001253
79	-0.465793	-1.796631	0.002270
79	-1.250998	2.984251	0.000755
79	-3.090636	-1.982858	-0.001682
79	0.620641	1.131774	-0.000060
79	-2.082982	0.468514	-0.000831
6	2.560729	-1.251268	0.002160
8	3.812268	-1.743307	0.001144
8	1.615123	-2.126944	0.004893
8	2.427854	0.050796	0.000255



Au₆ + CO₃ S5.20

-1081.74124 a.u.

79	1.447517	0.517540	1.363088
79	1.187169	0.711749	-1.349521
79	-3.086389	-0.860374	0.171628
79	2.238253	-1.583170	-0.188536
79	-1.567773	1.242438	-0.266308
79	-0.436942	-1.252816	0.098278
6	0.596143	3.277567	0.491862
8	0.103476	2.553830	-0.650612
8	0.517812	4.509849	0.458711
8	1.085991	2.571388	1.515293



Au₆ + CO₃ S5.21

-1081.73602 a.u.

79	-1.420342	0.923906	-1.000788
79	1.456720	1.185447	0.261780
79	-2.380472	-1.402835	-0.038213
79	2.923888	-0.972691	-0.215896
79	-0.813118	0.241570	1.598066
79	0.315877	-1.335658	-0.433267
6	-0.226257	3.617403	-0.469804
8	0.509042	2.981119	0.515366
8	-0.232376	4.860186	-0.492754
8	-0.922178	2.878222	-1.365615

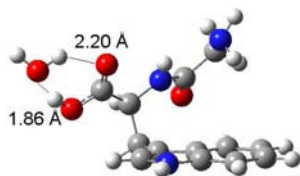
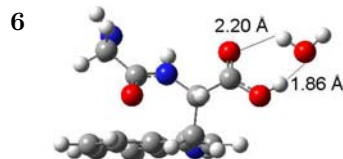
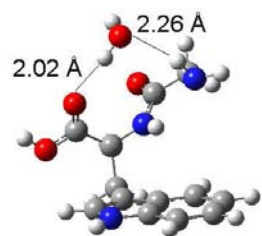
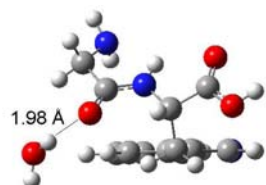
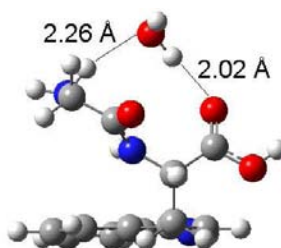


Figure (S6A.1)
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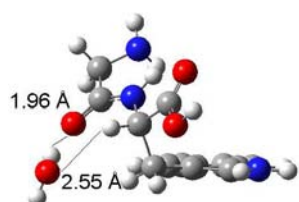
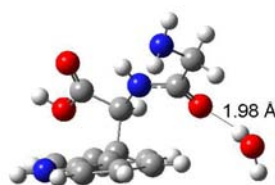




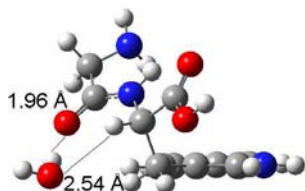
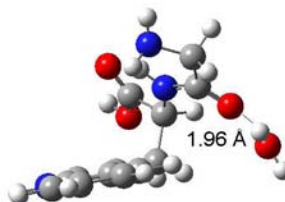
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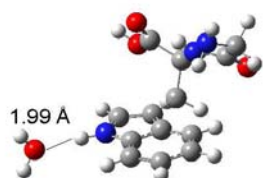
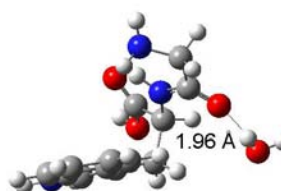
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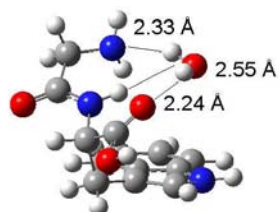
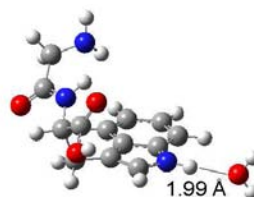
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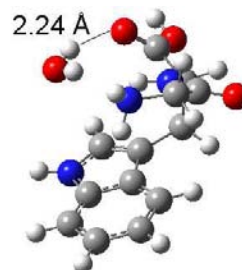
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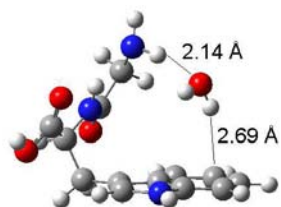


S6A.6
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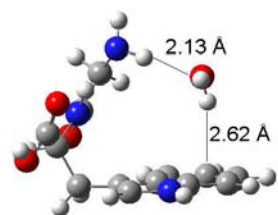
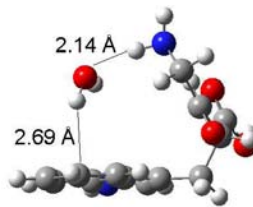


S6A.7
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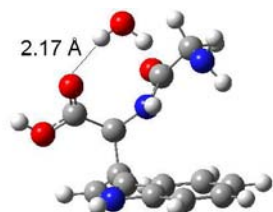
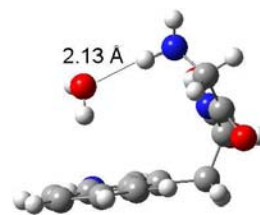




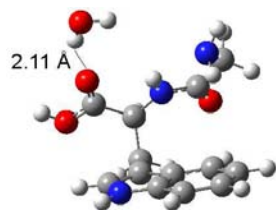
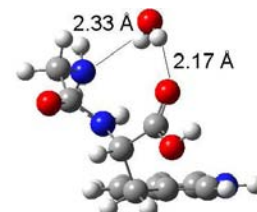
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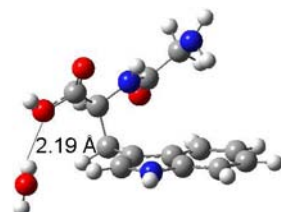
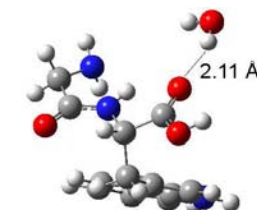
S6A.9
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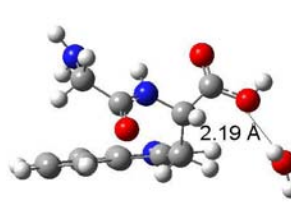
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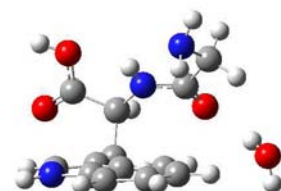
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S6A.12
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a.u.

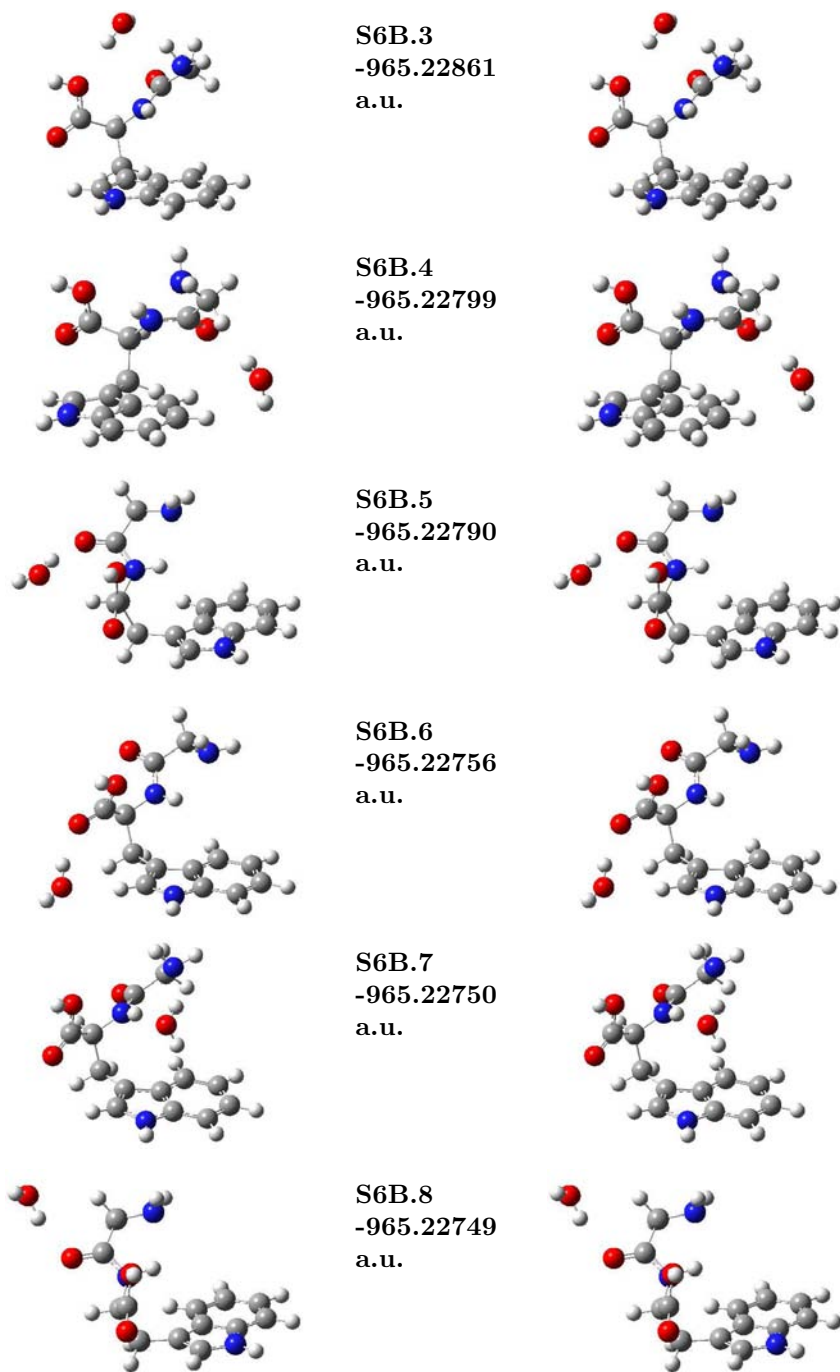


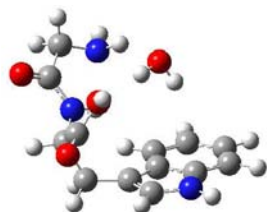
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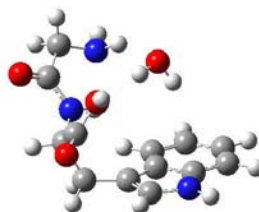
S6B.2
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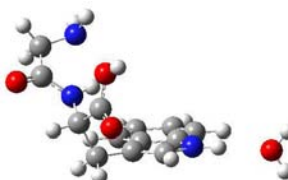
S6B.9
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a.u.



S6B.10
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a.u.



S6B.11
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a.u.



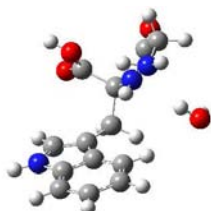
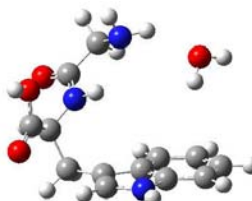
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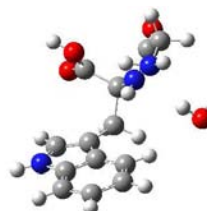
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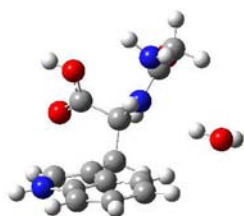


S6B.14
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S6B.15
-965.22262
a.u.

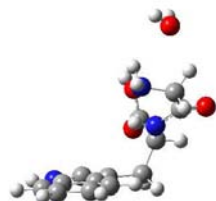




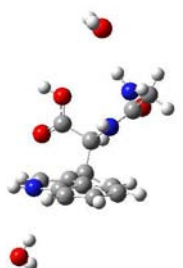
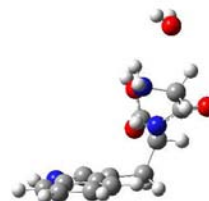
S6B.16
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S6B.17
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a.u.



S6B.18
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a.u.



S6B.19
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a.u.

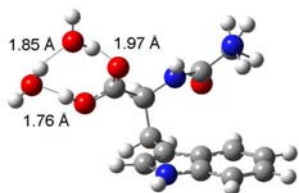
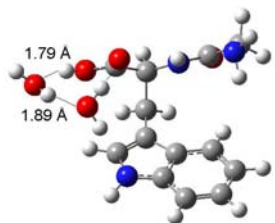
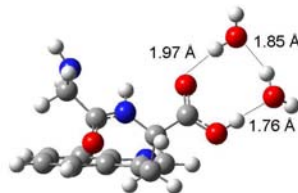
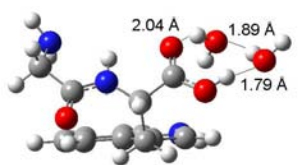
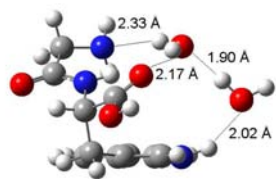


Figure 7
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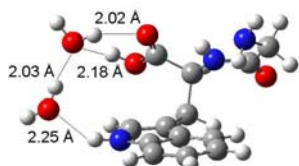
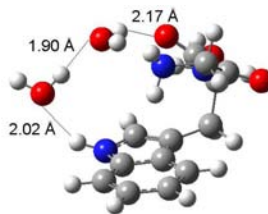


S7A.2
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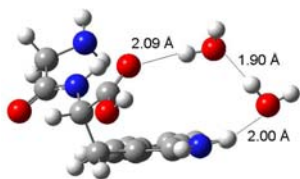
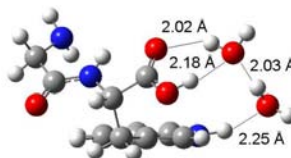




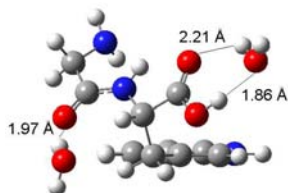
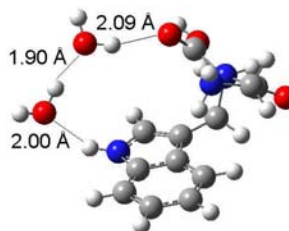
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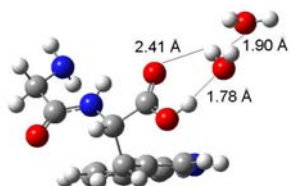
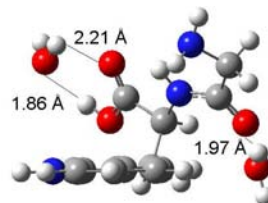
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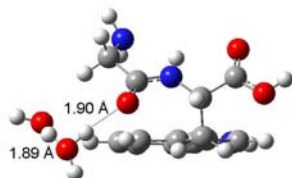
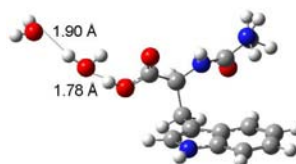
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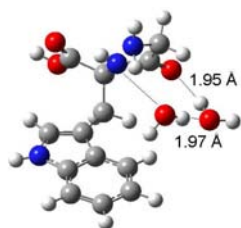
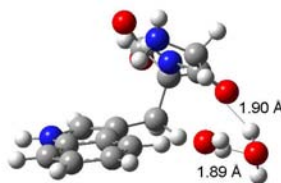
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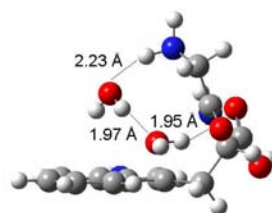
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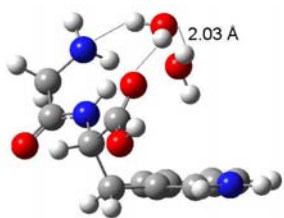


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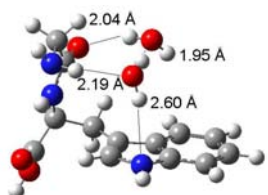


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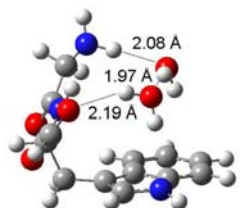
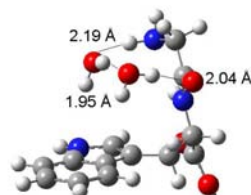




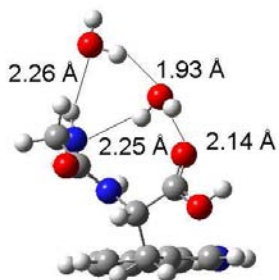
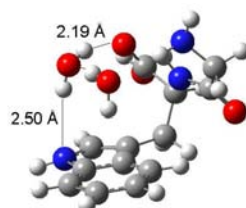
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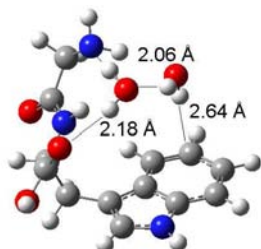
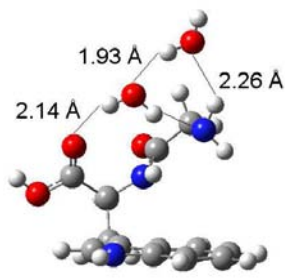
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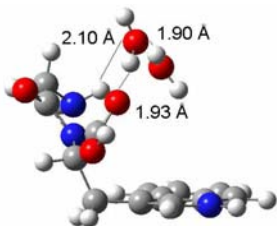
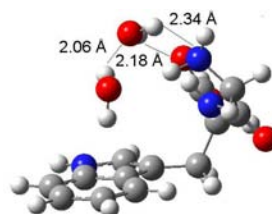
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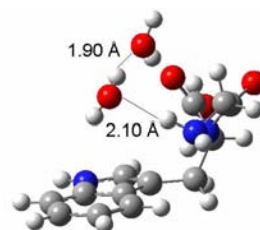
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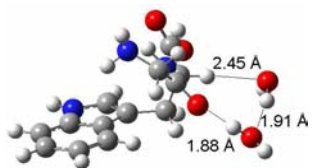


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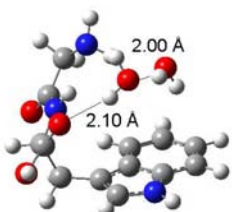
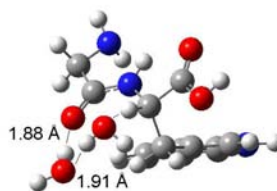


S7A.15
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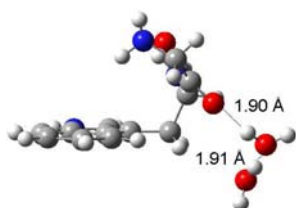
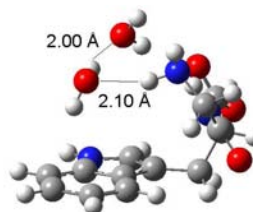




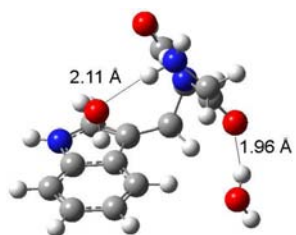
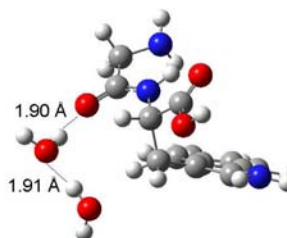
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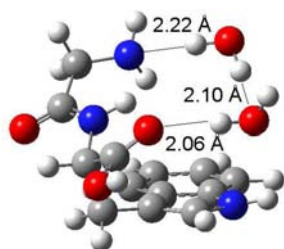
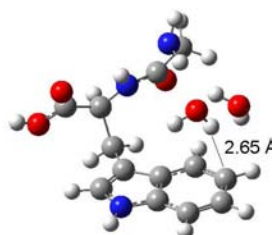
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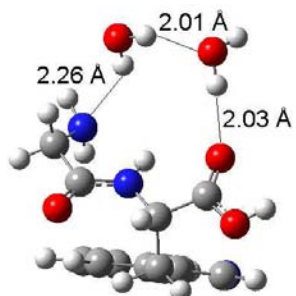
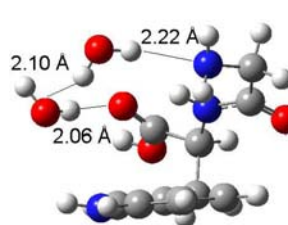
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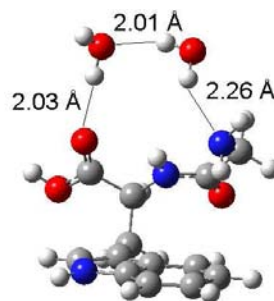
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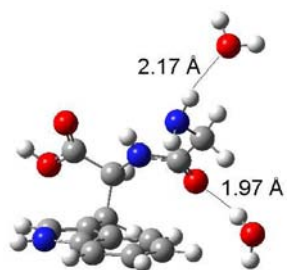


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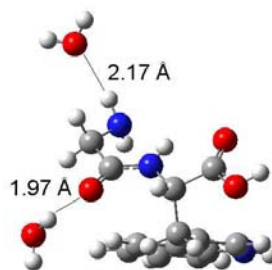


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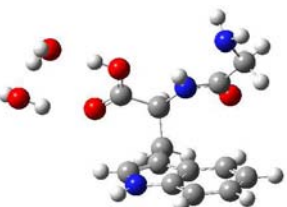




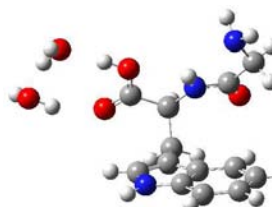
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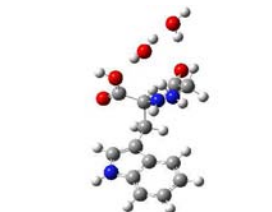
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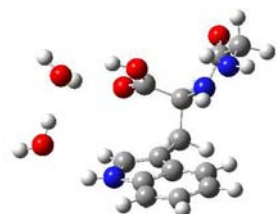
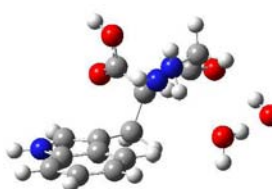
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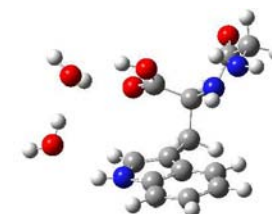
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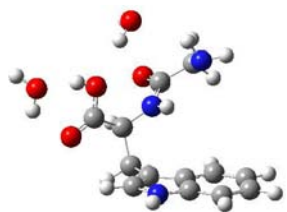


S7B.4
-1041.27982
a.u.



S7B.5
-1041.27973
a.u.

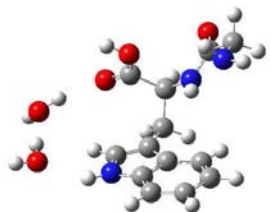




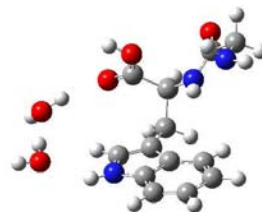
S7B.6
-1041.27897
a.u.



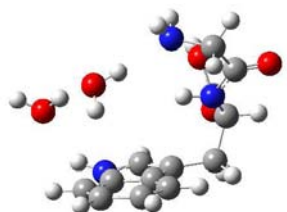
S7B.7
-1041.27874
a.u.



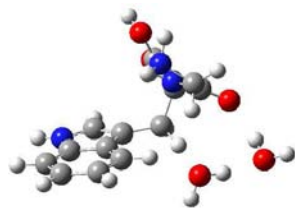
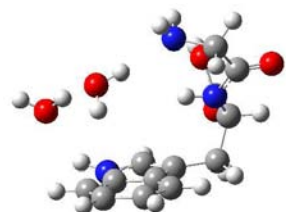
S7B.8
-1041.27868
a.u.



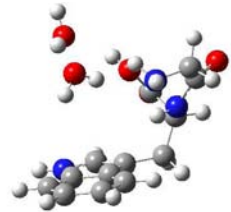
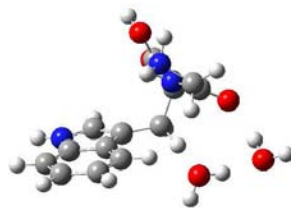
S7B.9
-1041.27851
a.u.



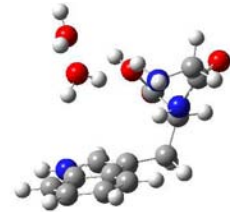
S7B.10
-1041.27789
a.u.

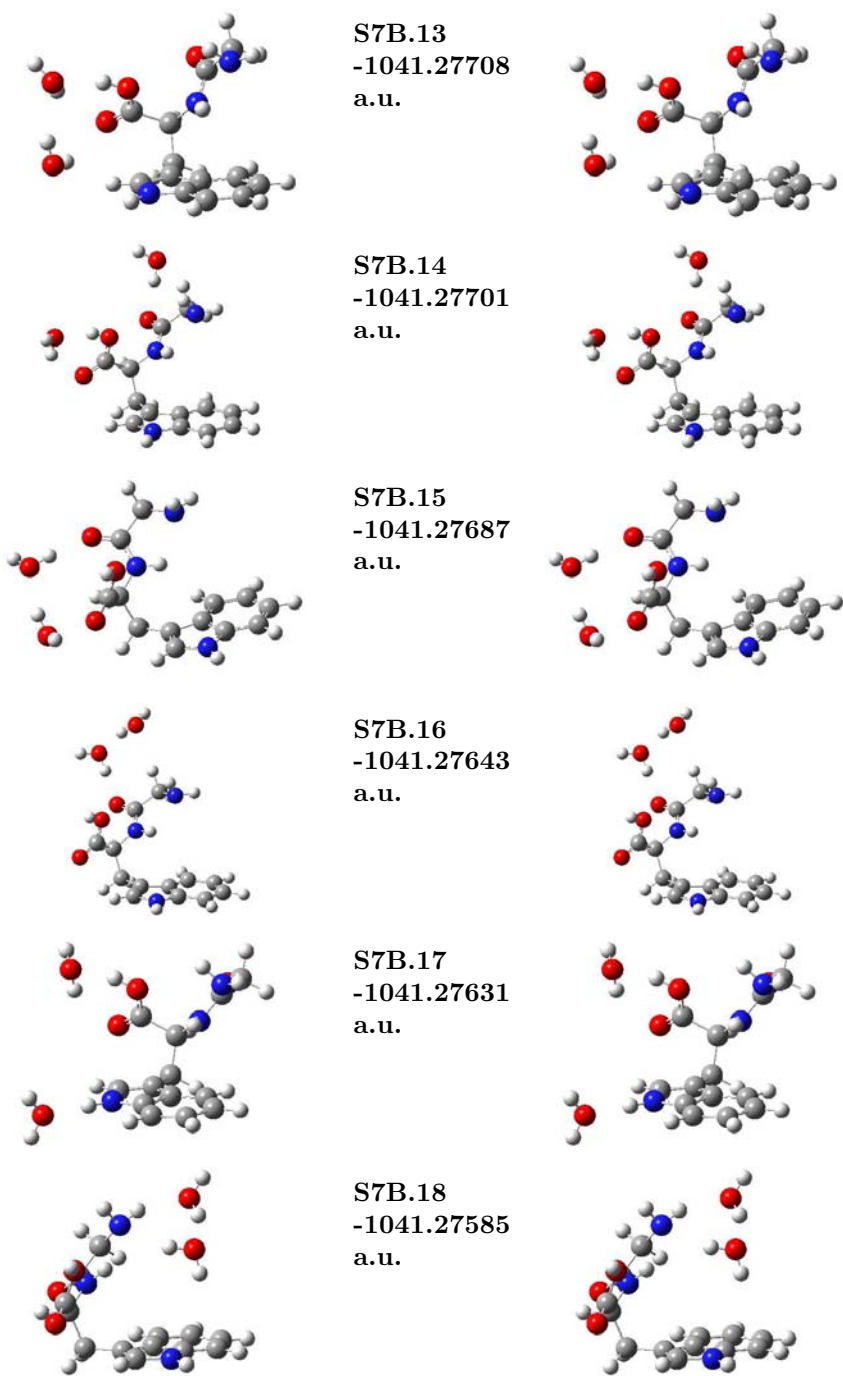


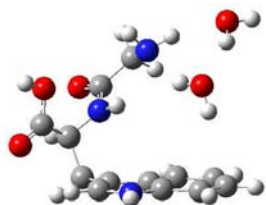
S7B.11
-1041.27759
a.u.



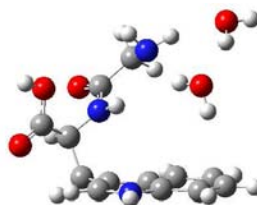
S7B.12
-1041.27712
a.u.



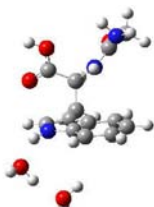
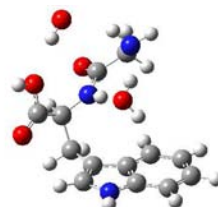




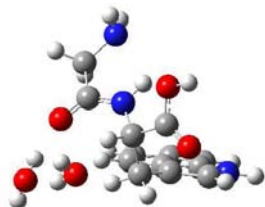
S7B.19
-1041.27516
a.u.



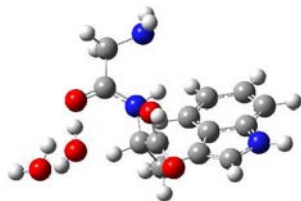
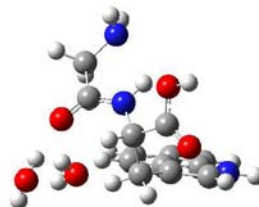
S7B.20
-1041.27491
a.u.



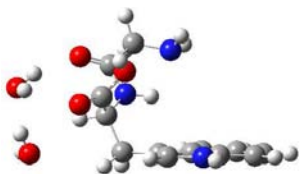
S7B.21
-1041.27476
a.u.



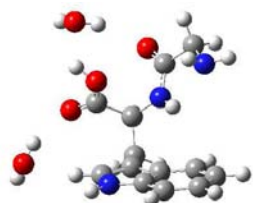
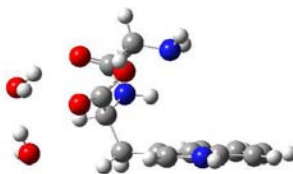
S7B.22
-1041.27469
a.u.



S7B.23
-1041.27432
a.u.

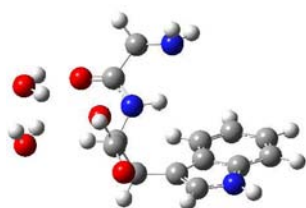


S7B.24
-1041.27431
a.u.

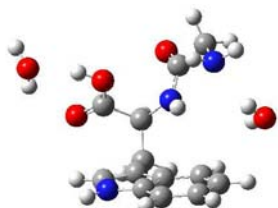


S7B.25
-1041.27406
a.u.

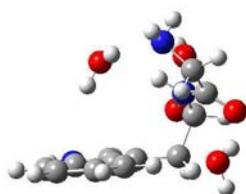
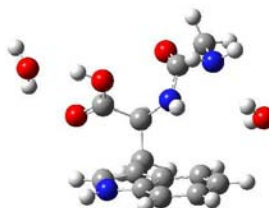




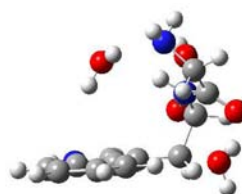
S7B.26
-1041.27349
a.u.



S7B.27
-1041.27330
a.u.



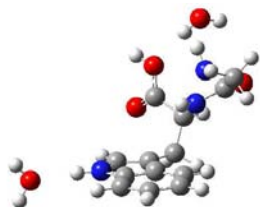
S7B.28
-1041.27322
a.u.



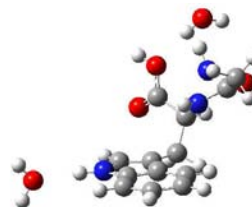
S7B.29
-1041.27306
a.u.

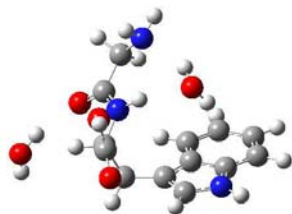


S7B.30
-1041.27240
a.u.

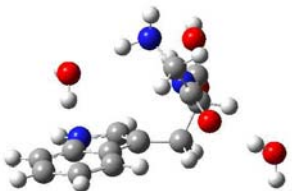
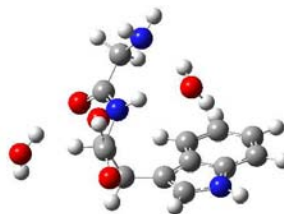


S7B.31
-1041.27220
a.u.

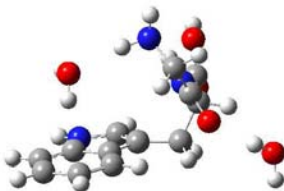




S7B.32
-1041.27207
a.u.



S7B.33
-1041.27190
a.u.



S7B.34
-1041.27181
a.u.



S7B.35
-1041.27180
a.u.



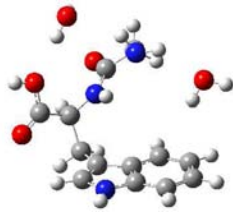
S7B.36
-1041.27166
a.u.



S7B.37
-1041.27025
a.u.

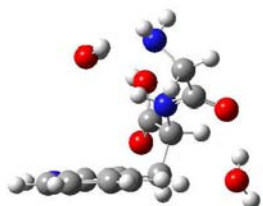


S7B.38
-1041.27019
a.u.

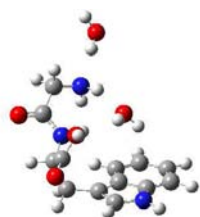
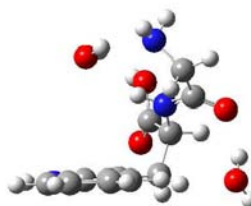




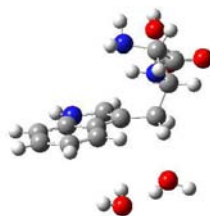
S7B.39
-1041.26985
a.u.



S7B.40
-1041.26892
a.u.



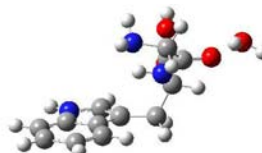
S7B.41
-1041.26693
a.u.



S7B.42
-1041.26689
a.u.



S7B.43
-1041.26563
a.u.



S7B.44
-1041.26541
a.u.





S7B.45
-1041.26470
a.u.



S7B.46
-1041.26467
a.u.



2007-08-02 14:29:48

In this Kick run, there were 101 jobs run.
Of which 46 (45.54%) terminated normally.
13 (12.87%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-965.21156	0.662	Kick0035.log
-965.22540	0.286	Kick0018.log
-965.22542	0.285	Kick0068.log
-965.22811	0.212	Kick0014.log
-965.22824	0.208	Kick0054.log
-965.22860	0.199	Kick0051.log
-965.22868	0.196	Kick0022.log
-965.22877	0.194	Kick0100.log
-965.23039	0.150	Kick0044.log
-965.23048	0.147	Kick0042.log
-965.23108	0.131	Kick0039.log
-965.23218	0.101	Kick0023.log
-965.23590	0.000	Kick0053.log

2008-02-16 20:36:43

In this Kick run, there were 98 jobs run.
Of which 62 (63.27%) terminated normally.
26 (26.53%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-965.16943	1.727	Kick0052.log
-965.21938	0.368	Kick0005.log
-965.22031	0.343	Kick0059.log
-965.22060	0.335	Kick0087.log
-965.22177	0.303	Kick0065.log
-965.22262	0.280	Kick0026.log
-965.22515	0.211	Kick0018.log
-965.22610	0.185	Kick0085.log
-965.22614	0.184	Kick0068.log
-965.22617	0.183	Kick0014.log
-965.22686	0.165	Kick0098.log
-965.22724	0.154	Kick0023.log
-965.22743	0.149	Kick0031.log
-965.22749	0.147	Kick0035.log
-965.22750	0.147	Kick0001.log
-965.22756	0.146	Kick0090.log
-965.22790	0.136	Kick0036.log
-965.22799	0.134	Kick0060.log
-965.22858	0.118	Kick0099.log
-965.22860	0.117	Kick0020.log
-965.22861	0.117	Kick0088.log
-965.22938	0.096	Kick0067.log
-965.23196	0.026	Kick0079.log
-965.23205	0.023	Kick0015.log
-965.23212	0.021	Kick0025.log
-965.23291	0.000	Kick0050.log

2007-11-12 21:51:05

In this Kick run, there were 210 jobs run.
Of which 32 (15.24%) terminated normally.
26 (12.38%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-1041.12048	4.563	Kick0052.log
-1041.13253	4.235	Kick0191.log
-1041.23659	1.404	Kick0061.log
-1041.26464	0.640	Kick0067.log
-1041.27029	0.487	Kick0132.log
-1041.27327	0.405	Kick0194.log
-1041.27387	0.389	Kick0020.log
-1041.27467	0.367	Kick0049.log
-1041.27706	0.302	Kick0036.log
-1041.27800	0.277	Kick0082.log
-1041.27822	0.271	Kick0007.log
-1041.27826	0.270	Kick0198.log
-1041.27840	0.266	Kick0019.log
-1041.27858	0.261	Kick0197.log
-1041.27883	0.254	Kick0034.log
-1041.27940	0.239	Kick0053.log
-1041.27968	0.231	Kick0066.log
-1041.28032	0.214	Kick0173.log
-1041.28037	0.212	Kick0121.log
-1041.28081	0.200	Kick0113.log
-1041.28112	0.192	Kick0175.log
-1041.28113	0.192	Kick0136.log
-1041.28247	0.155	Kick0140.log
-1041.28412	0.110	Kick0114.log
-1041.28715	0.028	Kick0139.log
-1041.28817	0.000	Kick0035.log

2008-02-16 20:31:18

In this Kick run, there were 380 jobs run.
Of which 72 (18.95%) terminated normally.
54 (14.21%) of these jobs gave unique energies (5 dp).

The Unique Energies were:

-1041.14352	3.881	Kick0059.log
-1041.20159	2.300	Kick0324.log
-1041.22499	1.664	Kick0176.log
-1041.26025	0.704	Kick0144.log
-1041.26467	0.584	Kick0140.log
-1041.26470	0.583	Kick0082.log
-1041.26541	0.564	Kick0090.log
-1041.26563	0.558	Kick0068.log
-1041.26688	0.524	Kick0111.log
-1041.26689	0.524	Kick0331.log
-1041.26693	0.522	Kick0143.log
-1041.26892	0.468	Kick0254.log
-1041.26985	0.443	Kick0315.log
-1041.27019	0.434	Kick0167.log
-1041.27025	0.432	Kick0389.log
-1041.27166	0.394	Kick0061.log
-1041.27180	0.390	Kick0350.log
-1041.27181	0.390	Kick0330.log
-1041.27190	0.387	Kick0099.log
-1041.27207	0.383	Kick0352.log
-1041.27220	0.379	Kick0304.log
-1041.27240	0.374	Kick0110.log
-1041.27306	0.356	Kick0388.log
-1041.27317	0.353	Kick0369.log
-1041.27322	0.351	Kick0012.log
-1041.27330	0.349	Kick0271.log
-1041.27349	0.344	Kick0312.log
-1041.27406	0.328	Kick0295.log
-1041.27431	0.322	Kick0006.log
-1041.27432	0.321	Kick0231.log
-1041.27469	0.311	Kick0252.log
-1041.27476	0.309	Kick0126.log
-1041.27491	0.305	Kick0392.log
-1041.27516	0.299	Kick0190.log
-1041.27585	0.280	Kick0371.log
-1041.27631	0.267	Kick0156.log
-1041.27643	0.264	Kick0060.log
-1041.27687	0.252	Kick0137.log
-1041.27701	0.248	Kick0261.log
-1041.27708	0.246	Kick0276.log
-1041.27712	0.245	Kick0145.log
-1041.27759	0.232	Kick0172.log
-1041.27789	0.224	Kick0159.log
-1041.27851	0.207	Kick0184.log
-1041.27868	0.203	Kick0058.log
-1041.27874	0.201	Kick0205.log

-1041.27897	0.195	Kick0130.log
-1041.27973	0.174	Kick0095.log
-1041.27982	0.172	Kick0100.log
-1041.28055	0.152	Kick0018.log
-1041.28481	0.036	Kick0064.log
-1041.28530	0.023	Kick0114.log
-1041.28536	0.021	Kick0121.log
-1041.28613	0.000	Kick0380.log

-965.21156 Kick0035.log

1	2.598970	-0.103863	1.333126
1	-4.682478	-1.133201	-1.112280
1	-5.081172	1.251561	-0.674934
1	-3.412281	2.613183	0.507500
1	-1.290882	1.630151	1.249570
1	-2.767160	-3.142151	-0.628023
1	-0.502631	-3.360994	0.389216
1	0.412911	-0.107015	2.240800
1	0.983024	-1.731269	2.027808
6	-3.941725	-0.534881	-0.611698
6	-4.157459	0.797897	-0.362842
6	-3.199372	1.578498	0.305826
6	-2.008126	1.031360	0.717676
6	-1.754623	-0.321771	0.462642
6	-2.733273	-1.084975	-0.183145
7	-2.266560	-2.367679	-0.269905
6	-1.027464	-2.429354	0.322388
6	-0.650920	-1.208955	0.768900
6	0.624638	-0.862033	1.493095
1	1.117334	0.856713	-0.985661
8	2.519888	-2.521143	0.244742
8	3.617999	-0.911081	-0.808168
6	2.374747	-1.309569	-0.374885
6	1.794642	-0.320694	0.646654
1	3.095927	-3.051709	-0.279591
1	0.547341	3.579649	-2.311642
1	2.097902	3.755853	-0.666032
1	0.624757	3.997629	0.229209
1	-0.515027	2.751414	-1.427967
8	1.860897	2.311131	1.648803
7	1.483145	0.903081	-0.063895
6	1.531606	2.115740	0.512846
6	1.160483	3.285262	-0.390547
7	0.459086	2.888904	-1.598668
1	3.525121	-0.239444	-1.459829
1	0.722561	-1.696692	-1.287654
8	1.590862	-1.411292	-1.517603

-965.22540 Kick0018.log

1	-1.933984	2.002220	-0.983573
1	2.698747	-3.760383	1.189505
1	4.615004	-2.463354	0.359712
1	4.274671	-0.432922	-0.982449
1	2.014641	0.364158	-1.499706
1	-0.119354	-3.764138	1.129387
1	-1.969486	-2.388113	0.202200
1	-0.547461	0.398595	-2.084678
1	-2.057362	-0.324163	-1.635782
6	2.547557	-2.862694	0.616036
6	3.613601	-2.132930	0.148364
6	3.418821	-0.968952	-0.612252
6	2.152001	-0.517776	-0.899923

6	1.048362	-1.233608	-0.422734
6	1.266499	-2.402524	0.315456
7	0.041931	-2.929689	0.623311
6	-0.935977	-2.126888	0.095929
6	-0.384829	-1.069682	-0.542269
6	-1.119048	0.043083	-1.237783
1	-0.021385	1.770572	1.148744
8	-3.522069	0.489067	0.369700
8	-2.097638	1.080485	1.936076
6	-2.343528	0.950633	0.789849
6	-1.416898	1.281985	-0.359607
1	-4.057831	0.298870	1.125071
1	2.567786	3.218436	2.054011
1	1.475542	4.328650	0.392916
1	2.566455	3.315967	-0.511932
1	2.545439	1.788487	1.307341
8	0.364739	2.941777	-1.703312
7	-0.238575	1.898569	0.188003
6	0.555876	2.692929	-0.544014
6	1.741467	3.296165	0.193914
7	2.032769	2.633357	1.450292
1	-4.183948	-1.276294	-0.746615
1	-4.532437	-2.581052	-1.452279
8	-4.376448	-2.187534	-0.613576

-965.22542 Kick0068.log

1	-2.366379	0.207336	-1.984969
1	4.199729	-1.494526	1.643282
1	4.920905	0.830252	1.303624
1	3.669772	2.333434	-0.184570
1	1.655207	1.557417	-1.346092
1	2.187619	-3.291485	0.828079
1	0.182310	-3.307035	-0.637319
1	-0.063104	0.055518	-2.585307
1	-0.771166	-1.529520	-2.577871
6	3.642394	-0.834354	1.002322
6	4.039133	0.466046	0.807303
6	3.320202	1.327001	-0.038199
6	2.188817	0.894695	-0.688518
6	1.754531	-0.422123	-0.496308
6	2.496165	-1.266986	0.336387
7	1.887760	-2.492430	0.328018
6	0.787183	-2.435407	-0.487800
6	0.646766	-1.198167	-1.012266
6	-0.440739	-0.722471	-1.935536
1	-1.360978	0.789865	0.647981
8	-2.840684	-2.189157	-1.171232
8	-2.578855	-1.162025	0.754435
6	-2.406247	-1.194808	-0.417704
6	-1.681027	-0.136473	-1.219143
1	-3.297806	-2.814415	-0.630505
1	-0.688186	3.293155	2.347177
1	-1.783410	3.809649	0.417475
1	-0.112739	3.897972	-0.068357

1	0.400644	2.339639	1.641069
8	-1.153663	2.516162	-1.923240
7	-1.380367	0.953137	-0.330368
6	-1.143876	2.199363	-0.765940
6	-0.872869	3.228380	0.321852
7	-0.552637	2.636765	1.609041
1	-2.388794	0.071206	3.642306
1	-2.886513	-1.103592	2.843651
8	-2.822173	-0.759396	3.716888

-965.22811 Kick0014.log

1	2.172938	1.091244	-1.733432
1	-4.662926	-0.165350	1.585084
1	-4.778869	-2.304615	0.381577
1	-3.160036	-2.847421	-1.384158
1	-1.369420	-1.276383	-1.969589
1	-3.144955	2.207028	1.667136
1	-1.180853	3.206518	0.520838
1	-0.101380	0.950790	-2.453572
1	0.194818	2.535381	-1.807113
6	-3.947023	-0.404194	0.818590
6	-4.005515	-1.597232	0.141224
6	-3.076824	-1.909321	-0.865075
6	-2.074710	-1.029859	-1.196250
6	-1.986946	0.191106	-0.516918
6	-2.930325	0.485467	0.473443
7	-2.644918	1.733088	0.957195
6	-1.552820	2.227910	0.293872
6	-1.101016	1.332799	-0.612468
6	0.077730	1.494986	-1.534054
1	0.731914	-0.667036	0.119408
8	2.011003	3.117468	-0.130582
8	2.149828	1.448894	1.290390
6	1.893927	1.839774	0.202949
6	1.419230	0.989416	-0.965575
1	2.348530	3.599465	0.608225
1	1.211221	-3.594502	1.204169
1	3.149142	-2.574189	0.597018
1	2.613217	-3.321533	-0.887346
1	0.372935	-3.106933	-0.078352
8	3.349262	-0.943584	-1.509094
7	1.369430	-0.396072	-0.591560
6	2.416615	-1.226202	-0.816233
6	2.352653	-2.583233	-0.134973
7	1.099435	-2.845144	0.554768
1	2.371656	-0.278638	2.582791
1	1.526325	-1.518315	2.418298
8	2.243438	-1.153666	2.906162

-965.22824 Kick0054.log

1	-3.009735	-0.307072	-1.248591
1	4.324305	-1.447933	1.018305
1	4.989007	0.607934	-0.155667
1	3.406151	1.794358	-1.615147

1	1.114945	0.968284	-1.916473
1	2.127008	-3.198816	1.263506
1	-0.210381	-3.385217	0.443818
1	-0.861735	-0.593936	-2.221524
1	-1.517126	-2.124976	-1.735817
6	3.625988	-0.925055	0.388701
6	3.991149	0.224543	-0.272839
6	3.085470	0.904349	-1.104075
6	1.800727	0.440582	-1.278924
6	1.405277	-0.727880	-0.619870
6	2.326946	-1.394341	0.198174
7	1.705445	-2.505216	0.698038
6	0.429634	-2.564024	0.192013
6	0.181899	-1.502166	-0.604276
6	-1.085031	-1.206043	-1.360150
1	-1.790365	0.931690	0.970634
8	-3.195391	-2.470104	0.142260
8	-2.739906	-0.999886	1.712187
6	-2.719071	-1.307501	0.571182
6	-2.181509	-0.462409	-0.563756
1	-3.548986	-2.944106	0.878348
1	-1.249011	3.830797	1.889572
1	-2.144307	3.807701	-0.194580
1	-0.449720	3.652212	-0.557969
1	-0.124131	2.715935	1.582430
8	-1.620534	1.867382	-1.982714
7	-1.767709	0.801536	-0.014464
6	-1.569489	1.884710	-0.781513
6	-1.276173	3.177387	-0.035390
7	-1.064468	2.991889	1.384844
1	1.794000	1.349227	2.524641
1	2.329346	1.877670	1.213870
8	1.882451	2.127092	2.004024

-965.22860 Kick0051.log

1	-2.928707	-0.540323	-1.282092
1	4.455667	-1.065679	1.039571
1	4.927951	1.092306	-0.039601
1	3.254355	2.176932	-1.476399
1	1.060830	1.141791	-1.850879
1	2.438194	-3.032003	1.179760
1	0.133771	-3.404728	0.328454
1	-0.753603	-0.603227	-2.248739
1	-1.277587	-2.194556	-1.798497
6	3.718391	-0.589809	0.417404
6	3.975290	0.616824	-0.190012
6	3.017150	1.238405	-1.008591
6	1.787724	0.658620	-1.223869
6	1.500694	-0.568552	-0.616105
6	2.473808	-1.175486	0.187835
7	1.955909	-2.358677	0.638774
6	0.695856	-2.518118	0.115559
6	0.355717	-1.454141	-0.643427
6	-0.927611	-1.249946	-1.401625

1	-1.890641	0.794797	0.950497
8	-2.903918	-2.726187	0.086011
8	-2.593720	-1.234703	1.671144
6	-2.542471	-1.527760	0.527125
6	-2.089077	-0.622252	-0.597894
1	-3.209947	-3.240026	0.816708
1	-1.821826	3.719629	1.891362
1	-2.479928	3.641837	-0.261636
1	-0.755714	3.630856	-0.483285
1	-0.517931	2.783958	1.692432
8	-1.713921	1.764821	-1.988577
7	-1.799394	0.669542	-0.031438
6	-1.702748	1.775835	-0.786395
6	-1.578470	3.087464	-0.025799
7	-1.465944	2.924507	1.408419
1	1.116814	1.016019	2.341242
1	1.984170	1.828654	1.409281
8	1.377136	1.893526	2.125959

-965.22868 Kick0022.log

1	-2.694216	0.570453	-1.476925
1	4.109105	-1.638159	1.081325
1	5.016806	0.460960	0.178864
1	3.687090	1.855763	-1.346848
1	1.412634	1.201657	-1.982978
1	1.722957	-3.138495	1.100214
1	-0.472941	-3.160472	-0.039925
1	-0.689096	-0.091713	-2.492674
1	-1.551264	-1.567149	-2.195041
6	3.522122	-1.024908	0.420827
6	4.022124	0.150324	-0.087028
6	3.260805	0.949494	-0.955091
6	1.985173	0.581891	-1.315687
6	1.448379	-0.603645	-0.801356
6	2.229928	-1.391991	0.050136
7	1.494921	-2.497218	0.381703
6	0.259956	-2.396483	-0.203733
6	0.172473	-1.272060	-0.946055
6	-1.018882	-0.759683	-1.707324
1	-0.964677	0.665484	0.875509
8	-3.667785	-1.627853	-0.704273
8	-2.801030	-0.985404	1.209409
6	-2.850298	-0.889055	0.029216
6	-2.014550	0.040152	-0.825175
1	-4.169140	-2.193396	-0.137878
1	0.622738	2.917052	2.439869
1	-1.057372	3.735980	1.119521
1	0.340752	3.733945	0.077138
1	1.190383	1.905672	1.327938
8	-1.413219	2.710546	-1.412746
7	-1.368334	0.993944	0.033006
6	-1.080522	2.246592	-0.358701
6	-0.319798	3.093403	0.651505
7	0.353846	2.321171	1.685687

1	-1.248850	-0.694659	2.791382
1	-0.245590	0.438996	2.921127
8	-0.377195	-0.481212	3.076035

-965.22877 Kick0100.log

1	-6.013194	1.771486	0.549419
8	-5.191738	1.730814	1.003891
1	-5.356033	1.834254	1.923355
1	2.829700	1.513061	-1.033236
1	-4.042564	-1.541206	0.597588
1	-3.080393	-3.779027	0.235736
1	-0.847825	-4.041948	-0.758997
1	0.483171	-2.082213	-1.389768
1	-3.440864	1.168849	0.233872
1	-1.568693	2.562187	-0.634470
1	1.166252	0.287586	-2.222169
1	0.715644	1.961897	-2.139452
6	-3.060177	-1.658674	0.175505
6	-2.515886	-2.902679	-0.030123
6	-1.236971	-3.052935	-0.592907
6	-0.487863	-1.955096	-0.944978
6	-1.013418	-0.674664	-0.733279
6	-2.296876	-0.548036	-0.186837
7	-2.591360	0.782616	-0.110802
6	-1.527894	1.491963	-0.596284
6	-0.529362	0.664510	-0.984006
6	0.806722	1.056788	-1.551703
1	1.795848	0.135545	1.273996
8	1.482907	3.585619	-0.308849
8	1.505129	2.439323	1.567558
6	1.613784	2.464592	0.391055
6	1.917152	1.278132	-0.497473
1	1.311563	4.297056	0.287613
1	2.364044	-2.500206	2.827800
1	4.010935	-1.956177	1.344212
1	2.971718	-2.979504	0.390052
1	1.159012	-2.303631	1.773289
8	3.339463	-1.023258	-1.161345
7	2.150892	0.136858	0.346613
6	2.847145	-0.929796	-0.069591
6	3.005104	-2.048992	0.948767
7	2.058584	-1.964999	2.044510

-965.23039 Kick0044.log

1	-2.746185	-0.421065	-0.454707
1	4.889122	-0.802478	0.432288
1	5.021527	1.580836	-0.153524
1	3.067365	2.767156	-1.055676
1	0.930570	1.606535	-1.369149
1	3.062510	-2.949027	0.422393
1	0.683519	-3.372183	-0.160748
1	-0.840496	-0.227087	-1.872354
1	-1.211037	-1.894783	-1.605076
6	4.028160	-0.281793	0.051299

6	4.094490	1.050158	-0.278549
6	2.975913	1.729557	-0.787937
6	1.775912	1.081164	-0.961828
6	1.676772	-0.272532	-0.620692
6	2.808956	-0.933262	-0.130865
7	2.460521	-2.237027	0.092417
6	1.142559	-2.408379	-0.249805
6	0.606840	-1.245923	-0.681192
6	-0.810232	-1.010631	-1.127575
1	-0.944980	0.468585	1.621459
8	-2.427268	-2.820669	0.444823
8	-1.750851	-1.637103	2.169979
6	-1.970201	-1.712134	1.010589
6	-1.781834	-0.599052	0.002828
1	-2.552973	-3.474803	1.113952
1	-0.068132	3.093671	2.972976
1	-1.883665	3.366822	1.632998
1	-0.583066	3.685653	0.518998
1	0.815969	2.326596	1.861616
8	-2.035395	2.098126	-0.787916
7	-1.363357	0.577959	0.726462
6	-1.517510	1.818505	0.267603
6	-1.005269	2.928169	1.172202
7	-0.111102	2.454844	2.209554
1	-3.123171	1.170459	-2.125467
1	-4.501934	0.980630	-2.739360
8	-3.669575	0.567266	-2.606402

-965.23048 Kick0042.log

1	2.755767	-0.437486	0.450978
1	-4.886512	-0.806702	-0.435174
1	-5.019745	1.580043	0.136295
1	-3.065025	2.773251	1.027919
1	-0.927050	1.615879	1.345661
1	-3.057699	-2.951094	-0.418440
1	-0.678708	-3.370181	0.167614
1	0.846773	-0.214603	1.859570
1	1.213082	-1.886809	1.604782
6	-4.025582	-0.283287	-0.057899
6	-4.092395	1.050580	0.264003
6	-2.973635	1.733709	0.767817
6	-1.773088	1.087127	0.944440
6	-1.673536	-0.268689	0.611843
6	-2.805808	-0.932891	0.126865
7	-2.456935	-2.237813	-0.088956
6	-1.138553	-2.406402	0.252345
6	-0.603108	-1.241235	0.676988
6	0.814078	-1.004461	1.122122
1	1.001585	0.476425	-1.643230
8	2.401057	-2.832977	-0.449664
8	1.761142	-1.633103	-2.177670
6	1.967849	-1.715700	-1.016554
6	1.789201	-0.602045	-0.007587
1	2.528180	-3.485555	-1.120072

1	0.153901	3.110474	-2.996614
1	1.922616	3.375208	-1.593133
1	0.584119	3.684283	-0.522102
1	-0.766167	2.333486	-1.921992
8	1.987009	2.086538	0.824086
7	1.383318	0.579434	-0.731174
6	1.512565	1.816066	-0.254118
6	1.029418	2.932279	-1.166208
7	0.171977	2.465741	-2.237155
1	3.523695	0.762473	3.495258
1	3.210780	1.197169	2.070905
8	3.701725	0.579779	2.591802

-965.23108 Kick0039.log

1	-2.872133	0.254542	-1.055071
1	4.086508	-2.306967	1.039701
1	4.925524	-0.000150	0.903769
1	3.553278	1.782655	-0.096904
1	1.326546	1.314234	-0.959066
1	1.827782	-3.845119	0.359698
1	-0.404510	-3.524244	-0.683950
1	-0.711360	0.104763	-2.057945
1	-1.519748	-1.427623	-2.162378
6	3.481591	-1.525921	0.613421
6	3.943358	-0.234575	0.533352
6	3.159874	0.784183	-0.032784
6	1.900359	0.520585	-0.516936
6	1.399846	-0.784770	-0.434983
6	2.204346	-1.786689	0.118716
7	1.505024	-2.961669	0.053875
6	0.287280	-2.720998	-0.528882
6	0.158914	-1.412618	-0.839826
6	-1.031485	-0.748181	-1.475021
1	-1.410280	0.399697	1.421356
8	-3.343350	-2.226177	-0.544047
8	-2.767633	-1.498160	1.450486
6	-2.753819	-1.365820	0.276760
6	-2.094625	-0.231413	-0.477288
1	-3.758397	-2.901741	-0.031242
1	-0.253128	2.578652	3.270189
1	-1.571578	3.451950	1.642460
1	-0.009239	3.481842	0.869622
1	0.659426	1.709147	2.265654
8	-1.494512	2.446040	-0.911485
7	-1.576299	0.701805	0.489141
6	-1.306741	1.971106	0.184868
6	-0.750411	2.825078	1.311744
7	-0.268074	2.039976	2.431956
1	1.054708	3.863908	-2.623598
1	-0.030470	3.593618	-1.589965
8	0.841943	3.937078	-1.711951

-965.23218 Kick0023.log

1	1.994869	1.243445	-1.727305
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1	-4.794829	-0.344906	1.637740
1	-4.724718	-2.589680	0.638234
1	-3.018235	-3.173982	-1.028746
1	-1.335021	-1.538560	-1.726622
1	-3.460426	2.130390	1.522044
1	-1.546982	3.166424	0.320225
1	-0.265716	0.792568	-2.446085
1	-0.091360	2.426761	-1.884530
6	-4.045041	-0.599603	0.909524
6	-3.999765	-1.851230	0.345635
6	-3.024647	-2.185137	-0.606904
6	-2.081324	-1.268164	-1.001724
6	-2.101455	0.014593	-0.442037
6	-3.087052	0.326648	0.501207
7	-2.905239	1.631200	0.873219
6	-1.839157	2.145148	0.182893
6	-1.301256	1.208280	-0.629118
6	-0.130588	1.396598	-1.556684
1	0.663889	-0.799496	-0.086241
8	1.530341	3.201123	-0.089578
8	1.970857	1.546409	1.279781
6	1.616993	1.912391	0.209688
6	1.248823	1.029936	-0.973446
1	1.812633	3.708712	0.655092
1	1.834224	-2.473945	1.546838
1	3.506008	-2.743209	-0.066066
1	2.263137	-3.059533	-1.251595
1	1.250771	-3.715511	0.683803
8	3.506567	-0.547782	-1.281166
7	1.357647	-0.361522	-0.647795
6	2.524692	-1.031335	-0.792952
6	2.493572	-2.486996	-0.357910
7	1.488366	-2.748387	0.650804
1	2.741966	-0.098671	2.157516
1	4.106186	-0.748976	2.070298
8	3.221663	-0.886954	2.356308

-965.23590 Kick0053.log

1	-2.064609	1.455697	-1.516732
1	3.492332	-3.094291	1.271582
1	5.080326	-1.234743	1.022840
1	4.456521	0.799054	-0.207625
1	2.224647	1.031157	-1.197421
1	0.870485	-3.831606	0.542975
1	-1.066565	-2.868856	-0.681583
1	-0.035789	0.498105	-2.347736
1	-1.319439	-0.670475	-2.395129
6	3.212227	-2.199525	0.743768
6	4.094388	-1.156075	0.600333
6	3.735772	0.008379	-0.097759
6	2.484178	0.141799	-0.651463
6	1.561885	-0.901095	-0.509419
6	1.946142	-2.058386	0.177228
7	0.887435	-2.924368	0.149526

6	-0.145527	-2.340417	-0.540030
6	0.200833	-1.103646	-0.958695
6	-0.655699	-0.135561	-1.728068
1	-0.753142	1.376171	1.033677
8	-3.337153	-0.681024	-0.824264
8	-2.631509	0.045054	1.133582
6	-2.542291	0.024731	-0.053418
6	-1.514785	0.802243	-0.848760
1	-3.971296	-1.160279	-0.295777
1	1.050212	3.239402	2.764212
1	0.082461	4.306275	0.993331
1	1.608574	3.787238	0.331513
1	1.593103	1.994834	1.894560
8	-0.011738	3.068271	-1.465092
7	-0.745729	1.603112	0.067062
6	-0.056140	2.681586	-0.328629
6	0.682133	3.430110	0.771156
7	0.846937	2.652534	1.984648
1	-5.691308	-1.721551	1.515612
1	-4.242938	-1.303010	1.792824
8	-4.801197	-1.818166	1.232369

-965.16943 Kick0052.log

1	1.257701	-1.391511	-1.284107
1	0.989804	-1.774191	1.374983
8	0.844932	-0.631760	-0.910352
1	4.895187	0.059001	-1.026678
1	4.697837	-2.401664	-0.518142
1	2.973117	-3.200693	0.974630
1	2.250733	-0.809382	2.108286
1	3.535983	2.400661	-0.552508
1	1.380620	3.203293	0.322307
1	-0.295713	0.471986	2.284632
1	-0.400860	2.170454	1.923662
1	-2.458480	1.136930	1.412003
6	3.986215	-0.325072	-0.597660
6	3.924297	-1.736610	-0.175130
6	2.975952	-2.178122	0.640589
6	1.910387	-1.240674	1.167525
6	1.623619	-0.129665	0.163294
6	2.926213	0.441823	-0.385667
7	2.740735	1.805902	-0.561241
6	1.618691	2.164248	0.205346
6	0.938652	1.127884	0.667895
6	-0.332109	1.189813	1.471990
1	-1.129549	-0.807285	-0.330744
8	-2.325208	1.508364	-1.512447
8	-1.601056	3.134444	-0.225683
6	-1.837542	1.983185	-0.379467
6	-1.653029	0.942604	0.716717
1	-2.432375	2.228675	-2.113591
1	-2.318453	-2.216251	-2.078650
1	-4.097239	-2.570697	-0.525889
1	-2.908790	-3.154295	0.607635
1	-2.006229	-3.659301	-1.438125
8	-3.919611	-0.636138	1.046965
7	-1.818463	-0.412873	0.269883
6	-2.987260	-1.063585	0.426370
6	-3.069067	-2.447919	-0.199889
7	-2.075968	-2.686240	-1.231365

-965.21938 Kick0005.log

1	4.331786	-1.402409	-0.540536
1	4.613839	-2.213884	-1.785009
8	4.926119	-2.023878	-0.919958
1	4.047576	1.586625	1.679884
1	3.478025	3.712116	0.581305
1	1.661631	3.830322	-1.067047
1	0.355860	1.836750	-1.640608
1	3.187809	-1.098443	1.803592
1	1.573255	-2.594221	0.643039
1	-0.230374	-0.671588	-2.196861
1	-0.032476	-2.286544	-1.580075
1	-2.326706	-1.514122	-1.386627
6	3.245400	1.639496	0.965313

6	2.922415	2.822289	0.345260
6	1.883926	2.889566	-0.596308
6	1.153048	1.772870	-0.922338
6	1.454844	0.556148	-0.300112
6	2.500158	0.511669	0.627707
7	2.622232	-0.789073	1.051760
6	1.651996	-1.546496	0.439314
6	0.919182	-0.787948	-0.404062
6	-0.205817	-1.260255	-1.287240
1	-1.447651	0.650838	0.391348
8	-2.444135	-1.744678	1.516616
8	-1.259186	-3.266745	0.466916
6	-1.727803	-2.179087	0.492421
6	-1.604203	-1.181336	-0.652894
1	-2.511162	-2.441974	2.150095
1	-3.080031	1.959549	1.991608
1	-4.550000	2.094370	0.153669
1	-3.242414	2.758250	-0.788385
1	-2.586998	3.330719	1.303170
8	-3.990189	0.130584	-1.300766
7	-1.979637	0.156341	-0.286463
6	-3.192069	0.667630	-0.588927
6	-3.478199	2.044533	-0.006349
7	-2.676898	2.348003	1.165314

-965.22031 Kick0059.log

1	-2.544798	-1.428243	2.580965
1	-2.917557	0.000012	2.879557
8	-2.634712	-0.803385	3.277442
1	-4.311593	0.460859	-2.133532
1	-4.299712	2.671182	-1.058813
1	-2.649143	3.220340	0.675822
1	-0.965473	1.576717	1.370618
1	-2.954046	-2.006922	-2.052891
1	-1.053788	-3.055041	-0.833923
1	0.095035	-0.767042	2.060517
1	0.313769	-2.377525	1.447164
1	2.381422	-1.121386	1.391349
6	-3.586706	0.699343	-1.375278
6	-3.574430	1.931976	-0.769359
6	-2.631720	2.245209	0.223185
6	-1.688938	1.325697	0.616267
6	-1.679156	0.059978	0.016430
6	-2.630953	-0.230643	-0.968225
7	-2.421731	-1.520175	-1.375741
6	-1.374408	-2.047504	-0.665722
6	-0.875473	-1.133095	0.197381
6	0.268811	-1.336858	1.156415
1	1.140391	0.821636	-0.427117
8	2.699090	-1.289808	-1.515424
8	1.861841	-3.051423	-0.506830
6	2.061745	-1.883651	-0.519120
6	1.652170	-0.946760	0.611381
1	2.957967	-1.950611	-2.138482

1	2.490410	2.436049	-1.997372
1	3.884326	2.861822	-0.140986
1	2.457375	3.239720	0.786737
1	1.736260	3.686735	-1.316759
8	3.721265	0.808887	1.284188
7	1.747129	0.444376	0.263150
6	2.834043	1.183778	0.574704
6	2.842968	2.594924	0.004319
7	2.010540	2.739108	-1.176284

-965.22060 Kick0087.log

1	3.499922	-1.642044	-1.511862
1	4.519794	-0.539843	-1.394494
8	4.424019	-1.468067	-1.507166
1	4.156045	1.009700	1.883825
1	3.912757	3.180727	0.755391
1	2.182620	3.525744	-0.953983
1	0.653369	1.713099	-1.574302
1	3.112344	-1.602376	1.803052
1	1.251442	-2.841277	0.717010
1	-0.214207	-0.710632	-2.171154
1	-0.226540	-2.339821	-1.560381
1	-2.418981	-1.307357	-1.434112
6	3.397263	1.159137	1.136324
6	3.255459	2.368808	0.500226
6	2.266238	2.565947	-0.476793
6	1.409934	1.550746	-0.828180
6	1.535537	0.305193	-0.200863
6	2.525874	0.132688	0.773540
7	2.445456	-1.157118	1.222678
6	1.460562	-1.808639	0.527249
6	0.856391	-0.967858	-0.344108
6	-0.287634	-1.301282	-1.265403
1	-1.345473	0.738183	0.378392
8	-2.641721	-1.527182	1.470313
8	-1.631093	-3.179499	0.434988
6	-1.962061	-2.042326	0.458789
6	-1.687398	-1.062098	-0.675471
1	-2.808482	-2.213442	2.097414
1	-2.842277	2.203734	1.961724
1	-4.268577	2.511352	0.107551
1	-2.884265	3.033959	-0.814046
1	-2.203259	3.522856	1.292035
8	-3.906878	0.502734	-1.347443
7	-1.915613	0.309513	-0.313165
6	-3.063288	0.949278	-0.625881
6	-3.206470	2.346506	-0.039325
7	-2.391742	2.555741	1.143599

-965.22177 Kick0065.log

1	-1.874229	-2.743540	2.796027
1	-1.292511	-1.994540	1.608281
8	-1.235629	-2.790318	2.108282
1	4.820384	0.134505	-1.425786

1	4.744689	-2.270815	-0.919519
1	2.920768	-3.216558	0.429266
1	1.133843	-1.800838	1.293585
1	3.403201	2.509471	-0.913981
1	1.336101	3.237564	0.262845
1	-0.140253	0.287473	2.302628
1	-0.261981	2.015420	2.154486
1	-2.314200	0.973171	1.469485
6	4.017807	-0.280050	-0.841247
6	3.968813	-1.622373	-0.553040
6	2.926857	-2.162960	0.215857
6	1.918426	-1.365900	0.701961
6	1.939616	0.005444	0.417962
6	2.993658	0.523627	-0.343973
7	2.796949	1.873716	-0.459304
6	1.657098	2.216875	0.218685
6	1.082798	1.122194	0.766015
6	-0.180876	1.099246	1.585510
1	-0.801196	-0.549199	-0.536919
8	-1.949474	1.868910	-1.383705
8	-1.626553	3.273210	0.275669
6	-1.686354	2.158856	-0.120161
6	-1.482904	0.944687	0.778513
1	-2.094243	2.675898	-1.852478
1	-1.684399	-1.477893	-2.890131
1	-3.634317	-2.079559	-1.726584
1	-2.632074	-2.922558	-0.570731
1	-1.229434	-2.922953	-2.332516
8	-3.790208	-0.495084	0.216225
7	-1.547794	-0.315186	0.079616
6	-2.753667	-0.856052	-0.254438
6	-2.685490	-2.043104	-1.202651
7	-1.517716	-2.008778	-2.062265

-965.22262 Kick0026.log

1	0.852908	3.154438	0.547133
1	1.316689	2.901744	1.968907
8	0.861448	3.513600	1.419947
1	-4.761685	-0.111830	-1.475296
1	-4.629338	2.290236	-0.966078
1	-2.802886	3.184787	0.418743
1	-1.076291	1.722513	1.310544
1	-3.421848	-2.526825	-0.935808
1	-1.391738	-3.309044	0.268953
1	0.130905	-0.430194	2.357035
1	0.220639	-2.154148	2.155405
1	2.300040	-1.211685	1.526794
6	-3.958157	0.280106	-0.876706
6	-3.877835	1.621063	-0.586575
6	-2.836033	2.132644	0.201586
6	-1.860443	1.306088	0.706178
6	-1.911528	-0.063155	0.418595
6	-2.965880	-0.552072	-0.362799
7	-2.803339	-1.906708	-0.475907

6	-1.685605	-2.280252	0.222146
6	-1.090889	-1.202103	0.780131
6	0.163449	-1.219265	1.614378
1	0.835227	0.661710	-0.168215
8	1.725133	-1.844563	-1.425552
8	1.614618	-3.356073	0.167388
6	1.617366	-2.218844	-0.161622
6	1.483258	-1.072576	0.833320
1	1.828999	-2.617195	-1.958527
1	1.241961	1.932849	-2.148198
1	3.595243	1.754464	-1.789378
1	3.385364	2.680261	-0.329830
1	1.689954	3.401470	-1.684091
8	3.866626	0.087692	0.118830
7	1.631114	0.233963	0.241413
6	2.854057	0.657816	-0.160302
6	2.911594	1.944687	-0.968415
7	1.612672	2.453655	-1.380146

-965.22515 Kick0018.log

1	-2.075863	2.657152	-0.708131
1	-2.678807	4.051474	-0.755288
8	-1.893792	3.559299	-0.908149
1	-4.430522	-1.303583	-1.257959
1	-5.043375	0.741095	-0.039280
1	-3.474702	1.779854	1.547248
1	-1.252530	0.817598	1.923368
1	-2.316349	-3.152031	-1.483449
1	-0.032317	-3.501117	-0.556540
1	0.623459	-0.891067	2.271852
1	1.242146	-2.415669	1.711371
1	2.787195	-0.525394	1.369172
6	-3.739727	-0.845535	-0.572199
6	-4.074300	0.299271	0.111239
6	-3.176876	0.895230	1.012300
6	-1.931569	0.351428	1.232588
6	-1.566894	-0.814979	0.553309
6	-2.481366	-1.395777	-0.335308
7	-1.897310	-2.520482	-0.847740
6	-0.650149	-2.667785	-0.293423
6	-0.387960	-1.656000	0.563082
6	0.861834	-1.458972	1.380317
1	0.994361	0.635056	-0.639584
8	3.194710	-0.903036	-1.396074
8	2.666147	-2.771374	-0.372628
6	2.628992	-1.587535	-0.415338
6	1.993230	-0.712072	0.655963
1	3.612027	-1.512961	-1.983930
1	1.588337	2.788083	-2.153504
1	2.438926	3.665627	-0.184409
1	0.884591	3.417778	0.556846
1	0.173458	3.295567	-1.536031
8	2.925264	1.810536	1.474436
7	1.590826	0.570068	0.151682

6	2.130269	1.728261	0.581289
6	1.605640	2.973825	-0.120224
7	0.957141	2.697983	-1.387371

-965.22610 Kick0085.log

1	0.010513	-1.623267	2.131649
1	-1.435820	-1.220633	1.892969
8	-0.718240	-1.147463	2.496154
1	-4.638029	0.113605	1.075978
1	-4.669948	-2.107069	0.020893
1	-2.864812	-2.808984	-1.491203
1	-0.977317	-1.317857	-1.967220
1	-3.040094	2.428886	1.227584
1	-0.914636	3.296680	0.270950
1	0.439404	0.822933	-2.409773
1	0.694491	2.447705	-1.846501
1	2.591433	0.958294	-1.400901
6	-3.843881	-0.193358	0.418569
6	-3.854445	-1.434042	-0.174630
6	-2.821291	-1.835805	-1.035884
6	-1.762915	-0.999935	-1.305502
6	-1.721718	0.264842	-0.708806
6	-2.769186	0.648922	0.138302
7	-2.499584	1.915008	0.577641
6	-1.308166	2.328196	0.041586
6	-0.785358	1.367888	-0.752864
6	0.509045	1.434369	-1.517516
1	0.998223	-0.572896	0.513188
8	2.695712	1.370335	1.414413
8	1.922107	3.102875	0.307600
6	2.103431	1.934757	0.374812
6	1.740564	0.954215	-0.731466
1	2.915546	2.045036	2.037664
1	2.345719	-2.383198	1.966771
1	3.130047	-3.278885	-0.099591
1	1.475628	-3.285927	-0.655639
1	1.352993	-3.596128	1.622572
8	3.206645	-1.280888	-1.557973
7	1.613351	-0.395077	-0.243620
6	2.401665	-1.396808	-0.679646
6	2.183715	-2.755210	-0.028465
7	1.644534	-2.689268	1.322852

-965.22614 Kick0068.log

1	5.207081	-2.370168	2.177469
1	5.886553	-2.337856	0.813274
8	5.108402	-2.098901	1.282954
1	4.254190	1.446066	0.828509
1	3.473991	3.727812	0.329716
1	1.348192	4.101247	-0.844408
1	-0.052276	2.212843	-1.534108
1	3.517638	-1.234849	0.463223
1	1.638975	-2.530763	-0.527969
1	-0.734134	-0.177267	-2.481741

1	-0.399464	-1.869165	-2.253668
1	-2.607752	-1.282126	-1.452390
6	3.321778	1.611963	0.318278
6	2.879276	2.881121	0.035165
6	1.663945	3.094615	-0.635125
6	0.878769	2.036821	-1.025515
6	1.303554	0.731858	-0.748450
6	2.522329	0.541790	-0.083197
7	2.721296	-0.802299	0.052866
6	1.668031	-1.460102	-0.516948
6	0.764751	-0.584299	-1.018366
6	-0.515378	-0.928875	-1.731840
1	-1.369956	0.607210	0.424407
8	-1.964673	-2.013593	1.356538
8	-1.249844	-3.314278	-0.261554
6	-1.615458	-2.247157	0.101167
6	-1.755281	-1.048205	-0.829132
1	-1.881440	-2.820013	1.840637
1	-2.487705	1.481315	2.635204
1	-4.465587	1.756247	1.370947
1	-3.542349	2.680776	0.216306
1	-2.312032	2.991241	2.097066
8	-4.285530	0.091832	-0.489769
7	-2.061875	0.177742	-0.144965
6	-3.331830	0.598912	0.027028
6	-3.492954	1.837569	0.896993
7	-2.386558	2.038972	1.813788

-965.22617 Kick0014.log

1	5.965491	-2.139945	0.768446
1	5.369793	-2.175278	2.170921
8	5.185317	-1.986157	1.269229
1	4.265831	1.376866	0.820340
1	3.520450	3.665724	0.297962
1	1.401505	4.059113	-0.881948
1	-0.026488	2.185114	-1.554212
1	3.491116	-1.290793	0.484111
1	1.592054	-2.572911	-0.497966
1	-0.744182	-0.202946	-2.476827
1	-0.434442	-1.897499	-2.233738
1	-2.634046	-1.271610	-1.438004
6	3.336575	1.552359	0.307746
6	2.913396	2.825064	0.011358
6	1.701967	3.050006	-0.662315
6	0.901351	2.000258	-1.042907
6	1.306287	0.691914	-0.752241
6	2.521354	0.490384	-0.083671
7	2.700264	-0.855075	0.066314
6	1.637714	-1.502777	-0.497883
6	0.748139	-0.618654	-1.009238
6	-0.536622	-0.951036	-1.720276
1	-1.370781	0.615497	0.424264
8	-2.001697	-1.986948	1.377543
8	-1.305679	-3.312143	-0.228914

6	-1.655587	-2.236659	0.124394
6	-1.778403	-1.044293	-0.816658
1	-1.929775	-2.790031	1.868982
1	-2.482422	1.525546	2.624972
1	-4.451491	1.820354	1.351745
1	-3.510390	2.720804	0.192492
1	-2.281896	3.028102	2.075042
8	-4.291469	0.138006	-0.494497
7	-2.067840	0.191770	-0.143131
6	-3.331548	0.634362	0.021182
6	-3.476211	1.882677	0.880329
7	-2.369933	2.074761	1.799331

-965.22686 Kick0098.log

1	-0.505676	0.473073	2.258314
1	0.798667	1.141985	1.861642
8	-0.030708	1.285907	2.281666
1	4.685235	0.019901	1.225602
1	4.632800	2.311234	0.335224
1	2.829878	3.036718	-1.168321
1	1.038476	1.507634	-1.808732
1	3.259899	-2.402274	1.082793
1	1.184060	-3.290429	0.038748
1	-0.244981	-0.786983	-2.511810
1	-0.431725	-2.420383	-1.948782
1	-2.442160	-1.269102	-1.519364
6	3.892218	0.337884	0.572086
6	3.856936	1.616248	0.068817
6	2.827111	2.030924	-0.789556
6	1.818469	1.170084	-1.150289
6	1.822792	-0.136752	-0.646211
6	2.867100	-0.530946	0.201014
7	2.655045	-1.840408	0.537446
6	1.516786	-2.280063	-0.086459
6	0.955542	-1.286864	-0.810993
6	-0.311665	-1.397324	-1.618135
1	-0.859313	0.949647	-0.520786
8	-1.714362	-1.273843	1.515027
8	-1.940559	-3.064486	0.264480
6	-1.780208	-1.895064	0.341873
6	-1.608757	-1.005986	-0.882744
1	-1.895450	-1.910015	2.189338
1	-1.046616	2.776532	0.987626
1	-3.418712	2.629500	0.872874
1	-3.310119	2.968946	-0.831470
1	-1.443438	3.990595	-0.007720
8	-3.898545	0.400224	-0.309554
7	-1.679680	0.401285	-0.610540
6	-2.857018	0.992187	-0.315990
6	-2.801198	2.479483	-0.008680
7	-1.453377	3.000286	0.102162

-965.22724 Kick0023.log

1	-0.564949	0.445999	2.112127
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1	0.776397	1.138619	1.954393
8	-0.079661	1.222260	2.335433
1	4.672883	0.022273	1.240874
1	4.631599	2.310000	0.340579
1	2.841928	3.032265	-1.180223
1	1.052756	1.503866	-1.827862
1	3.240519	-2.395801	1.103212
1	1.173301	-3.285630	0.044461
1	-0.239845	-0.784499	-2.520927
1	-0.431171	-2.417304	-1.958150
1	-2.441581	-1.259776	-1.532421
6	3.885124	0.339220	0.580538
6	3.856116	1.615527	0.071689
6	2.833759	2.028407	-0.796386
6	1.826099	1.168009	-1.160649
6	1.823419	-0.136328	-0.650316
6	2.860970	-0.529069	0.205703
7	2.644752	-1.837104	0.544776
6	1.509207	-2.276640	-0.083439
6	0.954703	-1.285206	-0.815710
6	-0.309902	-1.394457	-1.627208
1	-0.851441	0.957536	-0.550955
8	-1.698133	-1.266362	1.500931
8	-1.952292	-3.057519	0.254907
6	-1.781426	-1.889887	0.330218
6	-1.607987	-1.000763	-0.894359
1	-1.864597	-1.895812	2.185601
1	-1.046604	2.768392	1.015403
1	-3.417417	2.650438	0.851020
1	-3.267897	2.982683	-0.852193
1	-1.408428	3.985962	0.012856
8	-3.889853	0.413761	-0.307301
7	-1.672461	0.406431	-0.616509
6	-2.847017	1.002460	-0.319382
6	-2.783266	2.490258	-0.016469
7	-1.431539	2.995600	0.121029

-965.22743 Kick0031.log

1	6.378304	-1.643187	-0.704770
1	5.212122	-0.747808	-0.333820
8	5.952296	-1.219120	0.016700
1	-5.045971	-0.855078	1.331904
1	-4.601068	-3.103649	0.443645
1	-2.680728	-3.518645	-1.030474
1	-1.152985	-1.702620	-1.640999
1	-4.026626	1.768646	1.224714
1	-2.130076	2.995183	0.180207
1	-0.292483	0.689985	-2.336357
1	-0.401825	2.364346	-1.878616
1	1.797903	1.448021	-1.422900
6	-4.201811	-1.035314	0.689710
6	-3.946950	-2.288965	0.188730
6	-2.849058	-2.526079	-0.652716
6	-1.992969	-1.508515	-0.998460

6	-2.226767	-0.221395	-0.501348
6	-3.331017	-0.007658	0.332130
7	-3.345533	1.319903	0.665010
6	-2.288883	1.943860	0.054567
6	-1.565350	1.057339	-0.665135
6	-0.339124	1.359208	-1.485125
1	0.561844	-0.501445	0.397061
8	1.648866	1.915403	1.470312
8	0.769539	3.443583	0.159663
6	1.106162	2.321561	0.335174
6	0.994648	1.236811	-0.729818
1	1.726996	2.658139	2.048447
1	1.839037	-1.813824	2.318085
1	3.554260	-2.132889	0.747836
1	2.372315	-2.781487	-0.354956
1	1.329980	-3.168060	1.610844
8	3.358838	-0.241132	-0.902742
7	1.224032	-0.088309	-0.218889
6	2.422357	-0.687650	-0.289547
6	2.528934	-2.031928	0.413974
7	1.530309	-2.204900	1.453288

-965.22749 Kick0035.log

1	5.176722	-1.016661	-0.628963
1	6.498015	-0.733663	0.058583
8	5.940325	-1.423632	-0.249062
1	-5.052213	-0.914943	1.265695
1	-4.538711	-3.169414	0.430923
1	-2.575440	-3.569932	-0.989738
1	-1.072384	-1.733143	-1.598536
1	-4.087738	1.728109	1.130510
1	-2.192600	2.975730	0.108586
1	-0.247516	0.664554	-2.319842
1	-0.402531	2.344240	-1.896398
1	1.804886	1.481041	-1.374088
6	-4.189249	-1.088782	0.647155
6	-3.896020	-2.345644	0.176151
6	-2.773598	-2.574513	-0.634706
6	-1.931199	-1.545302	-0.979508
6	-2.203998	-0.254570	-0.512478
6	-3.332089	-0.049350	0.290566
7	-3.382727	1.283598	0.597696
6	-2.325575	1.918949	-0.000043
6	-1.566276	1.035034	-0.685294
6	-0.328005	1.348064	-1.482668
1	0.571394	-0.458658	0.458437
8	1.591626	2.004233	1.502581
8	0.692222	3.482898	0.150432
6	1.055461	2.373488	0.350986
6	0.990374	1.267032	-0.694993
1	1.631623	2.759322	2.068465
1	1.822412	-1.781369	2.389523
1	3.569438	-2.053549	0.852859
1	2.430568	-2.733483	-0.270812

1	1.326314	-3.124907	1.653075
8	3.367598	-0.195264	-0.844365
7	1.235394	-0.042592	-0.153425
6	2.434895	-0.638824	-0.223049
6	2.550206	-1.974598	0.494969
7	1.532193	-2.160302	1.513227

-965.22750 Kick0001.log

1	0.958200	0.453902	2.076162
1	-0.227398	1.368345	2.365385
8	0.117858	0.498578	2.496636
1	4.599499	-0.357337	1.183225
1	4.739593	1.937146	0.311146
1	2.990440	2.832801	-1.163763
1	1.052731	1.465772	-1.785921
1	2.925367	-2.627126	1.087644
1	0.764574	-3.309485	0.059190
1	-0.447428	-0.534424	-2.400052
1	-0.756205	-2.203910	-2.032328
1	-2.614560	-0.711948	-1.472290
6	3.827234	0.036125	0.545794
6	3.899062	1.317783	0.053617
6	2.897617	1.830259	-0.786012
6	1.809333	1.065523	-1.134770
6	1.705525	-0.240229	-0.641936
6	2.722923	-0.735089	0.184526
7	2.393042	-2.020981	0.515155
6	1.200369	-2.342610	-0.081604
6	0.729523	-1.297712	-0.796748
6	-0.550952	-1.240500	-1.584995
1	-1.198138	0.480261	0.776632
8	-2.979340	-1.444404	1.182800
8	-1.977646	-3.048142	0.066000
6	-2.226212	-1.897612	0.194672
6	-1.788563	-0.814396	-0.777685
1	-3.225738	-2.172363	1.731484
1	-2.499509	2.413337	1.920777
1	-2.624926	3.539534	-0.209121
1	-0.895885	3.345131	-0.323708
1	-1.419965	3.600442	1.927665
8	-2.458523	1.657550	-1.821704
7	-1.643680	0.457124	-0.111680
6	-2.006183	1.602435	-0.712075
6	-1.799723	2.892551	0.068406
7	-1.643529	2.722729	1.506649

-965.22756 Kick0090.log

1	1.034789	4.278290	0.261915
1	0.425755	5.410354	-0.545485
8	0.318792	4.891378	0.230147
1	-4.741345	-0.114555	1.321001
1	-4.826856	-2.435224	0.512533
1	-3.051529	-3.331978	-0.929054
1	-1.144268	-1.941023	-1.582512

1	-3.146555	2.201206	1.130520
1	-1.033629	2.930260	0.061213
1	0.230754	0.220661	-2.383046
1	0.544006	1.861139	-1.898923
1	2.449481	0.443003	-1.476493
6	-3.959914	-0.507499	0.694441
6	-4.001249	-1.803138	0.237655
6	-2.986801	-2.315333	-0.584667
6	-1.917126	-1.535319	-0.954633
6	-1.846506	-0.213371	-0.501421
6	-2.875035	0.278506	0.312270
7	-2.586066	1.585595	0.596028
6	-1.415588	1.932699	-0.024266
6	-0.910167	0.874799	-0.700576
6	0.352601	0.865796	-1.520513
1	0.748533	-1.233719	0.233192
8	2.184841	0.869421	1.501282
8	2.103069	2.562270	0.108940
6	1.986639	1.395212	0.310789
6	1.621852	0.399701	-0.782130
1	2.427372	1.557270	2.101690
1	1.545996	-2.788355	2.199253
1	3.345382	-3.410561	0.804013
1	2.186604	-3.811273	-0.435246
1	0.909342	-4.048528	1.421560
8	3.671754	-1.477744	-0.758270
7	1.527966	-0.955505	-0.317036
6	2.612277	-1.760967	-0.278990
6	2.393538	-3.118291	0.373221
7	1.278299	-3.130997	1.301006

-965.22790 Kick0036.log

1	-5.335711	-0.825076	-1.395453
1	-4.439032	0.070756	-0.558702
8	-4.832038	-0.787266	-0.603863
1	5.064354	-0.468288	1.246040
1	5.377375	1.722163	0.174732
1	3.667480	2.645129	-1.328033
1	1.601805	1.409552	-1.786274
1	3.213618	-2.589770	1.364236
1	0.985111	-3.179601	0.425194
1	-0.037012	-0.552416	-2.257078
1	-0.457578	-2.155734	-1.732363
1	-2.234929	-0.545622	-1.305047
6	4.312187	-0.064179	0.591390
6	4.480167	1.159132	-0.011522
6	3.502742	1.686626	-0.869198
6	2.344911	0.993680	-1.129521
6	2.145858	-0.254067	-0.528206
6	3.136882	-0.762134	0.320544
7	2.711994	-1.985489	0.762817
6	1.488744	-2.260430	0.208564
6	1.087186	-1.241696	-0.584057
6	-0.190164	-1.169722	-1.379256

1	-0.342112	0.911767	0.409437
8	-2.427900	-0.967949	1.497974
8	-1.794176	-2.746232	0.370077
6	-1.875615	-1.568556	0.458815
6	-1.399491	-0.603861	-0.621465
1	-2.828589	-1.624228	2.045916
1	-0.903585	2.604042	2.349315
1	-2.580935	3.434606	0.930448
1	-1.372247	3.663147	-0.303092
1	-0.058241	3.709277	1.533936
8	-3.164753	1.599866	-0.672311
7	-1.159431	0.728864	-0.126323
6	-2.085326	1.696248	-0.145868
6	-1.677806	3.008983	0.506236
7	-0.579773	2.865597	1.442513

-965.22799 Kick0060.log

1	-1.653068	3.144024	-1.683094
1	-0.664375	3.799944	-2.637821
8	-0.965106	3.788632	-1.748276
1	4.735651	-0.345701	1.178877
1	4.519971	2.101290	1.073533
1	2.549063	3.148871	0.039602
1	0.753516	1.792692	-0.895217
1	3.374811	-2.685157	0.398643
1	1.239115	-3.324606	-0.707517
1	-0.523551	-0.143813	-2.092931
1	-0.581611	-1.874545	-2.245758
1	-2.576299	-0.992971	-1.208838
6	3.869025	0.111564	0.734220
6	3.741308	1.478066	0.670735
6	2.615589	2.076650	0.083286
6	1.601082	1.311992	-0.441539
6	1.702354	-0.083121	-0.383435
6	2.838463	-0.658176	0.196846
7	2.704496	-2.018171	0.108698
6	1.522220	-2.308286	-0.523517
6	0.861489	-1.171817	-0.837642
6	-0.468647	-1.068343	-1.532797
1	-1.329214	-0.174097	1.289419
8	-2.057504	-2.429684	1.361575
8	-1.723622	-3.481102	-0.537738
6	-1.816057	-2.464287	0.060183
6	-1.691027	-1.100270	-0.593418
1	-2.126058	-3.316219	1.679985
1	-2.522988	1.472947	3.028015
1	-2.952180	2.794063	1.175857
1	-1.244453	2.901695	0.879943
1	-1.113616	2.257864	3.015429
8	-2.576209	1.500193	-0.998787
7	-1.705866	-0.037146	0.381084
6	-2.139813	1.188580	0.084612
6	-2.029031	2.223643	1.191918
7	-1.705336	1.655636	2.487498

-965.22858 Kick0099.log

1	5.071485	-1.456280	-0.772608
1	4.465966	-0.067503	-0.833570
8	4.672039	-0.831366	-1.350304
1	-4.750770	-0.654508	-1.838911
1	-5.349975	1.535601	-0.896447
1	-3.989856	2.559415	0.874493
1	-2.000011	1.429559	1.739123
1	-2.821717	-2.688389	-1.565248
1	-0.790663	-3.165364	-0.215640
1	-0.361150	-0.458021	2.540276
1	0.213799	-2.040261	2.117754
1	1.983264	-0.454440	1.986775
6	-4.150687	-0.205596	-1.067020
6	-4.479646	1.017842	-0.534548
6	-3.702490	1.602922	0.476378
6	-2.584584	0.968559	0.962547
6	-2.222386	-0.276425	0.435812
6	-3.016824	-0.843457	-0.568482
7	-2.468184	-2.053992	-0.893627
6	-1.359250	-2.262816	-0.116999
6	-1.151585	-1.213116	0.707435
6	-0.034747	-1.070091	1.706648
1	0.224921	1.194538	0.367237
8	1.893667	-0.950667	-1.094326
8	2.425122	-2.420789	0.461997
6	1.924108	-1.394409	0.144495
6	1.275324	-0.470065	1.169139
1	2.583559	-1.369302	-1.592283
1	0.447555	2.699849	-1.704995
1	2.667023	3.136656	-1.030253
1	2.047416	3.684156	0.503705
1	0.246765	4.037505	-0.829558
8	3.314485	1.229869	0.484117
7	1.109497	0.879318	0.690614
6	2.178902	1.599731	0.321196
6	1.893362	2.961001	-0.289766
7	0.537674	3.085522	-0.788807

-965.22860 Kick0020.log

1	-4.639589	-0.921238	-0.747569
1	-3.634776	-0.019702	-1.425020
8	-4.144254	-0.803850	-1.538771
1	4.844285	-0.258340	-1.668902
1	4.831736	-2.508472	-0.679051
1	3.143908	-3.141118	0.989636
1	1.422664	-1.548012	1.698414
1	3.447208	2.184946	-1.539366
1	1.491594	3.157855	-0.347759
1	0.265040	0.671323	2.383562
1	0.101401	2.342403	1.935397
1	-1.980711	1.063004	1.690717
6	4.101297	-0.534739	-0.941516

6	4.088167	-1.789997	-0.383378
6	3.122747	-2.151728	0.569021
6	2.157695	-1.259110	0.968622
6	2.145006	0.026023	0.414933
6	3.121425	0.366142	-0.528416
7	2.901725	1.665663	-0.898041
6	1.821950	2.149728	-0.206657
6	1.312762	1.196501	0.605732
6	0.138596	1.337410	1.538066
1	-0.675064	-0.581256	-0.364484
8	-2.509419	1.700859	-0.999430
8	-1.280302	3.229480	-0.020823
6	-1.639089	2.104203	-0.075562
6	-1.229079	1.018888	0.911784
1	-2.742171	2.445921	-1.532105
1	-2.195856	-2.238158	-1.878772
1	-3.048457	-3.052454	0.147882
1	-1.410547	-3.155803	0.748742
1	-1.124653	-3.392690	-1.505045
8	-3.065265	-0.996922	1.567110
7	-1.297763	-0.306146	0.359708
6	-2.214706	-1.215855	0.749366
6	-2.071757	-2.584495	0.103916
7	-1.494274	-2.511313	-1.222584

-965.22861 Kick0088.log

1	-3.662565	-0.008269	-1.410244
1	-4.644283	-0.927021	-0.722478
8	-4.159809	-0.800877	-1.519052
1	4.846580	-0.261530	-1.666995
1	4.831159	-2.512097	-0.678159
1	3.141525	-3.143856	0.989041
1	1.421289	-1.549390	1.697278
1	3.451469	2.182897	-1.537726
1	1.496110	3.157232	-0.346872
1	0.265920	0.671214	2.383060
1	0.103303	2.342342	1.934665
1	-1.979221	1.063467	1.689026
6	4.102819	-0.537535	-0.940249
6	4.088081	-1.793030	-0.382683
6	3.121629	-2.154253	0.568862
6	2.157144	-1.260884	0.968170
6	2.146098	0.024507	0.415055
6	3.123519	0.364104	-0.527437
7	2.905285	1.663977	-0.896706
6	1.825446	2.148753	-0.205907
6	1.314825	1.195696	0.605764
6	0.140230	1.337284	1.537439
1	-0.676486	-0.578948	-0.369444
8	-2.506853	1.701515	-1.001226
8	-1.276036	3.229337	-0.023454
6	-1.636142	2.104483	-0.077365
6	-1.227226	1.019196	0.910460
1	-2.737281	2.446523	-1.534992

1	-2.206147	-2.227439	-1.882830
1	-3.048288	-3.051369	0.145344
1	-1.407084	-3.154667	0.737421
1	-1.135550	-3.385899	-1.519542
8	-3.062304	-0.997678	1.566671
7	-1.295947	-0.305702	0.358204
6	-2.213211	-1.215314	0.746944
6	-2.072292	-2.582304	0.097660
7	-1.501618	-2.504814	-1.231548

-965.22938 Kick0067.log

1	-0.712886	3.515390	-1.596367
1	0.313625	3.966948	-2.627662
8	0.105364	3.974412	-1.712062
1	4.410818	-1.604856	1.072121
1	4.861115	0.809706	0.965878
1	3.229391	2.352294	-0.042949
1	1.122010	1.533032	-0.945093
1	2.456318	-3.489198	0.320853
1	0.202620	-3.525089	-0.734403
1	-0.671440	0.021352	-2.082776
1	-1.208031	-1.626208	-2.224824
1	-2.839531	-0.211287	-1.113266
6	3.691719	-0.929836	0.642009
6	3.936123	0.420751	0.578664
6	3.003876	1.302286	0.007968
6	1.812023	0.840018	-0.498994
6	1.532670	-0.530785	-0.435771
6	2.482467	-1.392345	0.124750
7	1.984392	-2.665071	0.044358
6	0.754288	-2.623476	-0.561964
6	0.418770	-1.350350	-0.866816
6	-0.853677	-0.885071	-1.520622
1	-1.376557	0.134447	1.366595
8	-2.679736	-1.797231	1.411461
8	-2.713033	-2.858584	-0.511344
6	-2.494305	-1.871405	0.102918
6	-2.002257	-0.585375	-0.535597
1	-2.994472	-2.631709	1.722251
1	-0.632034	2.435128	3.250332
1	-2.159003	3.071089	1.700073
1	-0.667042	3.432869	0.873505
1	0.402186	1.806073	2.186996
8	-1.989913	2.168483	-0.887657
7	-1.666640	0.406515	0.457203
6	-1.666332	1.712152	0.183580
6	-1.244189	2.630254	1.318922
7	-0.567125	1.928908	2.394334

-965.23196 Kick0079.log

1	-3.651530	-3.210828	0.688117
1	-4.179238	-3.604974	2.082464
8	-3.875780	-2.896117	1.548317
1	4.589407	-1.479226	1.506259

1	5.361499	0.825318	1.136800
1	4.059637	2.383908	-0.245041
1	1.950399	1.681864	-1.278493
1	2.484639	-3.209782	0.793897
1	0.385693	-3.147879	-0.543724
1	0.177845	0.163866	-2.532242
1	-0.582686	-1.397574	-2.430302
1	-2.116923	0.384311	-1.851972
6	4.015973	-0.797367	0.902988
6	4.441154	0.491848	0.691237
6	3.696966	1.382358	-0.097889
6	2.516383	0.990046	-0.681335
6	2.058258	-0.317040	-0.482227
6	2.819396	-1.188981	0.305241
7	2.170703	-2.393766	0.331536
6	1.031384	-2.301831	-0.426626
6	0.903333	-1.060300	-0.944371
6	-0.206761	-0.574431	-1.838243
1	-0.391390	1.136603	0.400515
8	-2.472269	-0.604529	0.923076
8	-2.417232	-2.060331	-0.729384
6	-2.142989	-0.987247	-0.284656
6	-1.402188	0.060962	-1.107492
1	-2.969094	-1.289904	1.362270
1	-1.236158	2.493854	2.454016
1	-2.274739	3.956169	0.908580
1	-0.738999	4.107906	0.096042
1	-0.081095	3.592246	2.210391
8	-2.702473	2.539526	-1.108273
7	-1.036198	1.226448	-0.350012
6	-1.791701	2.345123	-0.356134
6	-1.372450	3.416180	0.641102
7	-0.626759	2.885863	1.767470

-965.23205 Kick0015.log

1	-3.735441	-3.657159	2.160493
1	-3.622567	-3.200230	0.700218
8	-3.863491	-2.935575	1.573767
1	4.603112	-1.462057	1.486884
1	5.343219	0.858425	1.153630
1	4.018276	2.421116	-0.201323
1	1.917224	1.707106	-1.243256
1	2.527534	-3.212283	0.739837
1	0.422513	-3.156158	-0.589530
1	0.168996	0.173002	-2.531662
1	-0.579769	-1.394406	-2.435171
1	-2.125161	0.372322	-1.845282
6	4.019482	-0.778397	0.895555
6	4.426767	0.519702	0.704061
6	3.669333	1.412575	-0.069651
6	2.493300	1.013729	-0.657775
6	2.053267	-0.302544	-0.479194
6	2.827485	-1.176554	0.292977
7	2.195409	-2.390547	0.300886

6	1.055113	-2.302576	-0.456554
6	0.908533	-1.054473	-0.952963
6	-0.208087	-0.571470	-1.840107
1	-0.413045	1.131693	0.414595
8	-2.481665	-0.618566	0.922280
8	-2.395652	-2.081283	-0.721748
6	-2.137674	-1.002076	-0.281236
6	-1.405945	0.052417	-1.103475
1	-2.974826	-1.309353	1.358548
1	-1.281899	2.501377	2.453410
1	-2.297302	3.956432	0.887849
1	-0.751204	4.102407	0.094369
1	-0.118945	3.592785	2.217038
8	-2.700853	2.533696	-1.130249
7	-1.048983	1.219104	-0.343692
6	-1.801233	2.339991	-0.364803
6	-1.392748	3.413810	0.633875
7	-0.662569	2.886301	1.771760

-965.23212 Kick0025.log

1	-4.775301	-2.883122	1.821714
1	-4.512634	-2.311772	0.421040
8	-4.669927	-2.093193	1.325543
1	3.923957	-2.600754	1.476090
1	5.260036	-0.555298	1.205957
1	4.410480	1.341372	-0.104179
1	2.199375	1.245519	-1.161054
1	1.459541	-3.711730	0.675636
1	-0.553112	-3.046799	-0.631347
1	0.099258	0.376837	-2.374976
1	-1.000754	-0.966461	-2.453960
1	-2.079864	1.058397	-1.703504
6	3.545425	-1.767918	0.909594
6	4.286456	-0.621511	0.753606
6	3.799341	0.463614	0.007933
6	2.559520	0.413141	-0.583210
6	1.780980	-0.739762	-0.434882
6	2.291004	-1.813493	0.303077
7	1.356136	-2.812908	0.276277
6	0.282604	-2.396361	-0.472093
6	0.477234	-1.137655	-0.922494
6	-0.461485	-0.323649	-1.770637
1	-0.898412	1.216843	0.924057
8	-2.745990	-0.145930	0.953548
8	-3.024647	-1.326606	-0.883596
6	-2.499229	-0.428199	-0.301904
6	-1.501768	0.494669	-0.979630
1	-3.396848	-0.748084	1.307999
1	-1.198040	3.481571	2.219918
1	-0.093685	4.514379	0.406232
1	1.209857	3.375861	0.613748
1	0.338464	3.400539	2.699085
8	-0.408621	2.985095	-1.577301
7	-0.927757	1.429667	-0.044286

6	-0.438238	2.614876	-0.435383
6	0.133179	3.486935	0.673039
7	-0.303947	3.096050	2.000851

-965.23291 Kick0050.log

1	-4.740220	-3.009662	1.709533
1	-3.577540	-3.161514	0.725045
8	-3.811270	-2.916288	1.606651
1	4.583544	-1.438362	1.543422
1	5.369860	0.852376	1.121821
1	4.084909	2.382652	-0.306676
1	1.979126	1.666359	-1.335988
1	2.468153	-3.172265	0.870034
1	0.383666	-3.136415	-0.487679
1	0.197310	0.136870	-2.550502
1	-0.561841	-1.423759	-2.428568
1	-2.107188	0.354219	-1.887083
6	4.017476	-0.768820	0.919820
6	4.450616	0.512576	0.678816
6	3.716120	1.386937	-0.136980
6	2.537204	0.986281	-0.718034
6	2.070816	-0.313043	-0.488965
6	2.822580	-1.169150	0.324590
7	2.167946	-2.369762	0.375844
6	1.032863	-2.290626	-0.388949
6	0.914380	-1.061529	-0.938307
6	-0.190123	-0.591061	-1.847272
1	-0.332679	1.173848	0.304425
8	-2.412154	-0.608392	0.926291
8	-2.430318	-2.053312	-0.735282
6	-2.126199	-0.986162	-0.293812
6	-1.392099	0.052504	-1.134212
1	-2.901486	-1.294284	1.374644
1	-1.087810	2.477326	2.428554
1	-2.337255	3.874425	0.981865
1	-0.884449	4.124278	0.049720
1	-0.023630	3.642686	2.097845
8	-2.839107	2.434657	-1.001901
7	-1.031761	1.233726	-0.399326
6	-1.857492	2.300123	-0.330020
6	-1.427626	3.392770	0.638540
7	-0.562009	2.906479	1.696658

-1041.12048 Kick0052.log

1	0.102676	-2.573086	-1.231218
1	-2.032509	4.419927	1.188575
1	-4.355870	3.841084	0.633624
1	-4.877002	1.808615	-0.645865
1	-3.091707	0.294680	-1.377042
1	0.595331	3.469546	0.822432
1	1.751578	1.538165	-0.230246
1	-0.803126	-0.607812	-2.228087
1	0.911206	-0.428589	-2.020154
6	-2.259250	3.522206	0.640699
6	-3.555131	3.192132	0.326461
6	-3.853266	2.027315	-0.399266
6	-2.854206	1.175544	-0.807826
6	-1.525994	1.481034	-0.488992
6	-1.251168	2.655831	0.219645
7	0.106081	2.738363	0.370517
6	0.685531	1.647778	-0.227040
6	-0.256800	0.840110	-0.760574
6	-0.030427	-0.457649	-1.486064
1	-1.239977	-1.682755	1.147545
8	2.297970	-1.649836	-0.245709
8	1.048764	-1.751955	1.561636
6	1.130730	-1.707311	0.383743
6	-0.032113	-1.713865	-0.584149
1	2.989865	-1.669047	0.396317
1	-3.999229	-2.109719	2.517100
1	-3.609566	-3.567474	0.806891
1	-4.438293	-2.264355	-0.000312
1	-3.602391	-0.795011	1.671567
8	-2.469718	-2.663406	-1.532376
7	-1.242220	-1.883444	0.174719
6	-2.369041	-2.357056	-0.375273
6	-3.549011	-2.510227	0.572148
7	-3.394223	-1.762537	1.805164
1	8.348913	0.791692	-1.018119
1	5.223382	1.181605	-0.239344
8	8.793144	0.984719	-0.211395
1	9.618667	-0.487846	0.531355
1	5.417664	0.748437	0.318368
8	8.720315	-0.210744	0.480687

-1041.13253 Kick0191.log

1	1.915376	-1.375219	1.703612
1	-4.740596	0.161364	-1.903092
1	-4.842056	2.284646	-0.668690
1	-3.275562	2.751457	1.166505
1	-1.557649	1.117813	1.794917
1	-3.311150	-2.267868	-1.939857
1	-1.387618	-3.321941	-0.759106
1	-0.375457	-1.137089	2.286292
1	-0.101098	-2.723006	1.636562
6	-4.045385	0.368698	-1.108347

6	-4.096334	1.552717	-0.413436
6	-3.197776	1.821642	0.631653
6	-2.232151	0.908597	0.984146
6	-2.150944	-0.301641	0.286257
6	-3.066304	-0.554180	-0.742003
7	-2.794160	-1.799422	-1.238999
6	-1.741927	-2.336223	-0.535688
6	-1.297495	-1.466613	0.396961
6	-0.168112	-1.676687	1.370572
1	1.182848	0.489375	-0.395958
8	1.621570	-3.359257	-0.021005
8	3.059999	-1.640061	-0.495009
6	1.727984	-2.013653	-0.299609
6	1.220090	-1.212147	0.891047
1	1.916848	-3.850851	-0.766365
1	1.408851	3.484258	-0.908669
1	2.514624	2.864337	0.949263
1	0.945957	3.211602	1.615889
1	0.012404	2.774759	-0.498942
8	1.492285	0.959975	2.645545
7	1.254619	0.192246	0.548374
6	1.402382	1.160576	1.464572
6	1.470002	2.576037	0.908113
7	1.006327	2.687719	-0.461990
1	3.277631	4.477886	-2.439724
1	2.587225	5.814285	-2.217018
8	2.717826	4.956930	-1.855799
1	4.353944	-2.574901	-1.401294
1	1.184470	-1.772463	-1.206696
8	3.493236	-2.284460	-1.646826

-1041.23659 Kick0061.log

1	-0.614291	-2.483162	-1.229837
1	4.670972	2.622249	1.201913
1	3.031922	4.407876	0.783314
1	0.903228	3.922530	-0.345717
1	0.352521	1.644358	-1.062503
1	5.040738	-0.129961	0.781933
1	3.832699	-2.043067	-0.256053
1	0.887147	-0.896546	-2.292008
1	1.696129	-2.339645	-1.744711
6	3.740507	2.410480	0.704381
6	2.819750	3.401864	0.466156
6	1.605573	3.124947	-0.180343
6	1.296661	1.851280	-0.596561
6	2.219407	0.822621	-0.370682
6	3.424538	1.122068	0.276213
7	4.147472	-0.036465	0.368414
6	3.428963	-1.051500	-0.211468
6	2.246905	-0.595441	-0.677408
6	1.224164	-1.423783	-1.406302
1	-0.669505	-0.309776	0.604342
8	0.824428	-3.765370	0.364167
8	0.226287	-2.166621	1.752455

6	0.322724	-2.564128	0.644865
6	-0.047471	-1.797757	-0.612101
1	1.050260	-4.192136	1.175317
1	-3.194908	2.364688	-0.695871
1	-2.807263	0.710457	0.883009
1	-4.940778	0.744941	0.140254
1	-2.959092	1.353347	-1.930921
8	-2.733559	-1.902364	0.255902
7	-0.864708	-0.643256	-0.315778
6	-2.265133	-0.823167	-0.505811
6	-3.045828	0.437363	-0.141154
7	-2.703119	1.544503	-0.983816
1	-6.404597	2.831545	0.623623
1	-5.662033	2.461476	1.901744
8	-5.665488	2.363178	0.966794
1	-2.443158	-1.032922	-1.560427
1	-3.674811	-1.895994	0.240099
8	-4.398824	0.060825	-0.219063

-1041.26464 Kick0067.log

1	-2.091993	-1.145206	-1.712951
1	5.218301	0.603178	0.327163
1	4.565040	2.946038	-0.049056
1	2.241608	3.533093	-0.578628
1	0.527175	1.762332	-0.721179
1	4.253303	-1.876146	-0.081997
1	2.359223	-2.320006	-1.467051
1	0.198214	-0.621985	-2.154241
1	-0.001708	-2.274733	-1.659464
6	4.195671	0.854486	0.107869
6	3.819555	2.172357	-0.104705
6	2.507904	2.507050	-0.399519
6	1.540997	1.511011	-0.474097
6	1.897400	0.197099	-0.255153
6	3.223142	-0.126836	0.021768
7	3.374588	-1.498740	0.190228
6	2.201258	-2.126430	-0.406349
6	1.079947	-1.088024	-0.224390
6	-0.017198	-1.252817	-1.300627
1	-1.398097	0.632583	0.477713
8	-1.724649	-3.185443	-0.088501
8	-2.567346	-1.607499	1.189534
6	-1.962130	-1.922628	0.219458
6	-1.459036	-0.968113	-0.853838
1	-2.056809	-3.736352	0.602529
1	-2.656500	3.445049	1.467250
1	-4.094732	2.165811	0.250510
1	-3.276490	3.133412	-0.942454
1	-1.397234	3.212162	0.506433
8	-3.367427	0.783569	-1.900139
7	-1.699590	0.391963	-0.436170
6	-2.743961	1.097445	-0.929788
6	-3.124561	2.370519	-0.185829
7	-2.212959	2.770988	0.878958

1	-1.615452	-0.129740	2.653366
1	-1.403852	1.363298	2.431796
8	-0.969170	0.557539	2.661446
1	1.941743	-3.050468	0.090160
1	0.455122	-0.532507	1.575717
8	0.509208	-1.311916	1.045720

-1041.27029 Kick0132.log

1	-0.390762	2.696057	1.489840
1	3.344511	-3.104985	-1.957364
1	1.649191	-4.657093	-1.084690
1	0.001009	-3.913286	0.585724
1	-0.005867	-1.620524	1.403695
1	4.196235	-0.434767	-1.684930
1	3.566401	1.605769	-0.412962
1	0.793205	0.742405	2.177347
1	1.910852	2.016314	1.802038
6	2.617837	-2.776520	-1.234977
6	1.667829	-3.637723	-0.741976
6	0.724638	-3.213701	0.207927
6	0.718359	-1.918260	0.667892
6	1.668289	-1.016426	0.172908
6	2.607343	-1.464901	-0.762266
7	3.430617	-0.412263	-1.059333
6	3.033202	0.680105	-0.331293
6	1.959456	0.378806	0.430981
6	1.224261	1.304844	1.360463
1	-0.982300	1.181001	-0.884969
8	1.444986	3.928412	0.164013
8	0.243149	3.086863	-1.474467
6	0.570395	3.065160	-0.339683
6	0.066943	2.098290	0.709795
1	1.712769	4.522788	-0.518961
1	-5.679303	0.197766	-3.071389
1	-3.780990	0.303178	0.076979
1	-2.978624	-1.153825	0.589308
1	-1.856458	-1.200521	-1.459942
8	-1.901550	0.654889	2.030905
7	-0.939954	1.267183	0.104725
6	-1.846068	0.603188	0.822272
6	-2.838902	-0.232125	0.033044
7	-2.462859	-0.414891	-1.352882
1	-2.193507	-1.060091	2.956209
1	-1.571354	-2.061143	3.916126
8	-2.150546	-1.977605	3.181674
1	-3.272135	-0.560173	-1.917814
1	-6.062894	-1.081208	-2.341549
8	-5.340552	-0.532846	-2.587226

-1041.27327 Kick0194.log

1	-1.590587	1.150666	2.170178
1	4.479806	-0.112164	-2.390209
1	4.663248	-2.361710	-1.418151
1	3.347896	-2.991901	0.559336

1	1.799483	-1.398373	1.595768
1	3.150854	2.338157	-1.971335
1	1.462539	3.305404	-0.425263
1	0.740635	0.792817	2.463361
1	0.459549	2.455014	2.051720
6	3.892337	-0.389806	-1.532825
6	3.989646	-1.644860	-0.983730
6	3.232878	-2.007134	0.142977
6	2.362362	-1.116042	0.723911
6	2.234608	0.165972	0.176425
6	3.010362	0.510172	-0.935379
7	2.724754	1.810822	-1.251056
6	1.799660	2.290654	-0.358808
6	1.451803	1.331855	0.527485
6	0.459094	1.449395	1.650999
1	-1.177880	-0.385871	-0.243253
8	-1.524604	3.302572	0.720336
8	-2.080494	1.781652	-0.760319
6	-1.589101	2.057318	0.285260
6	-0.992058	1.076375	1.269562
1	-1.940014	3.874477	0.093957
1	-1.263503	-3.483308	-1.012815
1	-2.437280	-2.889397	0.867042
1	-0.871169	-3.405957	1.450962
1	0.039927	-2.617910	-0.632328
8	-1.142067	-1.264955	2.734541
7	-1.131241	-0.251757	0.737787
6	-1.198716	-1.331984	1.538612
6	-1.377314	-2.667665	0.837678
7	-0.955802	-2.651353	-0.554388
1	-4.376897	0.729319	-3.011392
1	-3.722211	0.990073	-1.661938
8	-4.424538	0.533362	-2.094064
1	-4.246127	-1.429442	-1.689233
1	-2.877221	-2.060622	-1.580724
8	-3.798097	-2.252476	-1.574878

-1041.27387 Kick0020.log

1	-2.649912	1.600254	-1.159885
1	3.871255	-2.155264	0.008607
1	5.034427	0.010673	-0.010272
1	3.899256	2.043637	-0.796717
1	1.567594	1.968539	-1.546727
1	1.299334	-3.242542	-0.448689
1	-0.846254	-2.564804	-1.440048
1	-0.692019	1.251463	-2.410187
1	-1.707101	-0.117685	-2.730592
6	3.369498	-1.264901	-0.326124
6	4.012571	-0.050489	-0.339518
6	3.362149	1.112103	-0.783817
6	2.054617	1.071171	-1.208831
6	1.372495	-0.150976	-1.189290
6	2.045967	-1.300874	-0.761680
7	1.179812	-2.355472	-0.872831

6	-0.027799	-1.885461	-1.315913
6	0.024616	-0.553646	-1.534022
6	-1.095570	0.350822	-1.967668
1	-1.024059	0.604285	1.044421
8	-3.901211	-0.532486	-1.236350
8	-2.759343	-1.028696	0.573590
6	-2.914146	-0.339545	-0.382646
6	-2.017645	0.802148	-0.799363
1	-4.422085	-1.269778	-0.957703
1	0.971523	1.812921	3.187550
1	-0.584273	3.277032	2.356869
1	0.818895	3.524494	1.348073
1	1.420606	1.263157	1.747994
8	-0.931736	3.332278	-0.427252
7	-1.297754	1.263938	0.357160
6	-0.756630	2.495128	0.412335
6	0.078554	2.791552	1.648570
7	0.637651	1.601164	2.270628
1	-1.340271	-3.571345	2.342478
1	-1.509218	-2.517032	1.262684
8	-0.937230	-3.196967	1.579834
1	0.245955	-1.898651	2.735821
1	0.198640	-0.419461	3.088224
8	0.374230	-1.277816	3.432829

-1041.27467 Kick0049.log

1	-2.975803	0.010305	-1.261234
1	4.154907	-2.190956	0.907810
1	5.009666	0.053473	0.379370
1	3.584607	1.708728	-0.762715
1	1.294397	1.175637	-1.379390
1	1.850683	-3.777063	0.561584
1	-0.442367	-3.560450	-0.366487
1	-0.772019	-0.087832	-2.156685
1	-1.520113	-1.651878	-2.192431
6	3.529527	-1.466124	0.416946
6	4.000485	-0.209312	0.116645
6	3.188799	0.736392	-0.531837
6	1.892752	0.434432	-0.884123
6	1.389193	-0.837929	-0.590210
6	2.218644	-1.768184	0.049040
7	1.502827	-2.925059	0.198692
6	0.258802	-2.750734	-0.355523
6	0.122558	-1.496344	-0.836953
6	-1.078225	-0.915033	-1.533443
1	-1.840022	0.476494	1.286273
8	-3.328910	-2.450065	-0.581144
8	-2.920066	-1.528542	1.373370
6	-2.838942	-1.491878	0.195147
6	-2.199645	-0.382642	-0.612177
1	-3.745626	-3.100261	-0.037720
1	-1.420607	2.939500	3.036303
1	-1.982429	3.621547	0.973587
1	-0.277523	3.398012	0.718020

1	-0.209960	1.978721	2.560039
8	-1.501139	2.233821	-1.244712
7	-1.782340	0.644664	0.307552
6	-1.503455	1.888334	-0.084409
6	-1.187514	2.885374	1.017577
7	-1.132643	2.292099	2.336501
1	-0.022513	3.311144	-1.947167
1	0.883598	3.647624	-3.121465
8	0.834422	3.633692	-2.183788
1	1.463104	0.066305	2.670003
1	2.211356	1.131219	1.908787
8	1.651177	0.987305	2.651803

-1041.27706 Kick0036.log

1	-2.543003	-0.086043	0.344266
1	5.060964	-1.228860	-0.104799
1	5.285199	0.976611	-1.165940
1	3.303668	2.217687	-1.923045
1	1.052978	1.296310	-1.611586
1	3.086836	-3.099269	0.634380
1	0.610469	-3.319498	0.579522
1	-0.937365	-0.371696	-1.420353
1	-1.403077	-1.895005	-0.753392
6	4.190962	-0.680437	-0.420780
6	4.308442	0.552622	-1.015013
6	3.175584	1.264774	-1.440991
6	1.912408	0.751220	-1.263645
6	1.762753	-0.496315	-0.647498
6	2.907185	-1.196249	-0.248458
7	2.496391	-2.386667	0.285318
6	1.126893	-2.450726	0.224800
6	0.620473	-1.324269	-0.322220
6	-0.831310	-1.001730	-0.546724
1	-0.294560	1.042023	1.757654
8	-2.162128	-2.255929	1.693422
8	-1.074652	-0.795293	2.926611
6	-1.539880	-1.104255	1.884132
6	-1.512402	-0.261059	0.626478
1	-2.177015	-2.736166	2.506161
1	0.956726	3.802903	2.287757
1	-1.072471	3.961876	1.280941
1	-0.016491	3.891813	-0.101844
1	1.557131	2.734559	1.236665
8	-1.815113	2.220596	-0.680994
7	-0.887130	0.997078	0.960547
6	-1.084968	2.121098	0.279223
6	-0.334602	3.344535	0.780417
7	0.727617	3.023274	1.711368
1	-4.721988	1.384824	-1.822599
1	-3.210101	1.339906	-1.615290
8	-3.953565	0.863022	-1.957804
1	-3.887021	-1.039032	-2.167969
1	-3.410691	-2.028937	-3.210892
8	-3.720487	-1.956778	-2.327310

-1041.27800 Kick0082.log

1	-2.979368	-0.391301	-1.450637
1	4.347822	-1.335219	0.835396
1	4.936840	0.772098	-0.286878
1	3.326785	1.913025	-1.751445
1	1.088853	0.983210	-2.121394
1	2.218290	-3.170575	1.039644
1	-0.088860	-3.455197	0.165360
1	-0.843984	-0.687798	-2.477544
1	-1.477059	-2.208996	-1.932802
6	3.638461	-0.833637	0.201054
6	3.960583	0.344672	-0.430962
6	3.039915	0.997070	-1.267449
6	1.783917	0.478278	-1.475373
6	1.428886	-0.717226	-0.841082
6	2.365478	-1.357455	-0.021346
7	1.787950	-2.505999	0.446692
6	0.520217	-2.604763	-0.066964
6	0.237749	-1.539681	-0.849066
6	-1.042468	-1.276447	-1.593431
1	-1.628051	0.921235	0.673140
8	-3.192039	-2.450866	0.012148
8	-2.453816	-1.050419	1.531743
6	-2.594196	-1.334815	0.387201
6	-2.126473	-0.513511	-0.792402
1	-3.472140	-2.927390	0.778096
1	-0.923430	3.883420	1.443399
1	-2.056193	3.801346	-0.556327
1	-0.389927	3.569602	-1.005238
1	-0.018360	2.590203	1.144811
8	-1.735000	1.791678	-2.300116
7	-1.707800	0.772951	-0.304028
6	-1.577154	1.840227	-1.110567
6	-1.204157	3.143975	-0.423731
7	-0.920378	2.995723	0.989390
1	1.237710	1.177106	2.521933
1	2.372516	1.517341	1.553852
8	1.710574	1.885118	2.110390
1	-0.938268	-0.316159	2.794021
1	-0.920459	1.044663	3.453689
8	-0.391679	0.289556	3.265744

-1041.27822 Kick0007.log

1	-2.514709	-0.299563	-0.034061
1	5.160735	-1.039854	-0.031126
1	5.351850	1.353808	-0.555665
1	3.374570	2.664921	-1.196565
1	1.158870	1.621007	-1.304629
1	3.234568	-3.092205	0.104809
1	0.787443	-3.379752	-0.224469
1	-0.750774	-0.109395	-1.664227
1	-1.167811	-1.770219	-1.409470
6	4.291505	-0.464821	-0.298131

6	4.390420	0.873281	-0.592948
6	3.259450	1.623659	-0.953277
6	2.015533	1.040798	-1.012028
6	1.884083	-0.317975	-0.703327
6	3.027422	-1.049538	-0.362661
7	2.638605	-2.342131	-0.141061
6	1.283906	-2.437395	-0.337685
6	0.765028	-1.236022	-0.672563
6	-0.679198	-0.919892	-0.951889
1	-0.520471	0.485909	1.870935
8	-2.124492	-2.740620	0.732437
8	-1.314340	-1.595251	2.425762
6	-1.619601	-1.645561	1.284818
6	-1.503859	-0.511544	0.290047
1	-2.225851	-3.398605	1.401939
1	0.564193	3.032936	3.210283
1	-1.292416	3.422325	1.959223
1	-0.030313	3.694488	0.789382
1	1.360191	2.249030	2.044891
8	-1.613514	2.205471	-0.473540
7	-0.964128	0.629305	0.992762
6	-1.069616	1.880501	0.558032
6	-0.459579	2.948515	1.451153
7	0.456991	2.413562	2.437278
1	-4.613120	-1.429533	-1.413603
1	-4.457274	0.075234	-1.551919
8	-4.755935	-0.612360	-0.972974
1	-2.770798	1.656278	-1.849726
1	-3.651438	2.036063	-3.040321
8	-3.370556	1.320002	-2.502408

-1041.27826 Kick0198.log

1	-2.167617	-1.820351	-1.493865
1	4.745191	0.277484	1.302478
1	4.569336	2.445994	0.155087
1	2.783394	2.861051	-1.481747
1	1.135583	1.144424	-2.002568
1	3.483058	-2.228200	1.421013
1	1.538990	-3.392186	0.399901
1	0.040220	-1.340110	-2.473815
1	-0.075710	-2.884142	-1.691375
6	3.959384	0.461419	0.591223
6	3.855247	1.669898	-0.054612
6	2.835343	1.907431	-0.988628
6	1.905516	0.938119	-1.281297
6	1.978455	-0.298620	-0.629321
6	3.013341	-0.515868	0.289295
7	2.885578	-1.792733	0.763846
6	1.801379	-2.379728	0.168369
6	1.199138	-1.520433	-0.682648
6	-0.027935	-1.819569	-1.503481
1	-0.767020	0.634147	-0.962239
8	-1.643549	-3.344822	0.405576
8	-1.612303	-1.463117	1.531017

6	-1.557762	-2.024930	0.489726
6	-1.378730	-1.399015	-0.883229
1	-1.782151	-3.700374	1.269300
1	-1.076592	3.005520	-0.183927
1	-3.308712	2.455122	0.060021
1	-3.455007	2.321852	-1.667907
1	-1.577914	3.524684	-1.625393
8	-3.760916	-0.050830	-0.588858
7	-1.539230	0.024089	-0.849328
6	-2.757853	0.590021	-0.737626
6	-2.798950	2.106704	-0.832544
7	-1.501575	2.719736	-1.043672
1	-2.624281	1.237097	3.016245
1	-1.689267	0.349850	2.202679
8	-1.801468	1.216023	2.564805
1	0.782786	2.829703	1.516701
1	-0.610353	2.616909	2.098506
8	-0.058862	3.231660	1.634162

-1041.27840 Kick0019.log

1	2.562637	1.411392	-1.343586
1	-4.726436	0.162329	0.994495
1	-4.737870	-2.006552	-0.162052
1	-2.897589	-2.644748	-1.659731
1	-0.989213	-1.145732	-2.014750
1	-3.178941	2.500673	1.213347
1	-1.045357	3.418491	0.329550
1	0.416511	1.020442	-2.366388
1	0.587883	2.648433	-1.791539
6	-3.915948	-0.119099	0.345814
6	-3.915038	-1.329203	-0.303248
6	-2.860706	-1.695043	-1.156660
6	-1.789582	-0.855636	-1.357970
6	-1.763131	0.381937	-0.705498
6	-2.832653	0.731247	0.127700
7	-2.587176	1.986940	0.609674
6	-1.400263	2.436406	0.090941
6	-0.843464	1.499754	-0.708698
6	0.449081	1.623870	-1.469028
1	1.595178	-0.473475	0.584036
8	2.012892	3.307795	0.290493
8	1.975260	1.595052	1.662853
6	1.910835	2.015909	0.555966
6	1.718554	1.194330	-0.700078
1	2.153380	3.779034	1.096874
1	2.695812	-3.448748	1.127791
1	3.564283	-2.703258	-0.794189
1	1.987692	-3.188412	-1.334783
1	1.191562	-2.955466	0.852065
8	2.587226	-0.853084	-2.331806
7	1.765746	-0.202638	-0.353307
6	2.288886	-1.110795	-1.198489
6	2.506402	-2.515679	-0.656938
7	2.155061	-2.705931	0.739497

1	1.124396	0.004675	2.881760
1	1.610129	-1.406608	2.604073
8	0.882079	-0.903735	2.931375
1	-0.578923	-2.085642	2.083321
1	-1.333590	-2.530873	0.829583
8	-0.789307	-2.827598	1.536610

-1041.27858 Kick0197.log

1	1.255028	2.346421	-1.588948
1	-4.383201	-1.804866	1.627369
1	-4.043065	-3.496618	-0.122274
1	-2.599620	-3.038183	-2.055956
1	-1.440136	-0.888045	-2.273367
1	-3.618441	0.823503	2.291898
1	-2.210610	2.648849	1.364992
1	-0.971310	1.696881	-2.183372
1	-1.032534	3.060686	-1.109046
6	-3.744208	-1.604287	0.785613
6	-3.549614	-2.544117	-0.196434
6	-2.720931	-2.283303	-1.299842
6	-2.072856	-1.078520	-1.425227
6	-2.247882	-0.104061	-0.435251
6	-3.087112	-0.382092	0.649162
7	-3.109933	0.727988	1.448748
6	-2.311550	1.692714	0.892514
6	-1.752372	1.244939	-0.253562
6	-0.814960	2.001729	-1.155542
1	0.645777	-0.226885	-0.320688
8	0.785120	3.688892	0.564931
8	1.568855	1.815557	1.398977
6	1.067203	2.395867	0.496377
6	0.683580	1.801828	-0.850773
1	1.075449	4.024812	1.398504
1	2.257121	-2.898085	0.033542
1	3.638505	-1.332686	-0.666837
1	2.939867	-1.786478	-2.190746
1	1.076426	-2.604895	-1.033929
8	2.995553	0.816563	-2.041056
7	1.081720	0.425534	-0.927821
6	2.286461	0.066523	-1.435833
6	2.705882	-1.377006	-1.212131
7	1.761258	-2.176273	-0.448023
1	2.104121	-0.054953	2.280926
1	1.616718	-1.337373	1.641669
8	2.106117	-0.992898	2.371462
1	3.527866	-2.254408	2.033174
1	4.316986	-3.556470	2.180517
8	3.927342	-2.971018	1.559163

-1041.27883 Kick0034.log

1	-3.017928	-0.445722	-1.350133
1	4.434132	-1.055495	0.614241
1	4.834303	1.190583	-0.304713
1	3.091864	2.357218	-1.584462

1	0.907880	1.310351	-1.975915
1	2.507216	-3.112230	0.517621
1	0.143826	-3.430547	-0.179777
1	-0.905161	-0.464429	-2.469726
1	-1.411223	-2.074297	-2.059615
6	3.670440	-0.546940	0.053053
6	3.885581	0.709825	-0.462332
6	2.888913	1.377072	-1.192483
6	1.663539	0.793108	-1.413898
6	1.423365	-0.487170	-0.904827
6	2.429414	-1.134137	-0.183258
7	1.941196	-2.358593	0.212105
6	0.678520	-2.513279	-0.324765
6	0.295071	-1.395926	-0.974231
6	-1.028724	-1.149704	-1.644289
1	-1.789185	0.804865	0.849067
8	-3.025813	-2.626468	-0.077841
8	-2.285675	-1.334091	1.535719
6	-2.477570	-1.513772	0.378508
6	-2.130673	-0.551474	-0.734942
1	-3.234331	-3.192034	0.649448
1	-1.732302	3.663795	1.909572
1	-2.453141	3.718239	-0.220324
1	-0.740224	3.664450	-0.510084
1	-0.438662	2.737599	1.623336
8	-1.866274	1.890952	-2.049420
7	-1.795789	0.714676	-0.140333
6	-1.757603	1.853722	-0.853003
6	-1.561945	3.126794	-0.043642
7	-1.395882	2.893637	1.375118
1	-0.497616	-0.785732	2.680721
1	0.842758	-1.297012	2.195267
8	0.433313	-0.709705	2.805528
1	1.123940	1.113776	2.543569
1	2.010156	1.776371	1.501638
8	1.395331	1.949749	2.191351

-1041.27940 Kick0053.log

1	-2.389041	-1.293688	-1.748019
1	4.380285	0.050828	2.106616
1	5.739150	0.265882	0.069725
1	4.748447	-0.081991	-2.149741
1	2.378793	-0.668966	-2.387212
1	1.760004	-0.653470	2.910383
1	-0.443702	-1.103415	1.874798
1	-0.210389	-0.478559	-1.924667
1	-0.154406	-2.183060	-1.611687
6	3.943523	-0.106272	1.136264
6	4.696649	0.014459	-0.007891
6	4.130117	-0.182069	-1.275926
6	2.800525	-0.508182	-1.410471
6	2.013588	-0.639844	-0.261758
6	2.597457	-0.432613	0.991103
7	1.612730	-0.588410	1.933555

6	0.439741	-0.934773	1.296893
6	0.617972	-0.961879	-0.039643
6	-0.359571	-1.220922	-1.153489
1	-2.643680	-0.017609	0.779453
8	-2.127812	-3.506324	-0.590061
8	-2.670536	-2.293107	1.163831
6	-2.270122	-2.359685	0.051768
6	-1.861993	-1.181024	-0.807368
1	-2.374548	-4.216187	-0.017999
1	-3.504477	2.668805	1.974640
1	-3.864776	2.496390	-0.265948
1	-2.298248	3.262728	-0.208139
1	-1.931349	2.303194	1.869071
8	-1.857110	1.409841	-1.860040
7	-2.304483	0.024936	-0.154121
6	-2.272656	1.225468	-0.739596
6	-2.843035	2.370118	0.079493
7	-2.838648	2.097417	1.501523
1	0.716276	1.840727	1.614834
1	0.398083	2.860637	0.539103
8	0.195933	2.600682	1.427591
1	1.373526	2.396877	-1.703192
1	-0.146124	2.520609	-1.788850
8	0.632752	2.888404	-1.398340

-1041.27968 Kick0066.log

1	-2.735951	-1.017545	-1.434564
1	4.566566	-0.630401	1.051854
1	4.830661	1.488741	-0.166589
1	3.103062	2.268865	-1.728612
1	1.062504	0.960914	-2.098166
1	2.771112	-2.791248	1.295794
1	0.561868	-3.491263	0.399313
1	-0.554709	-1.039027	-2.412409
1	-0.959665	-2.599725	-1.770316
6	3.804884	-0.287837	0.373921
6	3.946460	0.894816	-0.312986
6	2.957825	1.341390	-1.205208
6	1.811945	0.611193	-1.411282
6	1.639583	-0.593824	-0.721273
6	2.643967	-1.028111	0.151369
7	2.248851	-2.231304	0.669530
6	1.030687	-2.565032	0.134695
6	0.600855	-1.601620	-0.709640
6	-0.683895	-1.590458	-1.490997
1	-1.525244	0.661347	0.545875
8	-2.560303	-2.984684	0.211177
8	-2.302496	-1.293112	1.585574
6	-2.261480	-1.725492	0.481854
6	-1.887820	-0.950426	-0.763018
1	-2.808619	-3.423028	1.010121
1	-1.754621	3.826600	1.027760
1	-2.801753	3.263708	-0.892783
1	-1.144580	3.384052	-1.403168

1	-0.470157	2.889898	0.809346
8	-2.144848	1.236131	-2.440515
7	-1.697806	0.429443	-0.400923
6	-1.899102	1.425679	-1.281088
6	-1.814443	2.844268	-0.739643
7	-1.460365	2.944736	0.665091
1	0.723301	1.731380	2.463194
1	1.884207	1.766344	1.467053
8	1.248595	2.294656	1.914658
1	-1.470593	0.185751	2.935322
1	-1.567452	1.657179	2.567908
8	-1.076134	1.029516	3.073727

-1041.28032 Kick0173.log

1	-2.771443	-0.448811	-1.402125
1	4.388621	-1.864811	1.377313
1	5.231424	0.271872	0.499597
1	3.836222	1.669667	-0.965167
1	1.566144	0.990004	-1.558004
1	2.100833	-3.504611	1.281998
1	-0.135945	-3.524276	0.216384
1	-0.485296	-0.252974	-2.011096
1	-1.021832	-1.894326	-2.152800
6	3.774834	-1.250479	0.742287
6	4.238595	-0.055933	0.247944
6	3.440491	0.744204	-0.586317
6	2.164926	0.358460	-0.927451
6	1.666639	-0.852808	-0.434742
6	2.484284	-1.639231	0.385054
7	1.782428	-2.768308	0.703389
6	0.552395	-2.712511	0.098857
6	0.417542	-1.565090	-0.601977
6	-0.758056	-1.126236	-1.435644
1	-1.837801	0.128815	1.256581
8	-2.924325	-2.927947	-0.759012
8	-2.840781	-1.997278	1.232158
6	-2.636421	-1.932036	0.070337
6	-2.039863	-0.748609	-0.660661
1	-3.321067	-3.630576	-0.268529
1	-1.825495	2.591565	3.070482
1	-3.039506	2.839415	1.176589
1	-1.510224	3.527020	0.691289
1	-0.449261	2.269479	2.290471
8	-1.969940	1.966851	-1.239421
7	-1.880675	0.327264	0.283178
6	-1.924859	1.608942	-0.082287
6	-1.983092	2.620434	1.048740
7	-1.436510	2.111933	2.287986
1	1.880169	2.345151	0.953704
1	1.053344	3.354781	0.182502
8	1.242497	3.029116	1.050591
1	-0.476012	3.127685	-1.696027
1	0.311268	4.343962	-2.196105
8	0.350633	3.588022	-1.641036

-1041.28037 Kick0121.log

1	1.321855	-2.688918	-0.944773
1	0.613169	4.765355	0.861281
1	-1.823257	4.451295	0.939080
1	-2.853667	2.357970	0.126288
1	-1.481328	0.566798	-0.775580
1	2.959183	3.420635	0.064156
1	3.612707	1.237206	-0.927537
1	0.450610	-0.731811	-2.008286
1	2.177905	-0.787187	-2.170771
6	0.165200	3.851256	0.512487
6	-1.196054	3.668072	0.551627
6	-1.787209	2.480474	0.089504
6	-1.011739	1.462128	-0.410966
6	0.379523	1.614384	-0.449070
6	0.942711	2.811297	0.004601
7	2.299478	2.719099	-0.161039
6	2.596995	1.497254	-0.706957
6	1.471175	0.774823	-0.897407
6	1.377256	-0.615605	-1.462193
1	0.596239	-1.335558	1.492370
8	3.761321	-1.966791	-0.531620
8	2.904671	-1.697611	1.476829
6	2.749614	-1.793974	0.309993
6	1.420196	-1.750305	-0.411969
1	4.565050	-2.007037	-0.037647
1	-1.771092	-1.285355	3.430439
1	-2.052633	-2.866885	1.840609
1	-2.786092	-1.486599	1.062538
1	-1.502265	-0.082903	2.394397
8	-1.247575	-2.452183	-0.738955
7	0.379036	-1.665154	0.579760
6	-0.880035	-2.017087	0.331247
6	-1.860002	-1.861464	1.481044
7	-1.334883	-1.052672	2.565262
1	-4.281201	-0.355379	-0.772984
1	-5.414820	-0.050788	0.196015
8	-4.522672	0.155667	-0.012014
1	-3.377913	-1.387768	-2.924327
1	-2.869238	-2.035407	-1.638679
8	-3.607546	-1.593344	-2.037504

-1041.28081 Kick0113.log

1	-1.191987	1.806532	-1.676850
1	3.411451	-3.541968	1.415988
1	5.271415	-1.937210	1.327741
1	5.051643	0.180031	0.099351
1	2.961650	0.752086	-1.050070
1	0.768993	-3.867368	0.486709
1	-0.902600	-2.614199	-0.860889
1	0.744684	0.581981	-2.368749
1	-0.683792	-0.388775	-2.553248
6	3.308540	-2.610273	0.887643

6	4.343815	-1.708352	0.833672
6	4.216217	-0.496358	0.136384
6	3.044777	-0.172540	-0.507322
6	1.970597	-1.067967	-0.458279
6	2.124983	-2.276445	0.230923
7	0.954827	-2.973751	0.105952
6	0.075116	-2.233830	-0.644489
6	0.633095	-1.059844	-1.011599
6	-0.009415	0.034218	-1.819956
1	-0.135692	1.498241	0.968449
8	-2.803674	-0.144165	-1.151849
8	-2.174116	0.448055	0.876167
6	-1.990436	0.431116	-0.299151
6	-0.799327	1.068682	-0.986232
1	-3.542505	-0.543197	-0.688143
1	1.784805	3.032723	2.897774
1	1.132979	4.263690	1.085885
1	2.617314	3.532757	0.538217
1	2.194120	1.731832	2.036977
8	1.076410	3.094068	-1.407865
7	-0.003413	1.733466	0.012797
6	0.871709	2.699985	-0.291019
6	1.613510	3.311365	0.888519
7	1.555725	2.498187	2.088279
1	-8.077288	-1.172907	0.977326
1	-7.821065	0.228322	0.433648
8	-7.418497	-0.517084	0.840224
1	-4.195988	-0.782427	1.303343
1	-5.574369	-0.951391	0.648678
8	-4.652977	-1.147450	0.565087

-1041.28112 Kick0175.log

1	-2.310506	1.094872	-0.814910
1	4.283660	-2.700579	0.406543
1	5.462357	-0.546049	0.507157
1	4.336755	1.537729	-0.149077
1	2.002069	1.519497	-0.898269
1	1.776624	-3.781219	-0.297007
1	-0.433049	-2.990004	-1.115094
1	-0.243663	0.801982	-1.983666
1	-1.285317	-0.562080	-2.224950
6	3.784474	-1.788031	0.131484
6	4.436852	-0.580013	0.184862
6	3.791716	0.611231	-0.184552
6	2.481690	0.603485	-0.602666
6	1.789471	-0.611722	-0.654205
6	2.457436	-1.788411	-0.295894
7	1.580597	-2.825432	-0.459237
6	0.385035	-2.328458	-0.914017
6	0.446306	-0.985159	-1.044063
6	-0.658488	-0.068665	-1.494313
1	-0.718973	0.714184	1.551026
8	-3.037044	-1.380283	-0.566128
8	-2.303182	-0.929382	1.462375

6	-2.332644	-0.687792	0.296363
6	-1.573191	0.445703	-0.360114
1	-3.511612	-2.079069	-0.121298
1	0.888859	2.387062	3.595719
1	-0.380046	3.666870	2.204512
1	1.130029	3.590469	1.339428
1	1.565604	1.522338	2.413570
8	-0.543310	3.071693	-0.465007
7	-0.863363	1.160522	0.674889
6	-0.406537	2.402692	0.532555
6	0.320099	2.984860	1.734415
7	0.726861	1.982797	2.699404
1	-1.879361	3.133820	-1.905538
1	-2.108621	3.065106	-3.406651
8	-2.519729	2.936969	-2.572333
1	-4.933182	-3.302898	1.597718
1	-3.562811	-2.685991	1.897300
8	-4.061834	-3.182693	1.268466

-1041.28113 Kick0136.log

1	-2.351462	-2.085175	-1.191646
1	2.990851	3.171411	0.362623
1	1.213392	4.862497	0.539324
1	-1.070347	4.374217	-0.228568
1	-1.638983	2.177449	-1.155994
1	3.363413	0.454312	-0.365692
1	2.099763	-1.331164	-1.474666
1	-1.544698	-0.133712	-2.290394
1	-0.483528	-1.457216	-2.658544
6	1.988067	2.951650	0.041687
6	0.990027	3.890505	0.136318
6	-0.316981	3.609467	-0.297028
6	-0.637480	2.378019	-0.817912
6	0.357820	1.397493	-0.909376
6	1.659659	1.704674	-0.491533
7	2.443286	0.609522	-0.716591
6	1.661769	-0.382144	-1.237044
6	0.380641	0.030659	-1.379958
6	-0.786840	-0.780161	-1.868530
1	-1.303008	-0.745635	1.164283
8	-0.376473	-3.636149	-1.183075
8	-0.033003	-2.744887	0.794911
6	-0.563860	-2.702798	-0.267802
6	-1.483437	-1.608604	-0.755890
1	0.218328	-4.289914	-0.850684
1	-2.337858	1.169804	3.361090
1	-4.023450	0.213039	2.163872
1	-3.728968	1.679711	1.269058
1	-1.497694	1.641398	2.067950
8	-3.774628	-0.042747	-0.576980
7	-1.898838	-0.823644	0.374262
6	-3.009726	-0.069669	0.347240
6	-3.270467	0.753142	1.599951
7	-2.090881	0.922689	2.427663

1	5.323406	-0.376804	1.299849
1	4.058391	-1.227520	1.171586
8	4.649187	-0.649502	0.706524
1	2.753057	-3.097260	2.404367
1	1.789067	-2.189522	1.662114
8	2.682444	-2.277125	1.952619

-1041.28247 Kick0140.log

1	-0.902484	-2.768358	-1.306536
1	1.373673	4.232248	0.853112
1	-0.963847	4.981656	0.993329
1	-2.780928	3.624458	0.046690
1	-2.307583	1.469901	-1.027473
1	2.919557	1.991399	-0.019678
1	2.583426	-0.063239	-1.278589
1	-1.140768	-0.540727	-2.311071
1	0.428683	-1.240052	-2.568182
6	0.577799	3.627960	0.454827
6	-0.730552	4.040263	0.528191
6	-1.769822	3.260899	-0.006182
6	-1.506785	2.051873	-0.605933
6	-0.184623	1.599409	-0.678726
6	0.840296	2.403672	-0.159816
7	2.027357	1.768400	-0.393273
6	1.771001	0.582833	-1.020635
6	0.444080	0.415391	-1.221675
6	-0.214169	-0.798790	-1.816706
1	-1.271889	-1.243678	1.104526
8	1.639339	-2.754872	-0.796316
8	0.840100	-2.154770	1.164610
6	0.694440	-2.280859	-0.010297
6	-0.552582	-1.892852	-0.772126
1	2.442191	-2.871918	-0.305658
1	-3.627905	-0.367975	2.935102
1	-4.266297	-1.892453	1.365900
1	-4.546500	-0.383105	0.543108
1	-2.846945	0.586840	1.896167
8	-3.302277	-1.745394	-1.193435
7	-1.549650	-1.488321	0.183213
6	-2.854948	-1.444506	-0.120859
6	-3.776561	-0.995286	1.003459
7	-3.076339	-0.362410	2.105068
1	4.166122	-2.547621	1.895571
1	2.786567	-1.932717	1.651531
8	3.657880	-2.034274	1.293946
1	5.501824	0.563004	0.138790
1	4.360014	-0.193825	0.808538
8	4.647217	0.658363	0.516024

-1041.28412 Kick0114.log

1	2.945017	-1.199597	-1.002119
1	-4.156416	1.148898	0.014228
1	-4.840435	-1.217058	0.040128
1	-3.307323	-2.978024	-0.728720

1	-1.051931	-2.425448	-1.508647
1	-1.849899	2.719741	-0.396162
1	0.360813	2.515602	-1.442632
1	1.017390	-1.280909	-2.328325
1	1.727021	0.252964	-2.716575
6	-3.484725	0.376657	-0.315326
6	-3.857321	-0.946802	-0.302485
6	-2.980205	-1.953544	-0.738237
6	-1.715188	-1.643948	-1.182145
6	-1.307407	-0.304922	-1.191212
6	-2.203546	0.685748	-0.770399
7	-1.583314	1.898423	-0.893480
6	-0.303833	1.683257	-1.326896
6	-0.074406	0.368136	-1.540905
6	1.217958	-0.294008	-1.931830
1	1.009761	-0.261106	0.976160
8	3.778901	1.144624	-1.340590
8	2.689893	1.512670	0.531114
6	2.894657	0.822929	-0.413267
6	2.188856	-0.477837	-0.729959
1	4.182933	1.968704	-1.117242
1	-0.711179	-1.481591	3.308724
1	1.137626	-2.720615	2.771771
1	-0.134724	-3.372756	1.770638
1	-1.162271	-1.243830	1.787484
8	1.732523	-3.136319	0.095794
7	1.528464	-0.928966	0.463409
6	1.292334	-2.224604	0.734963
6	0.444103	-2.479015	1.973869
7	-0.364012	-1.335337	2.383998
1	1.185532	1.861386	2.050264
1	0.142100	0.919261	2.642926
8	0.343513	1.826134	2.474030
1	-0.926840	3.064486	1.789840
1	-1.610900	4.428952	1.904202
8	-1.506319	3.676618	1.353344

-1041.28715 Kick0139.log

1	0.667923	-2.677148	-1.395906
1	-1.057159	4.526921	0.741343
1	-3.426532	3.900214	0.942392
1	-4.228923	1.730736	0.116728
1	-2.681157	0.133677	-0.921488
1	1.309718	3.608739	-0.487232
1	2.232070	1.500415	-1.427014
1	-0.679806	-0.868059	-2.347299
1	1.027895	-0.662391	-2.597668
6	-1.404932	3.572532	0.386841
6	-2.728066	3.214703	0.496784
6	-3.184756	1.973239	0.030346
6	-2.318575	1.073959	-0.547217
6	-0.967930	1.413725	-0.668415
6	-0.536129	2.658185	-0.202933
7	0.818670	2.749185	-0.435684

6	1.213869	1.611328	-1.113218
6	0.186586	0.749041	-1.244677
6	0.248688	-0.628984	-1.847227
1	-0.372702	-1.716325	1.077656
8	2.838551	-1.400961	-0.859201
8	1.844061	-1.299943	1.107562
6	1.800682	-1.474934	-0.071243
6	0.522947	-1.764090	-0.830557
1	3.613712	-1.068809	-0.401530
1	-2.772937	-2.329471	2.953913
1	-2.596572	-3.811586	1.236417
1	-3.655893	-2.606630	0.559786
1	-2.666836	-1.017346	2.023034
8	-1.959603	-2.958566	-1.286771
7	-0.535560	-1.954423	0.127429
6	-1.686135	-2.567291	-0.185063
6	-2.661266	-2.763184	0.966779
7	-2.349085	-1.957538	2.132196
1	2.494377	0.380443	2.060102
1	2.329953	1.842295	1.694512
8	2.943682	1.211075	2.026061
1	5.645083	-0.243616	0.744170
1	4.360750	0.572101	0.954609
8	4.834429	0.015381	0.347936

-1041.28817 Kick0035.log

1	-1.329949	1.845239	-1.777202
1	3.185272	-3.534246	1.383620
1	5.037506	-1.918512	1.376913
1	4.845137	0.214179	0.171017
1	2.789824	0.791578	-1.036048
1	0.580634	-3.865340	0.357602
1	-1.055856	-2.601657	-1.023647
1	0.616454	0.623546	-2.431831
1	-0.805476	-0.345533	-2.665617
6	3.093653	-2.595580	0.865789
6	4.124595	-1.687537	0.857292
6	4.012358	-0.466370	0.172994
6	2.860233	-0.139487	-0.502678
6	1.789949	-1.041235	-0.499713
6	1.929620	-2.258578	0.176223
7	0.768524	-2.961140	0.003675
6	-0.090154	-2.216337	-0.765737
6	0.470983	-1.032938	-1.096130
6	-0.151284	0.069022	-1.909463
1	-0.343054	1.483533	0.893697
8	-2.975191	-0.077346	-1.335735
8	-2.383835	0.439814	0.726108
6	-2.179098	0.454320	-0.449825
6	-0.962446	1.095945	-1.085613
1	-3.755983	-0.473030	-0.940011
1	1.503682	2.995535	2.901932
1	0.905050	4.256220	1.094357
1	2.405558	3.537330	0.576293

1	1.949992	1.713528	2.032493
8	0.916707	3.131083	-1.420120
7	-0.196084	1.742995	-0.053100
6	0.685038	2.717269	-0.316463
6	1.392783	3.308312	0.893784
7	1.303049	2.473206	2.076978
1	-5.140750	-1.118104	0.749306
1	-5.528267	-2.070793	-0.396357
8	-5.167306	-1.228622	-0.193948
1	-4.812709	-0.037067	2.992953
1	-3.640639	-0.303782	2.050936
8	-4.439405	-0.667289	2.405441

-1041.14352 Kick0059.log
1 -4.598236 0.225660 -0.070423
1 -2.638396 1.253471 -1.414444
8 -4.270398 1.050486 0.266915
1 -3.901224 -2.052283 -0.314276
1 -5.295935 -2.153096 -0.942409
8 -4.616217 -1.558713 -0.686833
1 5.460857 -0.092806 1.212719
1 5.417445 2.213453 0.361171
1 3.539683 3.017016 -1.003003
1 1.652248 1.540323 -1.532734
1 3.957201 -2.468385 1.133051
1 1.814148 -3.292249 0.177585
1 0.412268 -0.825703 -2.336200
1 0.082644 -2.375848 -1.618929
1 -1.778772 -0.911930 -1.435877
6 4.637150 0.258004 0.615879
6 4.605861 1.544637 0.135457
6 3.533221 2.003290 -0.644408
6 2.477484 1.178060 -0.948992
6 2.482822 -0.137960 -0.473202
6 3.565457 -0.574794 0.298912
7 3.342612 -1.886197 0.621829
6 2.157993 -2.284454 0.056793
6 1.581095 -1.264140 -0.612314
6 0.294154 -1.336485 -1.387049
1 -0.303691 0.927305 0.264203
8 -0.799180 -1.132051 1.609979
8 -2.090441 -2.489381 0.467201
6 -1.363982 -1.542513 0.496999
6 -0.972500 -0.739940 -0.734730
1 -1.110135 -1.656424 2.330921
1 -1.842514 2.703957 1.870525
1 -2.916729 3.316317 -0.171222
1 -1.334186 3.284351 -0.931398
1 -0.992620 3.940364 1.280169
8 -2.944589 0.757474 0.522314
7 -0.875520 0.683749 -0.516594
6 -2.124940 1.368125 -0.467737
6 -1.939225 2.840769 -0.149075
7 -1.247807 2.989361 1.121158

-1041.20159 Kick0324.log
1 -1.991502 4.925001 -0.562041
1 -1.383371 3.935396 0.421987
8 -2.187182 4.205125 0.008177
1 -2.502044 -0.881101 -2.567387
1 -3.494381 -2.131894 -0.484307
8 -1.866227 -1.497791 -2.248586
1 -3.281016 -1.795324 2.134232
1 -1.191357 -2.883014 2.673794
1 0.506260 -3.328832 0.880136
1 0.297686 -2.284904 -1.297747

1	-4.041791	0.113529	0.772876
1	-2.639771	1.876436	-0.125535
1	0.168991	0.629547	-2.219481
1	-0.518133	2.064549	-1.518786
1	1.689542	2.039345	-0.882217
6	-2.511083	-1.906030	1.387697
6	-1.373606	-2.507908	1.681898
6	-0.338957	-2.705462	0.651394
6	-0.441999	-2.130668	-0.533319
6	-1.578775	-1.211403	-0.895114
6	-2.833797	-1.415888	-0.006478
7	-3.455309	-0.090413	-0.004936
6	-2.437835	0.829177	-0.250374
6	-1.321545	0.286856	-0.721139
6	-0.160451	1.069981	-1.284728
1	1.616983	-0.746626	0.023558
8	1.085404	1.080525	1.974162
8	0.167740	2.861880	1.087477
6	0.730921	1.823695	0.945768
6	1.105817	1.260599	-0.414517
1	0.799169	1.506752	2.767170
1	3.504684	-1.860449	1.457103
1	5.070465	-0.768812	0.051423
1	4.247562	-1.464319	-1.319276
1	3.808690	-2.969238	0.331449
8	3.856645	1.232625	-0.810980
7	1.963011	0.108939	-0.341386
6	3.298758	0.219121	-0.501593
6	4.095879	-1.064401	-0.322526
7	3.418346	-2.064378	0.483358

-1041.22499 Kick0176.log

1	-1.911530	-1.124935	-1.976003
1	-4.399286	1.339820	1.086148
8	-4.448671	-0.501695	-0.993589
1	2.386551	3.953048	0.141226
1	1.853010	5.219026	-0.501583
8	1.858813	4.719470	0.293993
1	-3.587877	0.247447	2.181473
1	-5.087456	-1.154101	0.876825
1	-3.765781	-2.451049	-0.759802
1	-1.424490	-1.917473	-0.505443
1	-2.071078	2.804840	1.423319
1	0.063796	3.012714	0.182459
1	0.337583	0.022387	-2.337595
1	1.043000	1.581621	-2.030779
1	2.627746	-0.219089	-1.655196
6	-3.688409	0.517538	1.131868
6	-4.262585	-0.663920	0.384757
6	-3.478865	-1.427217	-0.578824
6	-2.035531	-1.107885	-0.895891
6	-1.615264	0.219169	-0.329505
6	-2.369422	0.916567	0.554249
7	-1.733407	2.089393	0.828143

6	-0.573195	2.154688	0.116593
6	-0.449823	1.014071	-0.615257
6	0.684714	0.680966	-1.550215
1	0.765827	-1.286070	0.344971
8	2.796857	0.499482	1.274638
8	2.947508	2.045393	-0.275271
6	2.593901	0.958988	0.057188
6	1.894601	-0.006748	-0.889471
1	3.252484	1.157265	1.776812
1	1.281124	-2.801433	2.362923
1	2.820155	-3.956451	0.987202
1	1.533704	-4.206024	-0.162135
1	0.385233	-4.008917	1.789874
8	3.447799	-2.320131	-0.811147
7	1.540655	-1.255221	-0.274788
6	2.399754	-2.295140	-0.234009
6	1.930398	-3.503531	0.562643
7	0.892349	-3.191037	1.529723

-1041.26025 Kick0144.log

1	-3.097552	-0.887720	1.003663
1	-1.834504	-3.618451	0.298823
8	-2.922630	-1.673739	0.509292
1	-3.199658	0.027418	3.416779
1	-1.916928	-0.151008	2.605345
8	-2.740371	0.310604	2.647510
1	5.062411	0.061233	1.333924
1	4.807215	2.481190	0.983483
1	2.888093	3.378680	-0.259516
1	1.173312	1.883819	-1.168367
1	3.812299	-2.372803	0.682202
1	1.766639	-3.168845	-0.497597
1	0.184344	-0.352608	-2.486418
1	0.016170	-2.048748	-2.154661
1	-2.025563	-0.942178	-1.730219
6	4.218676	0.453137	0.793560
6	4.069460	1.803470	0.592301
6	2.972632	2.316376	-0.117649
6	2.010562	1.480566	-0.629996
6	2.133968	0.099387	-0.438261
6	3.240800	-0.389126	0.266123
7	3.141626	-1.753974	0.300302
6	2.013001	-2.132695	-0.384228
6	1.346798	-1.049631	-0.846041
6	0.092767	-1.077403	-1.684556
1	-0.850663	0.877065	0.251916
8	-0.873152	-1.453571	1.325324
8	-1.350065	-3.028739	-0.253864
6	-1.601487	-1.748936	0.163096
6	-1.254532	-0.795396	-0.990879
1	0.047707	-1.567723	1.157354
1	-2.199970	2.360843	1.651065
1	-3.366682	3.076461	-0.305992
1	-1.827780	3.506034	-0.999025

1	-1.452723	3.738180	1.246484
8	-2.953263	1.238336	-1.997790
7	-1.387136	0.564921	-0.522504
6	-2.261283	1.449514	-1.044014
6	-2.317212	2.798354	-0.338574
7	-1.648093	2.807673	0.948158

-1041.26467 Kick0140.log

1	4.202302	-0.251543	1.843284
1	5.195351	-1.374194	1.618007
8	4.440634	-1.123280	2.117689
1	-2.800675	-0.794087	2.942401
1	-2.257719	-2.133457	2.516450
8	-2.387589	-1.575828	3.261732
1	-4.886989	0.348474	-1.560682
1	-4.947355	2.322973	-0.098163
1	-3.127976	2.770043	1.491064
1	-1.200914	1.261175	1.648685
1	-3.284113	-1.901513	-2.116452
1	-1.125362	-2.888550	-1.367511
1	0.200710	-0.973594	1.730588
1	0.475979	-2.438856	0.842993
1	2.377474	-0.945969	0.730189
6	-4.087173	0.544168	-0.868373
6	-4.114335	1.644962	-0.047161
6	-3.074432	1.900175	0.861347
6	-1.993922	1.055553	0.952573
6	-1.940125	-0.075121	0.127540
6	-2.991056	-0.311454	-0.766859
7	-2.711118	-1.473614	-1.432770
6	-1.521475	-1.975854	-0.972884
6	-0.998602	-1.167404	-0.022511
6	0.289457	-1.379926	0.730903
1	0.661082	1.041021	-0.609503
8	2.459721	-0.697680	-2.123575
8	1.701516	-2.629818	-1.408563
6	1.881916	-1.474897	-1.219442
6	1.534281	-0.758266	0.079685
1	2.693354	-1.230504	-2.867429
1	1.476510	3.078497	-2.066048
1	3.084479	3.424421	-0.391260
1	1.799803	3.460507	0.783920
1	0.638759	4.027152	-1.067217
8	3.424478	1.237776	0.778575
7	1.420480	0.669024	-0.086922
6	2.399574	1.531473	0.220678
6	2.126281	2.985534	-0.134725
7	1.098194	3.146732	-1.145280

-1041.26470 Kick0082.log

1	-0.345808	1.170570	-2.230840
1	1.002199	1.878284	-2.137468
8	0.556137	1.124912	-2.493603
1	-2.577314	-1.946309	2.182096

1	-3.120762	-0.692085	2.814609
8	-2.850151	-1.572729	3.000438
1	-4.155570	0.679347	-2.084355
1	-4.182206	2.744180	-0.750821
1	-2.622289	3.054967	1.122002
1	-0.987170	1.317679	1.694916
1	-2.792245	-1.786638	-2.257956
1	-0.941502	-2.980147	-1.100345
1	0.126573	-0.980239	2.071776
1	0.315486	-2.558685	1.378730
1	2.393558	-1.267509	1.451707
6	-3.465422	0.816511	-1.270693
6	-3.475126	1.967834	-0.519834
6	-2.582083	2.145753	0.549392
6	-1.663440	1.174208	0.871212
6	-1.626766	-0.006531	0.118925
6	-2.535222	-0.167452	-0.935394
7	-2.306342	-1.397298	-1.489009
6	-1.282915	-2.008366	-0.811294
6	-0.824575	-1.210578	0.179887
6	0.298093	-1.503731	1.139609
1	1.522242	0.553828	-0.648930
8	3.161372	-1.501150	-1.190850
8	1.757587	-3.109315	-0.674822
6	2.173785	-2.018177	-0.479191
6	1.695496	-1.105265	0.638637
1	3.420396	-2.128852	-1.847093
1	3.273244	2.421033	-1.168597
1	3.191291	3.079817	1.150811
1	1.456613	3.150332	0.986868
1	2.383424	3.751433	-1.062636
8	2.547304	0.965142	2.268281
7	1.811008	0.282524	0.262654
6	2.252259	1.207689	1.132068
6	2.346063	2.642045	0.631260
7	2.409757	2.783413	-0.817580

-1041.26541 Kick0090.log

1	4.738072	0.057200	-1.049813
1	3.857924	0.933490	-1.888085
8	4.654074	0.434579	-1.906358
1	-0.109965	3.695973	-2.684078
1	-1.218568	3.156308	-1.787118
8	-0.378409	3.588191	-1.790828
1	4.068455	-1.084389	2.075078
1	4.228238	1.370219	2.080479
1	2.644849	2.738160	0.788620
1	0.867252	1.702335	-0.521708
1	2.551550	-3.162776	0.925456
1	0.573392	-3.431440	-0.558108
1	-0.469428	0.036796	-1.998231
1	-0.721340	-1.658382	-2.293433
1	-2.739329	-0.574983	-1.532378
6	3.370977	-0.486858	1.514468

6	3.452775	0.886361	1.513862
6	2.546403	1.667696	0.779834
6	1.539274	1.083939	0.045320
6	1.427188	-0.311657	0.038446
6	2.350935	-1.073041	0.765541
7	2.042902	-2.391577	0.571751
6	0.960372	-2.476680	-0.266400
6	0.531862	-1.243367	-0.615580
6	-0.632497	-0.916230	-1.511083
1	-1.810358	-0.026502	1.175174
8	-2.867342	-2.174724	0.982394
8	-2.320543	-3.183980	-0.890589
6	-2.397670	-2.188879	-0.255293
6	-1.992518	-0.827358	-0.789595
1	-3.102817	-3.056276	1.226434
1	-3.111728	1.643345	2.804544
1	-3.102007	3.113226	1.002199
1	-1.366380	3.014502	0.962742
1	-1.664791	2.306190	3.065705
8	-2.596936	1.856695	-1.155896
7	-2.040358	0.187807	0.233437
6	-2.329399	1.459612	-0.046461
6	-2.265984	2.431471	1.119866
7	-2.203982	1.779606	2.414697

-1041.26563 Kick0068.log

1	-3.068921	-0.717133	2.905187
1	-2.462833	-2.034954	2.499856
8	-2.626110	-1.476632	3.238234
1	5.289591	-1.308705	1.472415
1	4.539289	-0.209644	0.739555
8	4.870667	-1.090850	0.660768
1	-4.761733	0.125244	-1.953573
1	-5.056905	2.154723	-0.598839
1	-3.442083	2.743915	1.156363
1	-1.490764	1.324230	1.593558
1	-3.018513	-2.071421	-2.234943
1	-0.923860	-2.937812	-1.206314
1	-0.026148	-0.827048	1.925817
1	0.380976	-2.335119	1.168307
1	2.252016	-0.787874	1.170408
6	-4.052198	0.381963	-1.186783
6	-4.210961	1.514091	-0.425016
6	-3.288480	1.850038	0.578822
6	-2.195088	1.054910	0.827113
6	-2.008937	-0.106550	0.066737
6	-2.943802	-0.422583	-0.926685
7	-2.547877	-1.597819	-1.504827
6	-1.398189	-2.029787	-0.896563
6	-1.016410	-1.163177	0.069622
6	0.185636	-1.290393	0.970259
1	0.602104	1.055053	-0.419823
8	2.687046	-0.741206	-1.633672
8	1.854422	-2.639385	-0.898985

6	2.007210	-1.472611	-0.768699
6	1.480967	-0.677586	0.421106
1	3.106233	-1.318925	-2.251770
1	1.426675	3.004495	-1.980247
1	3.001566	3.478270	-0.303255
1	1.694848	3.575240	0.844801
1	0.570515	4.018461	-1.065068
8	3.339625	1.365886	0.999373
7	1.351532	0.732351	0.147943
6	2.320445	1.620264	0.410566
6	2.042430	3.047501	-0.036640
7	1.031633	3.135469	-1.073288

-1041.26688 Kick0111.log

1	3.719172	-0.788180	1.919794
1	2.928380	0.438438	2.300548
8	3.321906	-0.342865	2.647872
1	1.844158	-1.561415	3.111893
1	0.748313	-2.185906	3.972021
8	1.068866	-2.102516	3.093452
1	4.001604	0.829639	-2.617525
1	4.191409	-1.617063	-2.470986
1	2.745290	-2.905976	-0.958576
1	1.076601	-1.782709	0.445829
1	2.538677	2.968345	-1.510544
1	0.717786	3.327539	0.148487
1	-0.103565	-0.004982	1.970102
1	-0.391521	1.709829	2.100963
1	-2.433687	0.498786	1.648080
6	3.363891	0.266682	-1.958845
6	3.464330	-1.100286	-1.870148
6	2.636850	-1.837271	-1.006036
6	1.692818	-1.213414	-0.225097
6	1.567038	0.180614	-0.299428
6	2.407460	0.895702	-1.161514
7	2.103809	2.222954	-1.026762
6	1.101053	2.359631	-0.101024
6	0.727021	1.150738	0.377779
6	-0.346198	0.884251	1.403162
1	-1.254641	-0.519584	-0.840503
8	-2.960611	1.809322	-0.916860
8	-2.090335	3.050618	0.670813
6	-2.265878	1.978476	0.196056
6	-1.757530	0.686843	0.824474
1	-3.276472	2.652905	-1.200301
1	-2.635974	-1.562494	-2.839238
1	-3.869918	-2.718158	-1.195943
1	-2.363242	-3.293436	-0.532091
1	-1.757782	-2.904516	-2.679984
8	-3.712956	-1.312112	0.874016
7	-1.848760	-0.449742	-0.047807
6	-2.862403	-1.335298	0.031825
6	-2.836850	-2.443349	-1.010944
7	-2.082073	-2.093291	-2.200849

-1041.26689 Kick0331.log

1	0.708950	-2.216178	3.951445
1	1.817969	-1.590855	3.108452
8	1.040980	-2.128939	3.077508
1	3.704220	-0.816054	1.933306
1	2.918898	0.412234	2.319987
8	3.303968	-0.375334	2.662548
1	4.009610	0.847855	-2.605309
1	4.198111	-1.599818	-2.474798
1	2.748021	-2.898310	-0.974448
1	1.076574	-1.783782	0.433793
1	2.545275	2.979749	-1.486944
1	0.720629	3.328464	0.170211
1	-0.104150	-0.016610	1.967357
1	-0.392460	1.697316	2.110436
1	-2.434084	0.489878	1.645973
6	3.370279	0.280790	-1.951741
6	3.469976	-1.086801	-1.872019
6	2.640314	-1.829232	-1.014736
6	1.694864	-1.210216	-0.231605
6	1.569930	0.184333	-0.296749
6	2.412437	0.904858	-1.152259
7	2.108814	2.231264	-1.009418
6	1.104130	2.362109	-0.084895
6	0.728717	1.150195	0.385024
6	-0.346218	0.876772	1.406778
1	-1.251816	-0.511604	-0.847900
8	-2.957804	1.818161	-0.910166
8	-2.088435	3.048429	0.686548
6	-2.263945	1.979562	0.204453
6	-1.756705	0.683548	0.824672
1	-3.272976	2.663779	-1.188261
1	-2.630904	-1.543435	-2.853161
1	-3.863991	-2.711640	-1.217769
1	-2.356668	-3.288715	-0.556914
1	-1.751899	-2.885923	-2.702661
8	-3.709527	-1.318322	0.861048
7	-1.846956	-0.446948	-0.055541
6	-2.858886	-1.334845	0.018762
6	-2.831382	-2.436439	-1.030752
7	-2.076689	-2.078046	-2.218224

-1041.26693 Kick0143.log

1	-0.174927	-0.059860	2.253272
1	0.419841	1.278765	1.819479
8	-0.383222	0.803809	1.942150
1	-5.502716	3.356806	0.903209
1	-4.107243	2.992841	0.422338
8	-4.693300	3.716821	0.592190
1	3.987649	2.685241	1.185843
1	2.660357	4.397659	0.024276
1	0.894778	3.764698	-1.560156
1	0.397985	1.405334	-2.007727

1	4.285044	-0.117777	1.319779
1	3.185686	-2.156980	0.412624
1	0.711595	-1.197090	-2.402038
1	1.488427	-2.585571	-1.699007
1	-0.878612	-2.730191	-1.397680
6	3.207771	2.404516	0.500122
6	2.463270	3.356203	-0.154859
6	1.452091	2.993962	-1.059556
6	1.172014	1.672658	-1.311084
6	1.907418	0.681109	-0.650522
6	2.919887	1.065099	0.236751
7	3.486892	-0.077293	0.736181
6	2.869652	-1.163204	0.168294
6	1.887148	-0.767037	-0.671300
6	0.972034	-1.665243	-1.460402
1	-0.862505	-0.166543	0.018776
8	-0.510997	-2.350630	1.630610
8	0.590722	-3.861093	0.477971
6	-0.033326	-2.857088	0.495936
6	-0.344500	-2.045900	-0.755832
1	-0.322925	-2.962948	2.325547
1	-2.175674	1.403197	0.812265
1	-3.922581	-0.204701	0.744031
1	-4.201241	0.189827	-0.918843
1	-2.344497	1.735345	-0.762265
8	-3.082712	-2.078047	-0.982519
7	-1.211580	-0.918229	-0.529914
6	-2.560592	-1.072838	-0.597745
6	-3.426226	0.108302	-0.167858
7	-2.821343	1.404356	0.049646

-1041.26892 Kick0254.log

1	-1.871618	-1.579311	2.547525
1	-1.073876	-0.398664	3.059375
8	-1.020816	-1.317972	2.850467
1	-0.153620	3.291710	-3.335458
1	-0.813360	3.188865	-1.967090
8	-0.002278	3.375748	-2.412481
1	4.499661	-1.367414	1.340297
1	4.978946	1.043921	1.306584
1	3.501786	2.605809	0.115008
1	1.507079	1.807197	-1.053169
1	2.586436	-3.218315	0.414830
1	0.512353	-3.233509	-0.954492
1	-0.199811	0.423683	-2.229546
1	-0.633734	-1.202322	-2.671762
1	-2.449231	0.081280	-1.585875
6	3.844001	-0.683271	0.830634
6	4.104849	0.665541	0.806607
6	3.257711	1.558583	0.131538
6	2.131370	1.112615	-0.519911
6	1.835278	-0.256107	-0.496000
6	2.702583	-1.130994	0.167664
7	2.211886	-2.398342	0.007899

6	1.053184	-2.339563	-0.721840
6	0.770743	-1.061102	-1.057608
6	-0.419209	-0.558059	-1.829600
1	-1.074612	-0.052838	0.989917
8	-3.041982	-1.820071	0.429991
8	-2.218241	-2.722499	-1.391580
6	-2.313070	-1.781729	-0.682243
6	-1.700977	-0.424200	-0.986724
1	-3.438420	-2.676195	0.485227
1	-2.531119	1.681957	2.937916
1	-1.861806	3.382488	1.444667
1	-0.274567	2.651096	1.394622
1	-1.080683	2.121083	3.463616
8	-2.135114	2.301031	-0.742110
7	-1.521233	0.366204	0.207623
6	-1.716205	1.690167	0.209619
6	-1.334263	2.436657	1.478073
7	-1.558986	1.681903	2.704800

-1041.26985 Kick0315.log

1	-5.834444	2.226421	-1.374550
1	-5.006789	1.064137	-0.866897
8	-5.735237	1.628463	-0.657300
1	1.190178	3.180604	0.759070
1	1.084446	4.680938	0.986105
8	0.610431	3.871463	1.030422
1	5.025875	0.582570	1.023843
1	4.638526	2.732721	-0.102450
1	2.680979	3.057467	-1.558104
1	1.055531	1.255034	-1.892281
1	3.910871	-1.995687	1.235247
1	1.938280	-3.253947	0.386733
1	0.055076	-1.067118	-2.248816
1	0.191363	-2.733410	-1.774373
1	-1.992013	-1.722190	-1.240170
6	4.164358	0.725785	0.395783
6	3.939654	1.926016	-0.235462
6	2.819571	2.113065	-1.061887
6	1.909818	1.098801	-1.258618
6	2.116214	-0.133780	-0.631549
6	3.244657	-0.299307	0.182384
7	3.225405	-1.582237	0.653971
6	2.126268	-2.228161	0.146443
6	1.406530	-1.396132	-0.638651
6	0.143301	-1.723408	-1.391110
1	-0.725136	0.011769	0.761647
8	-2.021169	-2.370165	1.499145
8	-0.798399	-3.771949	0.332197
6	-1.275946	-2.694735	0.456692
6	-1.150038	-1.580226	-0.573779
1	-2.102251	-3.125998	2.059516
1	-2.044968	1.641069	2.508339
1	-3.395448	2.081602	0.695123
1	-1.988721	2.598310	-0.186228

1	-1.026121	2.688753	1.798538
8	-3.178869	0.289400	-1.098029
7	-1.305928	-0.275465	0.007909
6	-2.337727	0.534191	-0.268161
6	-2.355775	1.845630	0.503184
7	-1.515849	1.828105	1.684780

-1041.27019 Kick0167.log

1	-2.224924	4.444605	-0.679570
1	-1.813576	2.982305	-0.640359
8	-1.490872	3.861633	-0.735745
1	4.590323	1.467255	-0.466825
1	3.822057	0.394715	-1.200834
8	4.197934	1.253120	-1.294421
1	-4.750077	-0.499011	-1.569021
1	-5.091917	1.560319	-0.271207
1	-3.504370	2.216684	1.491070
1	-1.530041	0.849666	1.970790
1	-2.976488	-2.678801	-1.766238
1	-0.876953	-3.481584	-0.699029
1	-0.018236	-1.179512	2.338351
1	0.369197	-2.761321	1.733131
1	2.241989	-1.140316	1.633325
6	-4.049676	-0.208315	-0.806060
6	-4.232982	0.942622	-0.077301
6	-3.324165	1.320240	0.924588
6	-2.218584	0.549035	1.201804
6	-2.008491	-0.628072	0.476602
6	-2.932486	-0.988061	-0.512891
7	-2.513869	-2.172046	-1.053589
6	-1.361230	-2.567875	-0.424327
6	-0.998610	-1.665708	0.514550
6	0.192897	-1.737198	1.433499
1	0.748528	0.381776	-0.387857
8	2.980358	-1.525469	-0.991560
8	1.819459	-3.255621	-0.307530
6	2.078135	-2.106307	-0.204178
6	1.496012	-1.170615	0.847966
1	3.329944	-2.175224	-1.581664
1	1.916433	2.400276	-1.742571
1	2.583657	3.189189	0.347697
1	0.940797	2.993020	0.903455
1	0.577542	3.217833	-1.297699
8	2.884936	1.108983	1.732288
7	1.356186	0.176284	0.371068
6	2.062271	1.215854	0.864447
6	1.702720	2.563470	0.261125
7	1.171500	2.447553	-1.080070

-1041.27025 Kick0389.log

1	-3.690453	-2.880405	0.009680
1	-2.503438	-3.379212	-0.792529
8	-3.382312	-3.049116	-0.866102
1	-4.180125	-1.998358	2.646071

1	-3.623476	-0.970619	1.663236
8	-3.879150	-1.870369	1.765552
1	-2.331323	4.003632	-1.616210
1	-0.829853	5.442921	-0.305295
1	0.662165	4.488200	1.396424
1	0.699657	2.074943	1.819912
1	-3.065457	1.293724	-1.887321
1	-2.496712	-0.903914	-0.892766
1	-0.126629	-0.393909	2.155208
1	-1.106936	-1.624382	1.412312
1	1.259790	-2.162146	1.334642
6	-1.677022	3.583156	-0.872862
6	-0.835543	4.380920	-0.135730
6	0.017091	3.835201	0.836283
6	0.036714	2.482631	1.077999
6	-0.809460	1.645508	0.341807
6	-1.653963	2.212691	-0.620330
7	-2.379558	1.196968	-1.180686
6	-2.022762	0.010710	-0.595978
6	-1.064227	0.218630	0.339887
6	-0.406422	-0.828370	1.202019
1	1.688124	0.279908	-0.240862
8	1.229016	-2.126937	-1.669550
8	-0.358303	-3.157148	-0.558760
6	0.499391	-2.336429	-0.590994
6	0.861464	-1.468052	0.607519
1	0.950000	-2.727661	-2.343201
1	3.691181	0.708191	-1.893076
1	5.081906	-0.249364	-0.243870
1	4.412206	0.874415	0.908627
1	4.083544	2.009058	-1.025761
8	3.593631	-1.784435	1.062479
7	1.890912	-0.505266	0.333494
6	3.197248	-0.794378	0.519285
6	4.172996	0.270633	0.039768
7	3.618608	1.128571	-0.990840

-1041.27166 Kick0061.log

1	3.926724	-1.274337	-0.993358
1	4.219944	-2.751390	-0.813057
8	3.978236	-2.100856	-1.447403
1	4.708351	1.662788	0.608753
1	5.972062	2.350323	0.119281
8	5.220733	2.453040	0.673026
1	-5.232843	0.028766	-1.649076
1	-5.310216	2.371961	-0.909270
1	-3.669142	3.239542	0.699689
1	-1.911711	1.797490	1.599718
1	-3.757775	-2.335146	-1.241560
1	-1.794950	-3.107984	0.071169
1	-0.651556	-0.317508	2.522568
1	-0.442674	-2.016306	2.236290
1	1.607117	-0.865979	1.877710
6	-4.509545	0.408228	-0.948927

6	-4.546799	1.716444	-0.529905
6	-3.608996	2.212298	0.388247
6	-2.620959	1.402124	0.894024
6	-2.554876	0.066486	0.480913
6	-3.505865	-0.407623	-0.431190
7	-3.239997	-1.731398	-0.653354
6	-2.156441	-2.099911	0.098733
6	-1.688028	-1.047742	0.804847
6	-0.509489	-1.056006	1.741215
1	0.137988	1.006986	0.225508
8	1.239130	-1.577887	-1.135610
8	1.518390	-3.003724	0.523726
6	1.237201	-1.919901	0.134645
6	0.862737	-0.798024	1.095907
1	1.769186	-2.193208	-1.623965
1	0.470832	2.457621	-1.874386
1	2.762546	2.253057	-1.490074
1	2.557047	3.029442	0.045516
1	0.679917	3.766232	-0.957460
8	3.170471	0.391720	0.207169
7	0.954380	0.511261	0.498583
6	2.119338	0.980922	0.054146
6	2.093359	2.330752	-0.639317
7	0.753281	2.773142	-0.971127

-1041.27180 Kick0350.log

1	-4.103176	0.030753	2.097813
1	-4.372771	-1.205807	1.260015
8	-4.222720	-0.899940	2.141588
1	-3.413097	-2.160948	-0.699001
1	-4.906498	-2.319656	-0.988714
8	-4.261495	-1.754240	-0.606410
1	-0.632484	4.751794	-1.469640
1	1.391942	5.390236	-0.229106
1	2.441664	3.833400	1.354593
1	1.505874	1.601135	1.725525
1	-2.444378	2.611765	-1.723549
1	-2.769674	0.320756	-0.819959
1	-0.319278	-0.330621	2.087031
1	-1.703019	-1.023520	1.311432
1	0.173280	-2.499692	1.126327
6	-0.170264	4.065997	-0.781435
6	0.960544	4.415903	-0.083470
6	1.560707	3.526205	0.820138
6	1.035966	2.273622	1.030683
6	-0.112425	1.887662	0.330043
6	-0.698664	2.795810	-0.560188
7	-1.807671	2.195217	-1.091352
6	-1.941297	0.943254	-0.548731
6	-0.931651	0.691616	0.316148
6	-0.742087	-0.569494	1.118119
1	1.741352	-0.312457	-0.049551
8	0.429228	-2.105613	-1.852267
8	-1.518936	-2.530259	-0.949022

6	-0.403732	-2.127844	-0.833432
6	0.176855	-1.630410	0.483271
1	-0.009352	-2.459285	-2.610342
1	3.855904	-0.508575	-1.590314
1	4.548944	-2.286106	-0.200600
1	4.364211	-1.226143	1.170997
1	4.718026	0.282867	-0.482939
8	2.442672	-3.204208	0.802875
7	1.539712	-1.189254	0.372083
6	2.567881	-2.060323	0.474857
6	3.947007	-1.478306	0.202022
7	3.909315	-0.282817	-0.619629

-1041.27181 Kick0330.log

1	0.155967	4.233025	2.165878
1	0.390417	3.484164	0.854738
8	-0.172038	3.550197	1.610540
1	-0.076639	1.632254	2.124407
1	-0.603804	0.201383	2.185253
8	0.175838	0.726069	2.220774
1	-4.725532	0.095509	0.913204
1	-4.645161	-2.361192	0.823070
1	-2.775775	-3.519224	-0.272515
1	-0.933773	-2.254822	-1.278021
1	-3.215765	2.354759	0.152405
1	-1.137890	2.867599	-1.094830
1	0.333826	-0.327230	-2.653243
1	0.573611	1.392134	-2.633625
1	2.484540	0.063411	-1.806544
6	-3.901953	-0.411071	0.441063
6	-3.851109	-1.783368	0.384415
6	-2.783008	-2.444384	-0.240908
6	-1.750102	-1.737219	-0.808562
6	-1.771308	-0.339112	-0.761660
6	-2.853980	0.299157	-0.142776
7	-2.655044	1.648537	-0.254275
6	-1.475155	1.869209	-0.914820
6	-0.886817	0.701454	-1.247920
6	0.408319	0.532176	-1.995705
1	0.983870	-0.645317	0.599230
8	3.188515	1.366466	0.326605
8	1.641016	2.662199	-0.530288
6	2.125502	1.579015	-0.422352
6	1.668497	0.318569	-1.142098
1	3.445998	2.173838	0.741828
1	1.821759	-1.753519	2.542138
1	3.184906	-3.151740	1.150829
1	1.720639	-3.738364	0.414943
1	1.021916	-3.154833	2.507412
8	3.116476	-2.076672	-1.160484
7	1.555866	-0.766969	-0.205220
6	2.341587	-1.858412	-0.272325
6	2.178775	-2.862292	0.859290
7	1.342459	-2.395889	1.946982

-1041.27190 Kick0099.log

1	-2.298198	1.157342	-2.287192
1	-2.548065	1.975002	-1.044986
8	-2.211375	2.019644	-1.923356
1	3.423083	0.149743	3.787927
1	3.112459	0.889977	2.494809
8	3.682372	0.248376	2.891003
1	-4.802282	-1.110959	-0.396644
1	-5.105493	1.010057	0.810272
1	-3.214563	2.094977	1.946225
1	-0.973355	1.097234	1.884521
1	-2.817172	-3.042170	-0.934081
1	-0.384497	-3.381502	-0.535183
1	0.894675	-0.600551	1.908303
1	1.333038	-2.199588	1.406689
1	2.875684	-0.535661	0.623119
6	-3.970736	-0.633684	0.091480
6	-4.133253	0.552419	0.769895
6	-3.052014	1.173778	1.415837
6	-1.794364	0.612663	1.387931
6	-1.602927	-0.595050	0.709383
6	-2.696923	-1.199921	0.075410
7	-2.250606	-2.360178	-0.495007
6	-0.915882	-2.513814	-0.203350
6	-0.460643	-1.463056	0.512922
6	0.929435	-1.260394	1.053953
1	1.418967	0.683720	-1.488375
8	2.630755	-1.109336	-2.173078
8	2.304885	-2.842243	-0.865484
6	2.294168	-1.669599	-1.019821
6	1.951997	-0.669037	0.068975
1	2.870067	-1.788472	-2.784074
1	1.070520	3.466859	-2.593368
1	2.151774	3.576195	-0.630394
1	0.519585	3.559702	-0.032272
1	-0.181189	2.608434	-2.037051
8	1.808503	1.830815	1.357674
7	1.562178	0.600469	-0.509062
6	1.562204	1.744394	0.176810
6	1.235952	2.995737	-0.622837
7	0.810106	2.726137	-1.980480

-1041.27207 Kick0352.log

1	0.552018	1.148583	2.630912
1	1.573967	0.160118	2.080157
8	0.825286	0.244466	2.643463
1	-3.889814	0.035409	-3.436768
1	-3.707031	0.792678	-2.133522
8	-4.188786	0.094185	-2.548413
1	5.002405	-0.422080	0.381915
1	5.000952	1.885808	-0.465503
1	3.003493	2.831932	-1.538711
1	0.957412	1.502754	-1.774959

1	3.310617	-2.673356	0.578933
1	0.971172	-3.304035	0.010470
1	-0.665195	-0.460642	-2.103281
1	-0.920212	-2.135152	-1.722745
1	-2.606937	-0.646966	-0.772633
6	4.123211	-0.006450	-0.078317
6	4.115157	1.282749	-0.555327
6	2.972480	1.823995	-1.165163
6	1.823525	1.080342	-1.297063
6	1.800108	-0.233180	-0.814099
6	2.955621	-0.756012	-0.218801
7	2.677442	-2.043131	0.153960
6	1.385334	-2.340374	-0.199633
6	0.796789	-1.276076	-0.787527
6	-0.614879	-1.187120	-1.300973
1	-0.772631	0.429670	1.224758
8	-2.502882	-1.454524	1.859599
8	-1.690254	-3.028096	0.559683
6	-1.923431	-1.883686	0.751005
6	-1.664424	-0.775890	-0.255887
1	-2.655782	-2.194251	2.426234
1	-1.701584	2.356586	2.659015
1	-2.166933	3.577040	0.639445
1	-0.499515	3.331937	0.193694
1	-0.562604	3.476611	2.505767
8	-2.349132	1.802201	-1.087530
7	-1.357257	0.466388	0.420868
6	-1.732770	1.652395	-0.060716
6	-1.332483	2.889509	0.727894
7	-0.920625	2.636784	2.100892

-1041.27220 Kick0304.log

1	5.295231	-2.311993	2.526538
1	6.059975	-2.326044	1.208166
8	5.226599	-2.147419	1.603961
1	-3.632283	-0.901082	1.699246
1	-4.889258	-0.174368	1.286950
8	-4.286061	-0.292838	1.999314
1	4.497913	1.229098	1.090048
1	3.881072	3.554210	0.560404
1	1.886182	4.049817	-0.785517
1	0.456048	2.244787	-1.620150
1	3.654958	-1.399933	0.636757
1	1.802434	-2.590838	-0.531357
1	-0.291882	-0.054356	-2.610033
1	-0.038654	-1.767575	-2.460622
1	-2.288088	-1.066229	-1.779906
6	3.622402	1.449454	0.505362
6	3.271280	2.742665	0.204389
6	2.130108	3.026056	-0.563685
6	1.327805	2.014662	-1.033600
6	1.659465	0.686543	-0.739572
6	2.806003	0.426663	0.022534
7	2.922940	-0.927449	0.156189

6	1.887872	-1.523863	-0.505746
6	1.076765	-0.596438	-1.069476
6	-0.157327	-0.855308	-1.892161
1	-1.072087	0.527166	0.367992
8	-2.205816	-2.186926	0.845820
8	-0.966698	-3.260152	-0.608935
6	-1.486704	-2.252502	-0.273812
6	-1.462932	-0.963603	-1.085766
1	-2.193474	-3.039810	1.252448
1	-2.660811	1.517085	2.348183
1	-3.996514	2.376216	0.621267
1	-2.543542	2.961039	-0.154946
1	-1.951403	2.941795	2.051594
8	-3.799467	0.589685	-1.108104
7	-1.733069	0.211548	-0.303994
6	-2.886985	0.902411	-0.392962
6	-2.946779	2.160498	0.458201
7	-2.157030	2.045726	1.666984

-1041.27240 Kick0110.log

1	4.744195	-2.520017	-0.528423
1	4.514371	-1.090432	-0.972439
8	4.495402	-1.989213	-1.263700
1	-5.097259	-3.748728	-1.178910
1	-4.204205	-3.593051	-2.404372
8	-4.355497	-3.289459	-1.528004
1	-4.663556	0.286425	-1.192091
1	-4.676285	2.718511	-0.802948
1	-2.929418	3.782610	0.558664
1	-1.131376	2.456284	1.552438
1	-3.198899	-2.013197	-0.547133
1	-1.166537	-2.622271	0.748299
1	0.162331	0.467127	2.699745
1	0.335138	-1.258947	2.650735
1	2.369456	-0.194184	2.012604
6	-3.897021	0.755597	-0.601106
6	-3.896681	2.111208	-0.378008
6	-2.898299	2.719538	0.399200
6	-1.887799	1.974490	0.957724
6	-1.859194	0.591122	0.742882
6	-2.870222	0.004041	-0.030814
7	-2.637676	-1.340491	-0.074945
6	-1.514961	-1.613442	0.651850
6	-0.986619	-0.480523	1.170995
6	0.247725	-0.378729	2.025999
1	0.807271	1.393611	0.155924
8	1.792075	-1.378135	-0.825358
8	2.242454	-2.504668	1.015914
6	1.903047	-1.502410	0.480482
6	1.581902	-0.240224	1.272444
1	2.309792	-2.051894	-1.245524
1	1.051608	2.290116	-2.229873
1	3.389755	2.315991	-1.884541
1	3.128582	3.337758	-0.497471

1	1.275537	3.803237	-1.721874
8	3.824229	0.721765	0.019463
7	1.641461	0.957811	0.473109
6	2.779482	1.300843	-0.145970
6	2.709854	2.511311	-1.061305
7	1.356633	2.845795	-1.458960

-1041.27306 Kick0388.log

1	5.349502	0.240655	-1.177963
1	4.377146	-0.675699	-0.451078
8	4.783963	0.176931	-0.431267
1	0.765112	5.347892	-0.268178
1	1.224346	4.108354	0.473435
8	0.608985	4.823059	0.495165
1	-5.045997	0.525702	1.226945
1	-5.472010	-1.735939	0.361059
1	-3.827999	-2.864756	-1.073372
1	-1.716792	-1.770992	-1.662063
1	-3.101828	2.566759	1.129510
1	-0.885605	2.983195	0.114574
1	-0.008681	0.105059	-2.350747
1	0.520392	1.701915	-1.914267
1	2.195992	0.004936	-1.426173
6	-4.322167	0.030450	0.603726
6	-4.553535	-1.233244	0.115222
6	-3.613830	-1.878193	-0.702719
6	-2.429854	-1.264538	-1.036176
6	-2.165551	0.020777	-0.550462
6	-3.121914	0.647790	0.258446
7	-2.639297	1.887118	0.578983
6	-1.415516	2.060786	-0.009925
6	-1.067282	0.953344	-0.706202
6	0.193026	0.755364	-1.507044
1	0.224636	-1.246320	0.359104
8	2.321446	0.585102	1.413648
8	2.028376	2.301137	0.073727
6	1.931362	1.135533	0.285755
6	1.376948	0.149471	-0.735293
1	2.784369	1.230205	1.925123
1	0.647086	-2.863250	2.396977
1	2.325176	-3.838915	1.075688
1	1.142457	-4.085960	-0.178782
1	-0.232059	-3.962005	1.608141
8	3.032686	-2.127826	-0.615257
7	1.059211	-1.136918	-0.170431
6	1.937729	-2.146383	-0.111996
6	1.454020	-3.399822	0.601244
7	0.338728	-3.153924	1.493804

-1041.27317 Kick0369.log

1	0.787057	-3.068019	-3.359445
1	1.589337	-2.788980	-2.093989
8	0.791128	-3.169376	-2.425912
1	-1.106370	0.395335	2.189358

1	0.076722	-0.339010	2.810711
8	-0.284619	0.515023	2.631686
1	-4.742457	0.533744	1.056034
1	-4.707112	-1.921721	0.921822
1	-2.843206	-3.096747	-0.168044
1	-0.968160	-1.860928	-1.132357
1	-3.207402	2.777757	0.304657
1	-1.040750	3.267175	-0.815770
1	0.471353	-0.057321	-2.218781
1	0.627047	1.659452	-2.451931
1	2.574017	0.660233	-1.378483
6	-3.919524	0.019826	0.590832
6	-3.892666	-1.352172	0.510553
6	-2.825685	-2.023335	-0.107559
6	-1.766510	-1.330190	-0.645817
6	-1.763146	0.068563	-0.566152
6	-2.845209	0.719022	0.040776
7	-2.607034	2.065425	-0.027933
6	-1.409719	2.274644	-0.663503
6	-0.844110	1.097122	-1.008558
6	0.476744	0.894352	-1.701619
1	1.125912	0.094088	1.090552
8	2.694181	2.240579	0.916010
8	1.666219	3.283447	-0.721240
6	1.986863	2.269803	-0.200337
6	1.704618	0.891436	-0.774410
1	2.844699	3.128126	1.201255
1	2.437193	-1.266669	2.905848
1	2.942885	-2.904430	1.229414
1	1.233340	-3.003666	0.903474
1	1.438597	-2.499513	3.148898
8	2.750518	-1.659087	-0.914052
7	1.643962	-0.109375	0.265297
6	2.177633	-1.320243	0.094617
6	2.022424	-2.330349	1.218617
7	1.665586	-1.765260	2.511237

-1041.27322 Kick0012.log

1	1.068927	-0.421888	2.186356
1	-0.121409	0.326288	2.773705
8	0.246110	-0.531817	2.629108
1	-0.682351	3.803608	-2.822966
1	-1.630020	3.129715	-1.837112
8	-0.900219	3.724836	-1.912954
1	4.744198	-0.423312	1.018099
1	4.591554	2.029117	0.916288
1	2.658892	3.127640	-0.136963
1	0.838755	1.819949	-1.093728
1	3.310572	-2.728457	0.255034
1	1.161813	-3.307292	-0.858680
1	-0.489434	-0.073433	-2.273822
1	-0.594335	-1.799499	-2.443936
1	-2.565565	-0.814425	-1.402395
6	3.894480	0.056596	0.564935

6	3.802200	1.426784	0.503006
6	2.698250	2.054029	-0.095644
6	1.670111	1.316590	-0.634550
6	1.734335	-0.081416	-0.577979
6	2.850537	-0.686416	0.014357
7	2.675667	-2.041829	-0.067360
6	1.485483	-2.300270	-0.697956
6	0.863017	-1.147546	-1.027853
6	-0.464868	-1.004808	-1.721203
1	-1.171472	-0.164491	1.072139
8	-2.645203	-2.333374	0.934574
8	-1.581649	-3.392967	-0.669071
6	-1.934286	-2.374742	-0.178947
6	-1.690609	-1.005876	-0.791817
1	-2.767077	-3.215548	1.248691
1	-2.477725	1.287173	2.798800
1	-2.935834	2.854481	1.055338
1	-1.221303	2.955753	0.770283
1	-1.458664	2.507672	3.017108
8	-2.637751	1.564943	-1.066917
7	-1.654795	0.022076	0.222541
6	-2.134333	1.244460	-0.015723
6	-2.012270	2.285296	1.083859
7	-1.689746	1.756596	2.400952

-1041.27330 Kick0271.log

1	-4.693803	-3.048265	1.737550
1	-3.741711	-3.171861	0.545438
8	-3.790209	-3.050421	1.480767
1	0.562090	3.576095	-1.578035
1	0.961723	3.425471	-0.124856
8	1.169083	3.877383	-0.927026
1	4.283574	-2.196638	1.571892
1	5.292475	0.039946	1.408886
1	4.224629	1.808440	0.072555
1	2.139832	1.396269	-1.111750
1	2.064537	-3.656249	0.640925
1	0.060444	-3.300906	-0.785561
1	0.225932	0.164379	-2.510395
1	-0.639810	-1.341010	-2.579308
1	-2.138072	0.375324	-1.919299
6	3.812339	-1.421435	0.993470
6	4.370494	-0.169365	0.896287
6	3.761977	0.840301	0.135551
6	2.584833	0.607154	-0.534814
6	1.988299	-0.656278	-0.445922
6	2.618682	-1.650824	0.312327
7	1.859305	-2.785619	0.218542
6	0.776259	-2.531311	-0.580004
6	0.792168	-1.249771	-1.009635
6	-0.236833	-0.602362	-1.899450
1	-0.207693	1.130071	0.139333
8	-2.218246	-0.832391	0.914581
8	-2.680719	-1.967641	-0.917358

6	-2.182685	-1.026574	-0.378936
6	-1.434599	0.038083	-1.172047
1	-2.719092	-1.527123	1.336580
1	-0.250899	2.133728	2.303190
1	-2.367461	3.123971	1.812496
1	-1.582080	4.040643	0.556637
1	0.070506	3.692666	2.100138
8	-3.121835	2.044421	-0.363258
7	-1.049550	1.182480	-0.383361
6	-1.999640	2.047836	0.048506
6	-1.574464	3.088260	1.072664
7	-0.248426	2.871989	1.629669

-1041.27349 Kick0312.log

1	4.571498	-0.340358	-0.715270
1	4.494782	0.996539	-0.035498
8	5.049438	0.242434	-0.152933
1	4.529827	-0.340929	1.797007
1	3.506851	0.565084	2.414975
8	3.888369	-0.292093	2.488488
1	-5.420533	-0.343719	-0.877192
1	-5.548368	1.844898	0.235184
1	-3.664314	2.694336	1.563363
1	-1.606611	1.386220	1.800470
1	-3.663828	-2.524957	-1.196978
1	-1.366670	-3.189167	-0.509555
1	-0.001466	-0.578850	2.059225
1	0.316839	-2.205508	1.553356
1	2.064339	-0.543003	0.946837
6	-4.591465	0.029499	-0.301916
6	-4.655584	1.251731	0.322802
6	-3.578028	1.737888	1.079322
6	-2.423392	1.004538	1.213855
6	-2.328675	-0.242319	0.585838
6	-3.418544	-0.709159	-0.158403
7	-3.080933	-1.940176	-0.652146
6	-1.815813	-2.258981	-0.231986
6	-1.301050	-1.261836	0.521907
6	0.049355	-1.223047	1.189252
1	0.057831	0.616725	-0.876540
8	2.584157	-1.288503	-1.533705
8	1.268328	-2.867091	-0.763840
6	1.648115	-1.750053	-0.703359
6	1.202868	-0.709202	0.315333
1	2.821470	-1.983169	-2.128667
1	0.417719	2.485959	-2.805860
1	1.886453	3.445518	-1.287642
1	0.602637	3.497911	-0.116962
1	-0.687206	3.271025	-1.929839
8	2.619486	1.759163	0.445260
7	0.886399	0.544449	-0.330977
6	1.603948	1.663132	-0.201170
6	1.038472	2.890120	-0.901890
7	0.027290	2.578626	-1.893174

-1041.27406 Kick0295.log
1 -5.265035 0.574343 -1.026490
1 -4.328299 -0.614533 -0.882893
8 -4.590923 0.085491 -1.461235
1 -1.221550 5.087838 0.714139
1 -1.705550 3.844403 -0.008771
8 -1.088900 4.557530 -0.049718
1 4.774314 0.717122 -1.827069
1 5.476050 -1.478199 -0.969499
1 4.163962 -2.632075 0.757598
1 2.122715 -1.632786 1.658579
1 2.752691 2.648758 -1.477110
1 0.707095 2.985773 -0.116971
1 0.392999 0.190319 2.547529
1 -0.281027 1.731828 2.119622
1 -1.949212 0.049796 1.968625
6 4.194645 0.209850 -1.075926
6 4.581285 -1.017132 -0.590758
6 3.831714 -1.676213 0.394079
6 2.683258 -1.114617 0.900274
6 2.261293 0.130065 0.420312
6 3.031632 0.773700 -0.557487
7 2.428927 1.970481 -0.833730
6 1.310276 2.101584 -0.056259
6 1.148457 1.006684 0.721959
6 0.036174 0.781044 1.710621
1 -0.069421 -1.521180 0.410730
8 -1.878716 0.480951 -1.105614
8 -2.437982 1.986870 0.402330
6 -1.909042 0.959697 0.111916
6 -1.227816 0.093371 1.163336
1 -2.578402 0.862863 -1.619973
1 -0.154784 -3.104805 -1.602825
1 -2.364727 -3.638611 -0.969516
1 -1.756969 -4.116972 0.591563
1 0.097431 -4.401672 -0.680458
8 -3.153334 -1.746501 0.503217
7 -0.976791 -1.251122 0.710879
6 -1.994790 -2.048320 0.356970
6 -1.620507 -3.404850 -0.214917
7 -0.248267 -3.467377 -0.677634

-1041.27431 Kick0006.log
1 4.401810 -1.486839 -0.381482
1 4.393643 0.004237 -0.086104
8 4.775038 -0.822035 0.170770
1 3.946573 -0.489401 3.337484
1 4.118834 -1.135763 1.973431
8 3.582190 -1.128622 2.753955
1 -5.400629 -0.650627 -0.862253
1 -5.687170 1.428454 0.417981
1 -3.849100 2.338606 1.769855
1 -1.683694 1.204286 1.867984

1	-3.487715	-2.656484	-1.352761
1	-1.128825	-3.173666	-0.759884
1	0.127775	-0.772281	1.986672
1	0.577181	-2.222719	1.157593
1	2.164611	-0.537832	0.779508
6	-4.591888	-0.249810	-0.276782
6	-4.744634	0.911161	0.442440
6	-3.694539	1.431748	1.213398
6	-2.477610	0.795605	1.268461
6	-2.290740	-0.385399	0.541154
6	-3.356104	-0.890289	-0.214632
7	-2.931801	-2.050612	-0.802880
6	-1.637312	-2.293361	-0.421321
6	-1.185000	-1.308810	0.384957
6	0.183899	-1.226202	1.004612
1	0.000823	1.256170	-0.008171
8	1.028462	-0.514269	-2.173517
8	2.145832	-2.142428	-1.213328
6	1.531385	-1.131056	-1.118446
6	1.253332	-0.450438	0.213161
1	1.254724	-1.007920	-2.946154
1	-0.223321	3.229939	-1.673784
1	2.067285	3.652486	-1.310498
1	1.729109	3.789758	0.392873
1	-0.305323	4.289717	-0.462982
8	3.056720	1.518875	-0.420797
7	0.942259	0.949467	0.068732
6	1.895796	1.818136	-0.294371
6	1.452741	3.255238	-0.509325
7	0.024045	3.385228	-0.719538

-1041.27432 Kick0231.log

1	4.727657	-0.860675	0.829030
1	4.338532	-0.213406	-0.467953
8	4.605726	-1.032575	-0.090813
1	3.784658	1.007608	1.794089
1	4.759747	0.927444	2.972636
8	4.227530	0.420785	2.388721
1	-5.452080	-0.451039	-0.784940
1	-5.601530	1.797279	0.198100
1	-3.712846	2.755868	1.442355
1	-1.628305	1.498161	1.722649
1	-3.663936	-2.618316	-1.002132
1	-1.348632	-3.207306	-0.303357
1	0.024543	-0.467020	2.096828
1	0.358012	-2.102988	1.616595
1	2.086722	-0.535913	0.898189
6	-4.621631	-0.031128	-0.244894
6	-4.697797	1.224652	0.307812
6	-3.618054	1.772617	1.017208
6	-2.449172	1.067744	1.177205
6	-2.342118	-0.212696	0.623192
6	-3.434284	-0.740769	-0.076065
7	-3.084015	-1.993976	-0.499725

6	-1.808660	-2.267692	-0.078128
6	-1.300099	-1.219262	0.607174
6	0.062978	-1.132900	1.242480
1	0.041436	0.792461	-0.755142
8	2.024016	-1.133528	-1.854622
8	1.394586	-2.831002	-0.606007
6	1.525856	-1.664553	-0.749313
6	1.180904	-0.632013	0.317610
1	2.347428	-1.833259	-2.400194
1	0.453810	2.383881	-2.815417
1	2.153806	3.339858	-1.517496
1	0.986289	3.621887	-0.257207
1	-0.416928	3.481459	-2.014371
8	2.852519	1.668130	0.215351
7	0.886093	0.665062	-0.245536
6	1.757051	1.672472	-0.298272
6	1.281387	2.919188	-1.028772
7	0.156270	2.673995	-1.908556

-1041.27469 Kick0252.log

1	-4.034937	-0.113700	-2.131754
1	-5.236596	-0.631524	-1.359645
8	-4.351726	-0.832082	-1.601700
1	-2.753501	1.811801	-1.929384
1	-2.789539	1.758299	-3.456370
8	-3.260467	1.528597	-2.677726
1	5.257035	-0.804729	0.136215
1	5.369391	1.569548	-0.491521
1	3.360197	2.771363	-1.237101
1	1.191278	1.634864	-1.357159
1	3.411397	-2.930625	0.294879
1	0.980948	-3.325739	-0.077243
1	-0.603535	-0.149751	-1.707420
1	-0.959822	-1.833570	-1.497999
1	-2.444061	-0.379491	-0.230495
6	4.374086	-0.278333	-0.181854
6	4.429232	1.048888	-0.534695
6	3.280809	1.735863	-0.957352
6	2.063421	1.099865	-1.025514
6	1.977104	-0.249540	-0.666486
6	3.137584	-0.916870	-0.256464
7	2.791179	-2.211954	0.017234
6	1.449092	-2.374522	-0.222260
6	0.895885	-1.212122	-0.632676
6	-0.542834	-0.968201	-1.001811
1	-0.542011	0.337914	1.835759
8	-2.110720	-1.511686	2.284686
8	-1.623256	-2.954713	0.703509
6	-1.720023	-1.831036	1.055989
6	-1.468914	-0.621394	0.174384
1	-2.295267	-2.309530	2.754856
1	-1.079159	2.301611	3.477596
1	-1.238710	3.643461	1.558537
1	0.365445	3.129136	1.112563

1	0.458870	2.763957	3.331427
8	-1.650634	2.138387	-0.424243
7	-1.011517	0.496520	0.975660
6	-1.141309	1.767584	0.608083
6	-0.560684	2.796048	1.566023
7	-0.277331	2.262761	2.885085

-1041.27476 Kick0126.log

1	5.146133	-0.565150	-1.932306
1	4.783103	0.589817	-1.014841
8	5.380768	-0.129149	-1.133166
1	5.296609	-1.175538	0.479051
1	5.709501	-1.714610	1.856388
8	4.984176	-1.581114	1.276306
1	3.780361	1.257865	1.404498
1	3.224614	3.526149	0.607561
1	1.291366	3.901612	-0.862292
1	-0.134914	2.035379	-1.559670
1	3.001953	-1.393568	1.071648
1	1.134690	-2.683689	0.019843
1	-0.853667	-0.380266	-2.381302
1	-0.644714	-2.064250	-1.996318
1	-2.894077	-1.300232	-1.505851
6	2.942732	1.427222	0.751774
6	2.622558	2.687854	0.304259
6	1.515531	2.902880	-0.532591
6	0.716027	1.856611	-0.927070
6	1.020601	0.560834	-0.493100
6	2.133065	0.367276	0.338052
7	2.230183	-0.966540	0.608615
6	1.223811	-1.618465	-0.046303
6	0.441310	-0.745079	-0.725238
6	-0.765689	-1.082115	-1.559793
1	-1.780418	0.631397	0.405609
8	-2.649959	-1.871563	1.389608
8	-1.784692	-3.307954	-0.028638
6	-2.145711	-2.205712	0.212586
6	-2.104888	-1.069964	-0.802872
1	-2.668972	-2.643145	1.933826
1	-3.125058	1.707549	2.378078
1	-4.881823	2.036180	0.832068
1	-3.742785	2.830876	-0.221839
1	-2.770261	3.170013	1.800093
8	-4.562379	0.262145	-0.906804
7	-2.412110	0.215629	-0.238888
6	-3.658384	0.732119	-0.278331
6	-3.849347	2.027082	0.498770
7	-2.870164	2.209687	1.554053

-1041.27491 Kick0392.log

1	3.895976	0.074771	0.969095
1	4.675887	-0.832636	0.041711
8	4.367271	-0.740340	0.925796
1	-1.069436	-0.868277	2.042624

1	0.357292	-1.403647	2.178764
8	-0.193280	-0.642961	2.299833
1	-4.852671	-0.304574	1.449445
1	-4.777481	-2.526012	0.397494
1	-3.057902	-3.070987	-1.270846
1	-1.364195	-1.419501	-1.911505
1	-3.477394	2.157311	1.443009
1	-1.517928	3.196445	0.318731
1	-0.189783	0.814476	-2.465167
1	-0.051560	2.471687	-1.964465
1	2.014329	1.153798	-1.692858
6	-4.093607	-0.544096	0.725570
6	-4.045694	-1.783892	0.132630
6	-3.061648	-2.095565	-0.818176
6	-2.111027	-1.169592	-1.179258
6	-2.130554	0.097684	-0.586801
6	-3.128713	0.390109	0.351838
7	-2.935885	1.678994	0.767357
6	-1.843573	2.196814	0.121440
6	-1.308338	1.281879	-0.715956
6	-0.099745	1.455610	-1.595639
1	0.774167	-0.376066	0.470211
8	2.655816	1.796791	0.870375
8	1.197423	3.268384	0.148035
6	1.652894	2.180198	0.081346
6	1.245496	1.119863	-0.930638
1	2.863684	2.507455	1.457252
1	2.697400	-2.151524	1.568043
1	2.790096	-3.117854	-0.611633
1	1.042776	-3.034071	-0.646752
1	1.732026	-3.440780	1.555361
8	2.712393	-1.038437	-1.885138
7	1.289534	-0.204376	-0.364114
6	2.030989	-1.188938	-0.907367
6	1.935129	-2.558493	-0.250760
7	1.838933	-2.512760	1.201172

-1041.27516 Kick0190.log

1	-2.609197	1.382898	-0.879803
1	-1.201091	1.938933	-1.070863
8	-2.098071	2.009660	-1.359739
1	-2.049783	3.957692	-1.285873
1	-2.222294	5.367003	-0.712613
8	-1.604629	4.770639	-1.091409
1	-4.312967	-1.707886	-1.037406
1	-4.986642	-0.050400	0.649457
1	-3.377826	0.780583	2.311749
1	-1.061498	-0.022505	2.325513
1	-2.072929	-3.225416	-1.825848
1	0.299619	-3.543862	-1.146915
1	0.980118	-1.608493	2.163051
1	1.685103	-2.860835	1.184233
1	3.017253	-0.801724	1.217562
6	-3.606604	-1.344944	-0.312035

6	-3.975857	-0.417199	0.634311
6	-3.056477	0.057101	1.584374
6	-1.757572	-0.394942	1.595984
6	-1.356000	-1.342403	0.647707
6	-2.290663	-1.803642	-0.288784
7	-1.659709	-2.722174	-1.081006
6	-0.361734	-2.856964	-0.660465
6	-0.113078	-2.038445	0.386462
6	1.183669	-1.903928	1.140656
1	0.855587	0.603495	-0.171049
8	3.004102	-0.408821	-1.634401
8	2.971851	-2.511105	-1.000142
6	2.740271	-1.373043	-0.767221
6	2.165326	-0.877007	0.554106
1	3.404661	-0.793676	-2.398278
1	1.301668	2.831712	-1.388475
1	2.371075	3.599232	0.585605
1	0.951606	3.121284	1.477324
1	0.170480	3.665021	-0.611915
8	3.210080	1.490263	1.634442
7	1.603815	0.442746	0.458873
6	2.230186	1.535569	0.949709
6	1.571583	2.867409	0.624144
7	0.734764	2.838925	-0.564889

-1041.27585 Kick0371.log

1	4.797579	-2.966120	-1.719658
1	3.942186	-1.770971	-1.299291
8	4.193923	-2.655610	-1.071275
1	1.928950	-0.913167	-1.436703
1	2.618490	0.412947	-1.128053
8	2.669330	-0.366928	-1.651893
1	2.206355	3.991881	-0.968062
1	3.856952	2.934793	0.516808
1	3.192421	1.154741	2.075262
1	0.866968	0.385398	2.182733
1	-0.548212	3.913884	-1.567153
1	-2.572857	2.640405	-0.880404
1	-1.715545	0.355980	2.159978
1	-3.099838	0.997100	1.326765
1	-2.902985	-1.406254	1.079406
6	1.913602	3.208793	-0.291225
6	2.831217	2.613168	0.542777
6	2.451499	1.594960	1.432843
6	1.147972	1.159990	1.492046
6	0.194581	1.746676	0.652531
6	0.592978	2.767876	-0.219400
7	-0.516837	3.180625	-0.903865
6	-1.599353	2.454482	-0.475158
6	-1.228240	1.557279	0.465160
6	-2.115594	0.573252	1.178077
1	-0.575393	-1.372595	-0.646909
8	-2.600832	-1.262244	-1.869782
8	-4.041693	0.089264	-0.910465

6	-3.073696	-0.586482	-0.832633
6	-2.285270	-0.774827	0.451375
1	-3.157168	-1.099072	-2.615474
1	0.595912	-3.486179	-1.186979
1	0.751397	-3.959156	1.134198
1	1.598098	-2.453084	1.330613
1	2.105146	-3.080826	-0.794235
8	-0.957122	-2.428371	2.243995
7	-1.046562	-1.473470	0.217922
6	-0.487275	-2.262388	1.153233
6	0.815531	-2.941337	0.762274
7	1.142682	-2.843902	-0.651042

-1041.27631 Kick0156.log

1	-4.577698	3.340427	1.921172
1	-5.410131	3.301258	0.644831
8	-4.625648	2.983789	1.053122
1	3.313942	4.580993	1.398614
1	2.271003	4.163511	0.360647
8	2.482842	4.159114	1.281417
1	-4.578083	-0.579266	1.046002
1	-4.360483	-3.028872	0.910159
1	-2.448888	-4.059442	-0.239081
1	-0.706937	-2.675225	-1.264543
1	-3.277746	1.767491	0.243439
1	-1.228091	2.427774	-1.006907
1	0.442233	-0.685537	-2.597677
1	0.504272	1.052220	-2.651157
1	2.568751	0.124935	-1.807460
6	-3.740479	-1.033076	0.546440
6	-3.611251	-2.398089	0.465005
6	-2.518421	-2.987211	-0.191283
6	-1.542300	-2.212575	-0.769892
6	-1.646690	-0.818081	-0.700787
6	-2.748503	-0.251459	-0.045747
7	-2.633598	1.106534	-0.128253
6	-1.495640	1.407199	-0.821647
6	-0.844000	0.280185	-1.194969
6	0.438027	0.205846	-1.980818
1	1.039975	-1.140303	0.356879
8	2.137085	1.414985	0.876037
8	1.837959	2.557099	-0.982558
6	1.898254	1.511789	-0.407814
6	1.723980	0.183875	-1.135308
1	2.267886	2.282844	1.249781
1	1.970125	-1.786446	2.703482
1	3.878422	-2.634437	1.583924
1	2.807301	-3.573419	0.577222
1	1.550514	-3.324088	2.455837
8	4.000262	-1.309702	-0.533745
7	1.792159	-0.959219	-0.266925
6	2.968998	-1.551644	0.025045
6	2.907351	-2.627903	1.099624
7	1.781108	-2.468716	1.999973

-1041.27643 Kick0060.log

1	6.033760	0.876104	-0.816724
1	4.806037	0.017225	-1.093779
8	5.713959	-0.006661	-0.821638
1	5.707606	-1.084673	0.745968
1	6.094556	-2.476379	1.209176
8	5.556174	-1.735638	1.418085
1	-5.249561	-1.312321	1.459628
1	-4.688928	-3.429578	0.343448
1	-2.838409	-3.553344	-1.266925
1	-1.496167	-1.570995	-1.789528
1	-4.443146	1.385345	1.541406
1	-2.717537	2.851852	0.510002
1	-0.866815	0.931756	-2.305363
1	-1.080753	2.546887	-1.696739
1	1.208890	1.782352	-1.446605
6	-4.436029	-1.365038	0.757570
6	-4.117019	-2.544375	0.129211
6	-3.058898	-2.615121	-0.790102
6	-2.307136	-1.503983	-1.086737
6	-2.608169	-0.289306	-0.460407
6	-3.671253	-0.241550	0.449020
7	-3.767528	1.045941	0.903555
6	-2.802217	1.806155	0.296439
6	-2.058947	1.049019	-0.541279
6	-0.913876	1.521418	-1.397238
1	0.252605	-0.404848	0.271151
8	1.214715	2.002091	1.475190
8	0.121526	3.547626	0.360633
6	0.562133	2.449277	0.416711
6	0.469866	1.449532	-0.730104
1	1.262756	2.695054	2.115071
1	1.718060	-1.919616	1.939419
1	3.336740	-1.822164	0.320363
1	2.204517	-2.463230	-0.841678
1	1.171038	-3.129561	1.032142
8	2.906486	0.169453	-1.210950
7	0.834420	0.111602	-0.348576
6	2.054411	-0.395460	-0.566817
6	2.304758	-1.783726	-0.001383
7	1.358268	-2.151243	1.037835

-1041.27687 Kick0137.log

1	-4.261760	-1.670906	-1.210382
1	-3.308495	-2.759566	-0.757098
8	-3.662905	-2.335362	-1.518046
1	-5.794672	0.328910	-0.901768
1	-4.408170	0.613594	-0.336570
8	-5.071200	-0.053579	-0.441375
1	5.368042	-0.760411	0.977022
1	5.765919	1.307551	-0.291273
1	4.006223	2.276828	-1.704549
1	1.806608	1.213104	-1.874811

1	3.369139	-2.696134	1.411290
1	1.016832	-3.138039	0.731921
1	-0.050663	-0.662978	-2.050733
1	-0.570658	-2.133934	-1.294864
1	-2.131350	-0.396151	-0.885164
6	4.593712	-0.334316	0.363524
6	4.808702	0.820722	-0.349065
6	3.802961	1.375046	-1.155329
6	2.568900	0.778529	-1.253161
6	2.319868	-0.396917	-0.535632
6	3.340900	-0.935082	0.257244
7	2.857674	-2.079736	0.830773
6	1.569172	-2.279963	0.407398
6	1.179750	-1.283942	-0.419130
6	-0.161222	-1.155017	-1.091798
1	0.058793	1.221442	0.233446
8	-1.565558	-0.364338	2.073963
8	-1.846817	-2.268803	1.021388
6	-1.571885	-1.114725	0.986929
6	-1.225366	-0.375946	-0.299761
1	-1.835060	-0.896898	2.806051
1	0.008953	3.200291	1.939554
1	-1.984724	3.868183	0.889355
1	-1.132415	3.892286	-0.629391
1	0.606885	4.157573	0.788034
8	-2.934962	1.850544	-0.254264
7	-0.856643	0.999958	-0.084945
6	-1.759679	1.985998	-0.022982
6	-1.214379	3.364890	0.314682
7	0.086613	3.324336	0.952612

-1041.27701 Kick0261.log

1	1.727243	5.038633	2.129553
1	1.739576	4.552364	0.673293
8	2.074058	4.394345	1.541491
1	4.843984	-2.086780	-0.634922
1	6.186615	-1.770218	-0.009065
8	5.585098	-2.468380	-0.189719
1	-5.206669	-0.260688	1.420611
1	-5.000069	-2.688910	1.097957
1	-3.158301	-3.631862	-0.225597
1	-1.473089	-2.174328	-1.245931
1	-3.943783	2.146930	0.686846
1	-1.956121	2.894602	-0.612705
1	-0.411902	-0.103114	-2.508525
1	-0.331230	1.632956	-2.438846
1	1.767410	0.608338	-1.793768
6	-4.396931	-0.671682	0.843554
6	-4.275073	-2.027471	0.658086
6	-3.222177	-2.566188	-0.097521
6	-2.278096	-1.750621	-0.673074
6	-2.376091	-0.365424	-0.499687
6	-3.437454	0.149351	0.253821
7	-3.316580	1.512799	0.259264

6	-2.217068	1.864604	-0.480768
6	-1.597213	0.765138	-0.963633
6	-0.365682	0.740382	-1.829525
1	0.409401	-0.722559	0.447316
8	1.688822	1.720477	0.939312
8	1.040820	3.001460	-0.731113
6	1.223921	1.916937	-0.267901
6	0.966941	0.644557	-1.067334
1	1.873661	2.556902	1.360600
1	1.613443	-1.710560	2.567994
1	3.206481	-2.582110	1.077430
1	1.911960	-3.332858	0.190837
1	0.933539	-3.127649	2.215662
8	3.121964	-1.133733	-0.983467
7	1.070065	-0.552035	-0.275652
6	2.182902	-1.300519	-0.246535
6	2.181645	-2.445848	0.754129
7	1.224233	-2.256726	1.828896

-1041.27708 Kick0276.log

1	-4.544056	-1.410491	0.573078
1	-5.112231	-1.511252	1.998052
8	-4.326141	-1.527885	1.483814
1	-2.805830	-3.056590	-0.654216
1	-3.043058	-3.318981	0.806140
8	-2.647157	-3.680856	0.032229
1	4.212102	-2.315220	1.602522
1	5.650268	-0.417831	0.988018
1	4.853683	1.316838	-0.558102
1	2.603302	1.204042	-1.517884
1	1.651271	-3.370513	1.069185
1	-0.359357	-2.805009	-0.249256
1	0.425943	0.240397	-2.568149
1	-0.752089	-1.022651	-2.390799
1	-1.691228	1.176891	-1.977447
6	3.860277	-1.554783	0.927551
6	4.658386	-0.491674	0.578775
6	4.203207	0.499094	-0.304098
6	2.941725	0.435493	-0.846020
6	2.106865	-0.635401	-0.508267
6	2.583497	-1.613723	0.373033
7	1.592786	-2.544363	0.528038
6	0.516262	-2.187764	-0.239635
6	0.765106	-1.027246	-0.889366
6	-0.157832	-0.307075	-1.837381
1	0.317777	1.467987	0.140099
8	-2.156386	0.177820	0.913585
8	-2.960074	-0.794697	-0.888841
6	-2.178879	-0.048343	-0.373893
6	-1.130784	0.697167	-1.188184
1	-2.831958	-0.334806	1.346354
1	0.175835	2.781465	2.405942
1	-1.002840	4.455983	1.222989
1	0.308712	4.499509	0.074273

1	1.383076	3.733847	1.920794
8	-2.067499	3.250168	-0.698275
7	-0.442098	1.718132	-0.449550
6	-1.032672	2.907200	-0.202845
6	-0.263828	3.841549	0.719305
7	0.647993	3.140946	1.603578

-1041.27712 Kick0145.log

1	-0.349621	-0.365549	1.818691
1	0.975965	-0.052438	2.495826
8	0.095624	-0.344968	2.650474
1	-1.750989	-3.159693	3.464073
1	-0.646457	-2.190789	3.029963
8	-1.209588	-2.895528	2.744011
1	4.579261	-0.550445	1.151697
1	4.750409	1.902969	1.152729
1	3.147492	3.277180	-0.103089
1	1.330665	2.241222	-1.372110
1	3.003968	-2.623208	0.075240
1	0.993881	-2.885413	-1.361812
1	-0.058746	0.492512	-2.903559
1	-0.388281	-1.213672	-2.997492
1	-2.351393	-0.118706	-2.225860
6	3.869450	0.050425	0.610755
6	3.960201	1.422463	0.604083
6	3.044593	2.207183	-0.112859
6	2.023715	1.626095	-0.826714
6	1.899427	0.231680	-0.831278
6	2.833125	-0.532424	-0.117105
7	2.511556	-1.849637	-0.296353
6	1.407492	-1.932128	-1.103433
6	0.981012	-0.699216	-1.457015
6	-0.226674	-0.396848	-2.306897
1	-0.683709	1.264240	-0.250190
8	-1.744828	-1.281082	0.597996
8	-2.028301	-2.507740	-1.212194
6	-1.814994	-1.458978	-0.707119
6	-1.538005	-0.197432	-1.519991
1	-1.828673	-2.097002	1.084877
1	-1.226741	2.031221	2.174191
1	-3.348097	2.693916	1.355154
1	-2.531273	3.630012	0.131418
1	-0.951542	3.562564	1.758914
8	-3.745489	1.248134	-0.657964
7	-1.511888	1.007991	-0.733145
6	-2.656617	1.572928	-0.286174
6	-2.478095	2.712374	0.707421
7	-1.204415	2.666480	1.403883

-1041.27759 Kick0172.log

1	5.344578	-0.685735	-1.840040
1	3.969503	-0.106047	-1.506001
8	4.422712	-0.861379	-1.856306
1	3.542371	-2.312602	-1.036899

1	2.509090	-3.423836	-1.173708
8	2.964506	-2.887280	-0.551797
1	-4.216317	-2.794342	0.732522
1	-2.392772	-4.404207	1.091309
1	-0.076090	-3.838711	0.484318
1	0.469924	-1.674284	-0.490649
1	-4.668109	-0.210340	-0.289223
1	-3.359747	1.671257	-1.260036
1	0.261568	0.557811	-1.984974
1	-0.832407	1.878714	-2.273208
1	1.047308	2.593460	-0.962606
6	-3.203159	-2.545812	0.468792
6	-2.178851	-3.440130	0.664998
6	-0.857388	-3.119255	0.316966
6	-0.547614	-1.896564	-0.228886
6	-1.570581	-0.963676	-0.434271
6	-2.881612	-1.307823	-0.085643
7	-3.685242	-0.243170	-0.394890
6	-2.914058	0.752424	-0.937409
6	-1.616196	0.377936	-0.980679
6	-0.472600	1.198880	-1.511870
1	0.418057	0.934654	1.364612
8	-0.677309	3.112479	1.462018
8	-1.313724	3.807740	-0.522641
6	-0.659072	3.077025	0.139333
6	0.273219	2.036027	-0.452194
1	-1.282898	3.782843	1.737453
1	2.111608	0.477734	3.427483
1	3.695783	0.231531	1.771236
1	2.763220	-1.078035	1.104766
1	1.749465	-1.058333	3.082109
8	2.885328	1.092896	-0.500556
7	0.917644	1.240085	0.562052
6	2.174519	0.813745	0.439694
6	2.684486	-0.092963	1.546681
7	1.811483	-0.139209	2.704656

-1041.27789 Kick0159.log

1	3.094006	-1.286466	3.786592
1	2.109810	-0.562418	2.869180
8	2.630375	-1.347840	2.972905
1	0.491684	1.425471	2.098838
1	1.910171	1.357399	1.547539
8	1.372631	1.140215	2.289572
1	4.437072	-0.035901	0.408992
1	4.570382	2.091910	-0.829214
1	2.759732	2.781612	-2.340823
1	0.771105	1.380472	-2.636460
1	2.592434	-2.059650	0.977489
1	0.496745	-2.999999	0.030500
1	-0.861630	-0.531944	-2.725664
1	-1.124375	-2.177538	-2.228366
1	-2.928698	-0.582978	-1.560236
6	3.645184	0.270836	-0.250281

6	3.709171	1.457774	-0.943350
6	2.673837	1.852535	-1.806200
6	1.559595	1.064726	-1.976677
6	1.463743	-0.141645	-1.273937
6	2.513706	-0.524567	-0.430388
7	2.192006	-1.730196	0.128050
6	0.945218	-2.089272	-0.310671
6	0.453767	-1.175076	-1.178780
6	-0.887262	-1.187798	-1.864017
1	-0.950990	0.602265	0.244164
8	-2.760484	-1.339602	1.239362
8	-2.421537	-2.960268	-0.203283
6	-2.409751	-1.804012	0.048548
6	-2.039829	-0.719248	-0.958530
1	-3.019186	-2.070718	1.778542
1	-1.973762	1.771174	2.460075
1	-3.187096	3.196821	0.958085
1	-1.703108	3.376451	0.048032
1	-1.134858	3.127275	2.295530
8	-3.744003	1.512242	-0.748888
7	-1.756546	0.544710	-0.330763
6	-2.682979	1.517222	-0.199068
6	-2.270288	2.695104	0.673001
7	-1.436883	2.308245	1.808707

-1041.27851 Kick0184.log

1	4.061269	2.121962	-0.603666
1	3.371100	0.916910	-1.198370
8	3.675853	1.787094	-1.393813
1	3.270833	-3.768608	-0.544123
1	4.174105	-3.911561	-1.786138
8	3.747418	-3.305088	-1.211419
1	-4.853248	-1.041164	-1.807320
1	-5.475181	1.268745	-1.241080
1	-4.140179	2.578416	0.351489
1	-2.147089	1.617489	1.404778
1	-2.915283	-2.988571	-1.184534
1	-0.890377	-3.219403	0.245207
1	-0.547458	-0.092111	2.532155
1	0.061928	-1.714053	2.393180
1	1.776970	-0.006097	2.012866
6	-4.264909	-0.468136	-1.112249
6	-4.606423	0.823025	-0.790277
6	-3.842842	1.571559	0.118869
6	-2.726134	1.033840	0.711867
6	-2.353098	-0.278552	0.401257
6	-3.133001	-1.007668	-0.503790
7	-2.571774	-2.250283	-0.623089
6	-1.468307	-2.320448	0.187949
6	-1.278931	-1.148898	0.834796
6	-0.188877	-0.829885	1.823822
1	0.304804	0.909576	-0.358674
8	2.598531	-0.913995	-0.554135
8	1.812453	-2.508883	0.737853

6	1.852930	-1.357913	0.436138
6	1.105683	-0.274980	1.206383
1	3.074784	-1.641270	-0.951368
1	1.503325	2.617856	-2.059852
1	1.959687	3.942573	-0.179926
1	0.296329	3.738651	0.317010
1	0.169246	3.529147	-1.955830
8	2.328476	2.220752	1.589475
7	0.889529	0.924425	0.444751
6	1.528601	2.082612	0.704952
6	1.126718	3.248928	-0.183196
7	0.701406	2.820369	-1.500036

-1041.27868 Kick0058.log

1	-5.286369	-1.544977	-1.615423
1	-4.067942	-2.102979	-0.881535
8	-4.573932	-1.319689	-1.047760
1	-2.024599	-3.504401	-0.214812
1	-3.259850	-4.215370	0.317943
8	-2.958178	-3.602046	-0.326624
1	-3.246394	3.239186	-1.026685
1	-1.604307	5.056154	-0.798507
1	0.526333	4.687946	0.368237
1	1.076806	2.497467	1.312665
1	-3.572871	0.467752	-0.410596
1	-2.395159	-1.260089	0.829781
1	0.800632	0.053875	2.528876
1	-0.206128	-1.358787	2.406513
1	1.946204	-1.872939	1.530093
6	-2.309515	3.074245	-0.524445
6	-1.387795	4.084527	-0.390910
6	-0.170185	3.873898	0.274254
6	0.139458	2.644933	0.805908
6	-0.775874	1.593884	0.676943
6	-1.993921	1.830192	0.019775
7	-2.720138	0.674108	0.056651
6	-1.991949	-0.278492	0.701723
6	-0.794960	0.210110	1.102755
6	0.264569	-0.575029	1.827472
1	1.781100	0.485632	-0.211574
8	0.993479	-2.034413	-1.317052
8	-0.143661	-3.023118	0.277263
6	0.639424	-2.189457	-0.059926
6	1.318196	-1.239438	0.918724
1	0.546211	-2.675716	-1.846795
1	3.106538	0.938103	-2.415597
1	4.976757	-0.035389	-1.350884
1	4.760913	1.093521	-0.040701
1	3.785137	2.233835	-1.739111
8	4.035652	-1.541837	0.423779
7	2.177105	-0.282842	0.278589
6	3.473760	-0.562757	0.025166
6	4.227975	0.492822	-0.769826
7	3.356607	1.355785	-1.544442

-1041.27874 Kick0205.log

1	4.177989	0.787805	0.189118
1	4.496609	-0.266275	-0.833016
8	4.765641	0.075257	0.004504
1	4.778378	-2.312482	2.340243
1	4.394055	-1.198176	1.369524
8	4.052666	-1.838559	1.980036
1	-5.023186	-0.719126	1.816374
1	-4.996970	-2.784873	0.483758
1	-3.411255	-3.066891	-1.371041
1	-1.808564	-1.300888	-1.930162
1	-3.723102	1.774974	1.993075
1	-1.898406	3.015606	0.844122
1	-0.782943	1.008971	-2.316282
1	-0.681192	2.621157	-1.678854
1	1.477883	1.391612	-1.759095
6	-4.325288	-0.842181	1.006836
6	-4.304832	-1.993502	0.257392
6	-3.397758	-2.154937	-0.801367
6	-2.499148	-1.164470	-1.117082
6	-2.495989	0.018314	-0.369500
6	-3.413168	0.158871	0.678229
7	-3.215107	1.393693	1.234754
6	-2.204926	2.030185	0.562484
6	-1.722599	1.242074	-0.424456
6	-0.629279	1.575816	-1.405318
1	0.395138	-0.423905	0.284981
8	2.411210	1.954556	0.699501
8	0.726254	3.314842	0.354196
6	1.265441	2.291757	0.109814
6	0.798293	1.273782	-0.923847
1	2.640118	2.633822	1.315301
1	1.924419	-2.272880	1.591347
1	2.786924	-2.753278	-0.476584
1	1.167980	-2.919308	-1.109268
1	0.761906	-3.274607	1.078833
8	2.613557	-0.656595	-1.866004
7	0.954816	-0.080108	-0.462177
6	1.840445	-0.942135	-0.985837
6	1.782670	-2.351206	-0.417556
7	1.204065	-2.398081	0.908995

-1041.27897 Kick0130.log

1	4.478339	-3.683086	-1.351008
1	3.171729	-3.734760	-0.547451
8	3.594732	-3.368087	-1.306648
1	4.047311	2.032119	-0.686630
1	3.296442	0.869077	-1.290910
8	3.647124	1.723064	-1.480046
1	-4.836468	-1.015505	-1.820006
1	-5.453764	1.297059	-1.259771
1	-4.126354	2.602363	0.342611
1	-2.145141	1.634694	1.411648

1	-2.906322	-2.967666	-1.187388
1	-0.899085	-3.208852	0.262815
1	-0.553388	-0.081022	2.549824
1	0.049399	-1.705857	2.412496
1	1.780071	-0.022069	2.036035
6	-4.251413	-0.444403	-1.120659
6	-4.590348	0.848178	-0.801940
6	-3.831054	1.594267	0.112842
6	-2.721092	1.052681	0.714733
6	-2.350530	-0.261250	0.407276
6	-3.126308	-0.987997	-0.503245
7	-2.569732	-2.233135	-0.616795
6	-1.472245	-2.306981	0.201138
6	-1.283001	-1.135605	0.848833
6	-0.196318	-0.820598	1.842739
1	0.279909	0.944564	-0.298397
8	2.505355	-0.940811	-0.601484
8	1.832286	-2.502825	0.789536
6	1.831205	-1.361628	0.447680
6	1.103693	-0.273005	1.228414
1	2.957368	-1.678221	-1.010253
1	1.457468	2.629985	-2.050510
1	2.053245	3.915745	-0.184421
1	0.409548	3.769406	0.391763
1	0.157303	3.576976	-1.870322
8	2.447940	2.165446	1.550466
7	0.896776	0.936489	0.480945
6	1.596143	2.066047	0.709973
6	1.196031	3.253263	-0.150993
7	0.692146	2.849923	-1.447788

-1041.27973 Kick0095.log

1	0.182660	4.017768	-0.339497
1	0.314108	4.871325	-1.608899
8	0.550545	4.052624	-1.212533
1	3.850241	3.725206	-0.897095
1	2.433710	3.261786	-1.207840
8	3.310280	2.965759	-1.012723
1	4.158225	-1.784219	-1.191887
1	3.282092	-4.082660	-1.183202
1	1.216871	-4.638066	0.025923
1	-0.031827	-2.913274	1.233521
1	3.455076	0.837295	-0.304981
1	1.832799	1.875049	1.182162
1	-0.687096	-0.700535	2.627284
1	-0.208892	0.966220	2.773916
1	-2.379887	0.926323	1.819243
6	3.248825	-2.024368	-0.669871
6	2.753658	-3.306435	-0.658534
6	1.573634	-3.623569	0.030962
6	0.872324	-2.656007	0.710239
6	1.347170	-1.339773	0.707331
6	2.536673	-1.047157	0.022953
7	2.805136	0.281760	0.199666

6	1.807006	0.831415	0.950065
6	0.886668	-0.098168	1.293365
6	-0.380797	0.170908	2.060419
1	-1.426675	-1.089549	-0.088968
8	-1.114450	1.624679	-0.932647
8	-0.872364	2.850691	0.879361
6	-1.165781	1.813095	0.364479
6	-1.576933	0.594342	1.177935
1	-0.733457	2.382393	-1.357260
1	-2.238237	-1.662546	-2.471757
1	-4.441695	-1.227215	-1.719461
1	-4.178822	-2.380185	-0.438361
1	-2.717932	-3.129584	-2.008236
8	-4.165719	0.308722	0.247888
7	-2.069544	-0.491871	0.376650
6	-3.337883	-0.489351	-0.086216
6	-3.692151	-1.620231	-1.040190
7	-2.533030	-2.204679	-1.687316

-1041.27982 Kick0100.log

1	1.890808	-3.578896	-1.240564
1	3.027591	-2.589157	-1.007778
8	2.283286	-3.014025	-0.601255
1	4.178867	-0.593240	-1.328327
1	5.324718	-1.573008	-1.584133
8	4.397088	-1.452559	-1.663581
1	-4.948712	-1.637694	0.820355
1	-3.695962	-3.753229	0.856266
1	-1.368772	-3.852112	0.077197
1	-0.234200	-1.845706	-0.746879
1	-4.639922	1.061460	0.078296
1	-2.887573	2.548273	-0.877579
1	0.133370	0.444675	-2.057183
1	-0.527349	2.048901	-2.182388
1	1.591008	2.072413	-1.045110
6	-3.929914	-1.679705	0.476845
6	-3.223454	-2.857976	0.492777
6	-1.894605	-2.914525	0.045134
6	-1.257635	-1.790734	-0.424592
6	-1.954345	-0.577576	-0.453450
6	-3.279159	-0.544289	-0.002540
7	-3.730492	0.740611	-0.141533
6	-2.729410	1.508414	-0.677830
6	-1.620094	0.764655	-0.885641
6	-0.326502	1.244220	-1.488039
1	0.563281	0.319480	1.080425
8	0.517966	3.053369	1.512688
8	-0.342626	3.878738	-0.331767
6	0.227885	3.001840	0.224039
6	0.724631	1.749629	-0.483701
1	0.201266	3.873528	1.857612
1	1.802754	-1.744917	2.971666
1	3.198257	-0.039692	2.408587
1	3.616691	-1.251063	1.222858

1	1.487103	-2.156306	1.441267
8	3.331755	0.773273	-0.238318
7	1.185711	0.733784	0.425054
6	2.464723	0.353005	0.494493
6	2.802846	-0.638723	1.593685
7	1.652956	-1.384890	2.054508

-1041.28055 Kick0018.log

1	3.169587	0.247411	1.789441
1	4.369779	-0.614494	1.444425
8	3.606004	-0.558861	1.999729
1	6.114142	-1.059434	-0.609295
1	4.685773	-0.579631	-0.885541
8	5.385400	-0.591200	-0.248330
1	-5.172797	-0.605236	1.624175
1	-4.967123	-2.846014	0.634355
1	-3.218645	-3.336863	-1.019434
1	-1.627917	-1.607730	-1.713249
1	-3.978377	1.943499	1.509193
1	-2.103078	3.076476	0.330313
1	-0.653687	0.708869	-2.394041
1	-0.630828	2.385010	-1.934583
1	1.546602	1.302066	-1.677128
6	-4.403818	-0.819083	0.902768
6	-4.282915	-2.068543	0.344664
6	-3.283038	-2.349080	-0.599472
6	-2.391292	-1.380037	-0.990952
6	-2.489085	-0.098521	-0.437436
6	-3.497885	0.159496	0.497844
7	-3.389394	1.472568	0.869007
6	-2.347524	2.044350	0.186972
6	-1.754893	1.136889	-0.621343
6	-0.589298	1.377784	-1.543751
1	0.374213	-0.502367	0.327837
8	1.914120	1.908785	1.084945
8	0.681584	3.376651	0.019864
6	1.092751	2.270787	0.105444
6	0.795721	1.172381	-0.907887
1	2.075992	2.664783	1.628463
1	1.881340	-2.019739	1.885022
1	3.044634	-2.623890	-0.030160
1	1.524182	-2.989110	-0.811036
1	0.994767	-3.283280	1.383944
8	2.833402	-0.636629	-1.552144
7	0.977429	-0.153903	-0.382330
6	1.993564	-0.949948	-0.741689
6	2.005158	-2.325454	-0.098357
7	1.286632	-2.358154	1.156747

-1041.28481 Kick0064.log

1	-5.429606	-2.823392	-0.621221
1	-4.000763	-2.290367	-0.498009
8	-4.694158	-2.747412	-0.042866
1	-4.857631	-0.635854	2.520459

1	-4.490263	-1.759210	1.538181
8	-4.143457	-1.076387	2.099785
1	4.156259	-2.642296	1.623450
1	5.636912	-0.712047	1.269216
1	4.952771	1.152051	-0.176710
1	2.770143	1.138820	-1.291260
1	1.627716	-3.616983	0.852904
1	-0.283186	-2.924394	-0.578743
1	0.645264	0.261479	-2.585922
1	-0.563594	-0.987997	-2.528628
1	-1.509248	1.170388	-1.999693
6	3.853329	-1.825588	0.991941
6	4.675383	-0.743706	0.788378
6	4.284233	0.321433	-0.037450
6	3.062544	0.314326	-0.666271
6	2.203784	-0.774055	-0.476062
6	2.617068	-1.827283	0.348534
7	1.617712	-2.761915	0.355740
6	0.594526	-2.325651	-0.445308
6	0.889013	-1.118747	-0.977765
6	0.022954	-0.318472	-1.914458
1	0.360698	1.382333	0.254462
8	-2.163731	0.288233	0.792335
8	-2.613407	-1.010999	-0.930554
6	-1.996279	-0.113804	-0.432445
6	-0.949796	0.657903	-1.229498
1	-2.848323	-0.207738	1.248303
1	-0.020178	2.791010	2.401191
1	-0.779364	4.532775	0.985667
1	0.702751	4.373936	0.079986
1	1.341645	3.609246	2.124358
8	-1.635562	3.354547	-1.048645
7	-0.269343	1.663516	-0.460860
6	-0.750021	2.922213	-0.368734
6	-0.041647	3.816645	0.638714
7	0.623056	3.071699	1.691421

-1041.28530 Kick0114.log

1	-3.898444	-1.634725	2.923506
1	-4.521113	-1.710007	1.521888
8	-4.078992	-1.144042	2.143921
1	-4.082207	-2.200930	-0.517582
1	-5.574200	-2.520402	-0.608235
8	-4.808290	-2.616423	-0.073571
1	4.124419	-2.753059	1.530803
1	5.593806	-0.796876	1.290310
1	4.905976	1.137258	-0.058513
1	2.730225	1.168799	-1.187155
1	1.620079	-3.712565	0.670621
1	-0.294265	-2.950061	-0.723767
1	0.624686	0.315049	-2.574467
1	-0.596048	-0.924119	-2.545368
1	-1.518249	1.224252	-1.950692
6	3.819727	-1.905653	0.941975

6	4.635563	-0.809054	0.802097
6	4.242260	0.296091	0.031771
6	3.024746	0.314534	-0.604922
6	2.172534	-0.788248	-0.479430
6	2.587845	-1.881106	0.290632
7	1.594618	-2.821437	0.242179
6	0.576222	-2.351891	-0.547171
6	0.864765	-1.115821	-1.010846
6	0.000903	-0.278162	-1.915985
1	0.307208	1.378859	0.343153
8	-2.164100	0.296890	0.822808
8	-2.624458	-0.979416	-0.914747
6	-2.002202	-0.091045	-0.407580
6	-0.957126	0.688985	-1.197461
1	-2.844484	-0.205606	1.278169
1	-0.125459	2.866507	2.429686
1	-0.677791	4.610814	0.926482
1	0.844835	4.332530	0.122526
1	1.300084	3.591259	2.223951
8	-1.479477	3.432860	-1.128667
7	-0.266545	1.674878	-0.412166
6	-0.668887	2.963846	-0.383090
6	0.032087	3.839858	0.645589
7	0.579477	3.085139	1.757595

-1041.28536 Kick0121.log

1	-4.464356	-1.002856	2.763972
1	-4.998645	-0.905533	1.326366
8	-4.504742	-0.455910	2.002154
1	-4.560225	-1.299712	-0.739416
1	-6.075268	-1.441226	-0.893312
8	-5.345427	-1.645548	-0.339137
1	3.304794	-3.537755	1.498270
1	5.183713	-1.967965	1.280064
1	4.952724	0.100888	-0.024525
1	2.834326	0.658049	-1.127698
1	0.641382	-3.877983	0.636784
1	-1.058960	-2.651691	-0.702839
1	0.598270	0.446539	-2.393441
1	-0.841098	-0.520053	-2.510563
1	-1.316679	1.718425	-1.756959
6	3.197942	-2.627709	0.934181
6	4.243638	-1.745649	0.807095
6	4.110374	-0.561724	0.064524
6	2.923401	-0.246126	-0.552353
6	1.840055	-1.123396	-0.433771
6	1.998729	-2.303107	0.301671
7	0.814677	-2.987158	0.243657
6	-0.074011	-2.272453	-0.520839
6	0.488548	-1.122233	-0.952366
6	-0.154242	-0.065380	-1.808658
1	-0.170540	1.532930	0.884896
8	-2.293201	0.691609	0.898418
8	-2.921741	-0.269072	-0.982484

6	-2.153893	0.407422	-0.363726
6	-0.930775	1.015079	-1.027785
1	-3.079670	0.294034	1.283230
1	0.173158	3.787846	2.189455
1	1.542799	4.468724	0.390411
1	2.468866	3.007811	0.605136
1	1.618646	3.273085	2.682191
8	0.830535	3.093621	-1.603200
7	-0.126745	1.748345	-0.082381
6	0.683928	2.745692	-0.463173
6	1.466922	3.418620	0.654762
7	0.923452	3.165187	1.976525

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1	4.327319	0.729620	0.099237
1	5.795233	0.409241	0.358190
8	5.047376	0.170710	-0.156166
1	4.106605	-2.767813	-0.932339
1	4.647878	-1.375334	-1.214821
8	4.143933	-2.090097	-1.584291
1	-4.977840	-1.108608	-1.796601
1	-5.744840	1.122651	-1.106216
1	-4.491443	2.427405	0.555197
1	-2.441148	1.542009	1.557973
1	-2.913898	-2.956380	-1.284851
1	-0.879722	-3.138368	0.133705
1	-0.693253	-0.119071	2.578710
1	-0.007147	-1.699067	2.346013
1	1.656141	-0.005740	2.034670
6	-4.424870	-0.537233	-1.071878
6	-4.847556	0.710273	-0.680295
6	-4.131213	1.455797	0.268280
6	-2.981055	0.959174	0.832872
6	-2.524721	-0.307441	0.450735
6	-3.258858	-1.035189	-0.494029
7	-2.620851	-2.231337	-0.679059
6	-1.513578	-2.275151	0.126695
6	-1.396549	-1.130434	0.835482
6	-0.312032	-0.800733	1.826774
1	-0.146610	1.227918	0.088910
8	1.884898	-0.750129	-0.900587
8	2.016115	-2.240319	0.719630
6	1.670741	-1.175436	0.317662
6	0.958211	-0.177441	1.226296
1	2.511933	-1.324197	-1.343942
1	0.255509	2.536650	-2.098004
1	2.188240	3.424539	-1.080513
1	1.189104	3.985200	0.232749
1	-0.341954	3.880301	-1.436683
8	2.819202	1.814835	0.741910
7	0.697825	1.092442	0.595682
6	1.690682	1.951043	0.335003
6	1.318446	3.178165	-0.480283
7	0.091856	3.006993	-1.233086

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41	1.289560	-0.655352	-0.237003

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41	1.235463	-0.736349	0.031287
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41	-1.238842	-0.731110	0.032467

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41	-1.262186	-0.663875	-0.247129
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41	1.263482	-0.662442	-0.245830

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13	-0.000224	-0.571486	2.031267
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13	-0.135274	-0.000371	2.081418
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13	-0.001549	0.000613	2.101898
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21	-0.000162	0.002546	1.980827
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21	0.005287	-0.337632	1.949230
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41	1.255836	-0.633482	-0.426885
41	-1.242187	-0.660494	-0.425403

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21	0.000384	-0.002573	2.049308
41	0.976109	-1.015871	-0.351115
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41	0.392057	1.353930	-0.348507

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38	2.312739	-0.000674	0.266159
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38	2.237963	-0.000260	0.110660
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39	1.921867	-0.000099	0.000232
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39	-1.937548	-0.148593	0.000072
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39	1.986826	-0.000760	0.000445
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40	-1.683640	-0.424573	0.010102
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41	0.801548	0.561080	1.195506
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41	0.833445	-1.087806	-0.713221

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41	0.000807	1.286354	-0.842926
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41	1.334598	0.000058	0.844044
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41	0.868904	-0.298136	1.240010
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42	-0.667415	-0.004287	1.287150
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41	0.929243	1.224953	-0.163709
41	0.950895	-1.211521	-0.162785

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42	-0.000129	0.000756	1.450365
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41	1.276436	-0.726437	-0.494807
41	-0.009014	1.467784	-0.495931

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42	0.019733	-0.788577	1.201667
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41	-0.026294	1.535001	0.275655
41	1.307570	-0.341168	-0.758092

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43	0.918949	-0.013861	1.130530
41	1.103963	0.009443	-1.083104
41	-1.030344	1.165725	-0.039714
41	-1.037395	-1.160630	-0.062860

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43	-0.088053	0.008152	1.473151
41	0.448656	1.375616	-0.497834
41	1.013744	-1.054119	-0.451082
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43	-0.408430	-0.078938	1.320304
41	-1.332673	0.006982	-0.808245

41	0.916970	-1.213677	-0.342883
41	0.844056	1.289484	-0.233582

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44	1.128473	0.003998	-1.009783
41	-1.061786	1.146668	-0.053653
41	0.914433	-0.005860	1.200979
41	-1.063691	-1.145099	-0.063656

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44	-1.260317	-0.001411	-0.826224
41	1.427903	0.000144	-0.739694
41	-0.038498	1.267235	0.812295
41	-0.036870	-1.265865	0.814078

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44	-1.166393	-0.727477	-0.680108
41	1.044324	-0.905892	0.725773
41	-0.851441	0.916314	0.844686
41	1.058856	0.770285	-0.840586

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45	-1.616563	0.010220	-0.019590
41	0.603440	-0.792580	-1.139173
41	0.565786	-0.602146	1.263296
41	0.605050	1.383509	-0.102621

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45	-1.477873	0.001383	0.558557
41	0.206068	1.240503	-0.814828
41	0.201352	-1.238764	-0.817968
41	1.214636	-0.003257	1.019746

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45	-1.571922	-0.292410	0.002071
41	0.738681	-0.601361	-1.177948
41	0.247239	1.508133	-0.009053
41	0.739360	-0.585835	1.184727

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46	1.713800	-0.009750	0.199514
41	-0.907538	0.000417	1.243620
41	-0.517524	-1.231324	-0.737527
41	-0.497738	1.241846	-0.729938

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46	1.682477	-0.000270	0.000791
41	-0.628580	-0.759679	-1.175752
41	-0.630241	-0.638214	1.245273
41	-0.628837	1.398197	-0.070408

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46	1.707703	-0.001270	0.182193
41	-0.515414	-1.280429	-0.711555
41	-0.887462	-0.000480	1.216984
41	-0.513083	1.282334	-0.709840

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47	2.203469	-0.000309	-0.394267
41	-0.222986	1.154622	0.521133
41	-0.223368	-1.154043	0.521630
41	-2.079575	-0.000225	-0.590799

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47	1.845552	-0.040928	0.000024
41	-0.732675	-0.710780	1.158507
41	-0.732638	-0.711414	-1.158190
41	-0.650320	1.469112	-0.000345

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47	2.323013	-0.000068	-0.228615
41	-2.200274	-0.000067	-0.339994
41	-0.231373	-1.213187	0.301067
41	-0.231318	1.213331	0.300998

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48	2.464677	-0.000127	-0.000717
41	-2.389118	-0.000585	-0.001064
41	-0.248548	1.153830	0.000952
41	-0.247810	-1.153097	0.000953

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48	2.482900	-0.000229	-0.199481
41	-0.297764	-1.191911	0.278765
41	-0.299741	1.193723	0.277879
41	-2.309305	-0.001544	-0.323106

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48	-2.269814	-0.000809	0.256549
41	2.060207	-0.000024	0.437896
41	0.297634	1.279419	-0.368884
41	0.299502	-1.278448	-0.369363

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11	-1.420816	0.327276	2.150199
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41	0.436740	1.395593	-0.330687
41	1.371071	-0.667293	0.367559
6	-1.487545	1.006262	-0.379449
8	-2.463263	0.154799	0.085760

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13	0.565279	0.029213	2.105968
41	-0.018671	1.489718	-0.088497
41	1.449161	-0.492574	-0.501764
41	-0.801993	-1.093950	0.095627
6	-1.838803	0.746720	-0.394161
8	-2.760525	-0.111384	-0.591580

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21	-0.357518	-0.214140	1.913767
41	-0.210090	-1.106789	-0.884833
41	-0.609593	1.374596	-0.418550
41	1.583889	0.099179	0.135740
6	-1.852129	-0.006877	0.202068
8	-1.588977	-1.313528	0.808982

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38	-1.870216	-1.111413	0.018845
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41	1.238837	-0.422726	1.141286
41	1.227148	-0.526868	-1.108700
41	0.123248	1.581924	-0.054197
6	-1.821293	1.425543	-0.008345
8	-3.020321	0.969364	0.027501

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39	1.864426	0.417948	-0.038269
41	-0.455901	-1.021900	-1.218256
41	-0.773854	1.425955	-0.307608
41	-0.871341	-0.346415	1.246405
6	0.622533	-1.695514	0.259631
8	1.212138	-1.061268	1.424067

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40	-1.138725	-1.139144	-0.133015
41	1.365948	-0.313464	-1.045387
41	-0.319523	1.504035	-0.157734
41	0.979665	-0.174887	1.315447
6	-2.172856	0.826506	-0.042647
8	-3.060445	-0.129543	0.121386

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41	1.126667	-0.159193	1.230005
41	1.127163	-0.165446	-1.228952
41	-0.854130	-1.158878	0.002162
41	-0.474271	1.488947	-0.003282
6	-2.230683	0.533455	-0.000671
8	-3.069814	-0.427916	0.000846

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42	0.040661	1.439435	-0.289774
41	-1.648394	-0.130736	-0.411520
41	0.064485	-0.270776	1.481224
41	0.719190	-1.338249	-0.646753
6	1.894446	0.283516	-0.424718
8	2.797382	1.146608	-0.327774

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43	1.046473	-0.245091	-1.077507
41	1.252853	-0.041125	1.143957
41	-0.565954	1.501628	-0.128492

41	-0.876655	-1.173587	0.000078
6	-2.246260	0.501083	0.157145
8	-2.967599	-0.528896	0.469082

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44	1.358012	-0.117864	-0.994375
41	1.046161	-0.160485	1.208481
41	-0.605290	1.442071	-0.025553
41	-0.943051	-1.124550	-0.085706
6	-2.355943	0.499457	-0.048713
8	-3.128436	-0.531149	-0.117668

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45	1.392842	-0.120417	-1.018824
41	-0.490077	1.470633	0.012730
41	-0.893765	-1.121843	-0.111227
41	0.772576	-0.215807	1.364435
6	-2.220746	0.556146	-0.321107
8	-3.036440	-0.421303	-0.516218

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46	-1.401723	-0.994504	-0.600109
41	-0.797112	1.322742	0.639554
41	0.647287	-0.785972	1.101248
41	0.742818	0.784933	-0.928807
6	2.284865	-0.648657	-0.012362
8	3.307170	-0.568834	-0.701578

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47	-2.639543	0.162473	-0.041714
41	2.171751	-0.522539	-0.035249
41	-0.138893	-1.263480	0.040537
41	0.065119	1.084456	0.057793
6	1.988849	1.615816	-0.010775
8	3.263545	1.429120	-0.070141

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48	2.095377	-0.113444	-0.164933
41	-0.558157	1.380740	-0.566829
41	-0.619495	-1.130783	-0.636723
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41	-1.241197	-0.459366	-0.664115
6	0.067579	-1.830225	-0.122985
8	-1.504498	0.430925	1.023230

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13	-0.273167	-0.652628	2.068381
41	1.329336	-0.760836	-0.078154
41	-0.106100	1.423235	0.008868
41	-1.242138	-0.706936	-0.597310
6	-1.598860	0.429302	0.975628
8	1.739910	0.966796	-0.676536

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21	-1.844460	1.016900	0.782431
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41	0.735108	1.328657	-0.336926
41	1.408093	-0.684340	0.532880
6	-1.010198	0.760177	-1.159141
8	-1.911165	-0.809861	0.931951

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38	2.227292	-0.534988	-0.504066
41	0.009519	1.367243	0.670530
41	-1.669588	0.231441	-0.879720
41	-0.776703	-1.359995	0.548492
6	0.580827	-0.326445	1.508360
8	1.473197	1.562744	-0.475879

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39	2.088407	-0.386423	-0.448968
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41	-0.580317	-1.435494	0.428976

41	-1.724337	0.204306	-0.706562
6	0.749171	-0.288736	1.410380
8	1.399273	1.486103	-0.700175

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40	-1.673248	-0.001673	-0.480387
41	0.368285	-0.019141	1.459833
41	0.657006	-1.436122	-0.646126
41	0.638435	1.461453	-0.609222
6	1.897396	0.014918	-0.176814
8	-1.583402	-0.034549	1.486561

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41	-0.129193	1.613584	0.222964
41	-0.193197	-0.676079	1.310087
41	-1.517874	-0.387037	-0.802377
41	1.570362	-0.569296	-0.445800
6	-0.036737	-1.689119	-0.783496
8	1.410797	1.363331	-0.872361

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0,2

42	-0.960419	-0.302533	-1.192494
41	-0.942019	-0.422152	1.151032
41	0.439047	1.464118	-0.257640
41	1.568789	-0.741853	0.120011
6	0.124483	-1.813344	-0.612652
8	-0.513477	1.410225	1.526390

-366.52252

0,3

43	-0.166210	-0.514717	1.301573
41	1.459008	-0.744919	-0.481664
41	-1.351766	-0.706215	-0.696646
41	-0.071229	1.599737	0.145776
6	-1.266192	1.150464	-1.284603
8	1.658453	1.142164	-0.740766

-380.65242

0,2

44	0.798524	1.115687	-0.713700
41	1.467393	-0.736593	0.499134
41	-1.003876	0.758045	0.851097
41	-0.823378	-1.094490	-0.729631
6	-0.204611	-0.976757	1.500341

8 -2.394139 0.095609 -0.380480

-396.34563

0,1

45 -1.329041 -0.705494 0.733046

41 1.146676 0.537502 0.942595

41 -0.854558 1.046228 -0.873329

41 0.669399 -1.077805 -0.816144

6 0.234277 2.130581 0.238703

8 2.372375 -0.222398 -0.474660

-413.71722

0,2

46 1.583422 -0.758741 -0.225591

41 0.334308 1.638663 0.153696

41 -1.036232 -0.451638 -1.083191

41 -0.535912 -0.445168 1.307807

6 -0.627933 1.414727 -1.475676

8 -2.289821 -0.500302 0.465060

-432.80397

0,3

47 -2.310255 -0.029664 -0.447721

41 2.103301 -0.111312 -0.633241

41 -0.031650 1.162772 0.649759

41 0.126371 -1.312250 0.439977

6 1.436499 -0.151013 1.370578

8 1.230511 1.624080 -0.737106

-453.57524

0,2

48 -2.575418 -0.017435 0.260507

41 2.241659 -0.210527 0.471349

41 0.088750 1.186827 -0.349986

41 0.208250 -1.261310 -0.506033

6 0.522308 0.221205 1.333139

8 2.050144 1.399382 -0.591458