

Supporting Information

Article

Mechanism of the Oxidative Ring-Closure Reaction During the Gliotoxin Biosynthesis by Cytochrome P450 GliF

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Part I: MD and *k*-clustering results:

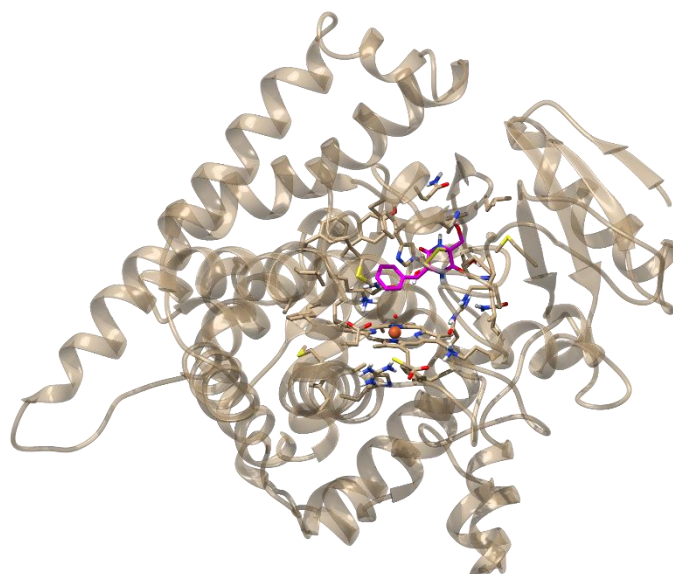


Figure S1. MD simulation snapshot $S_{n_{2000}}$ of GliF for the MD simulation on protein model I. The gliotoxin substrate is shown in magenta.

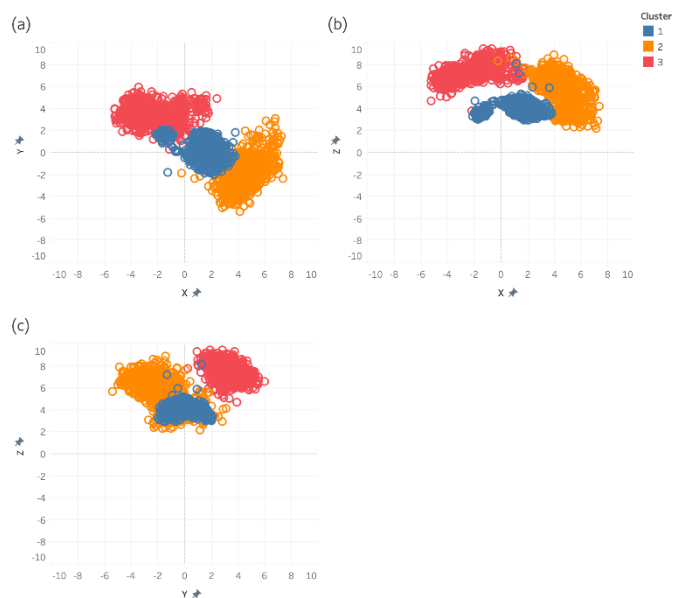


Figure S2. Visualisation through the *k*-means clustering approach with results with respect to the atoms R1, R2, and R3 for the MD data on P450 GliF on protein model I for the snapshots taken from the MF simulation on protein model I.

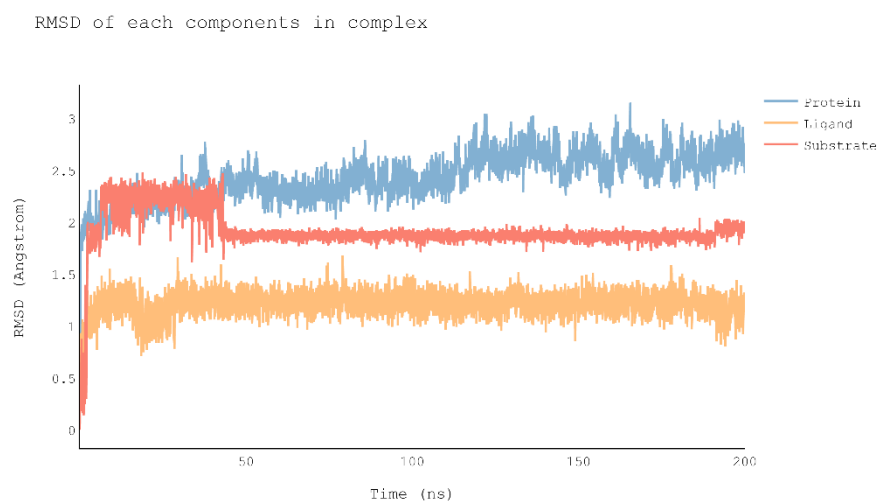
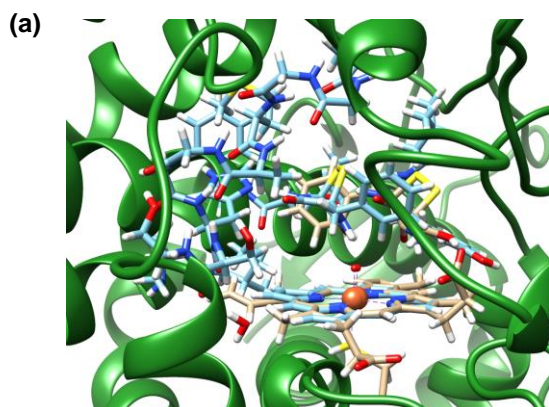
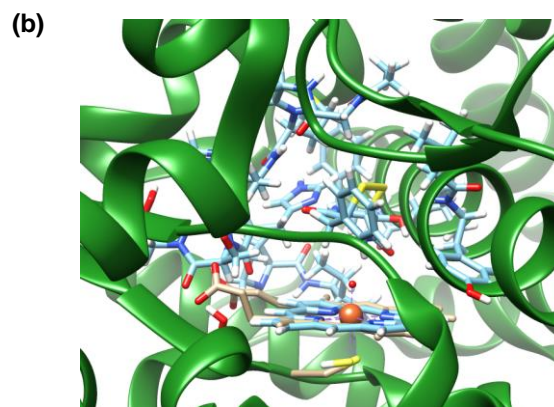


Figure S3. RMSD plot for the protein, ligand and substrate along the MD simulation for the P450 GliF structure II.



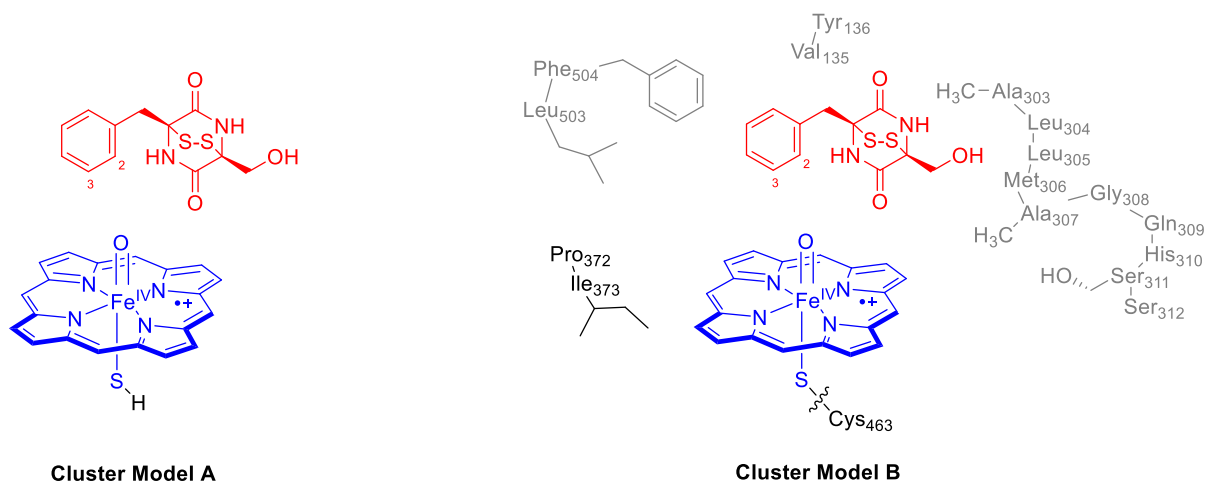
Overlay of MD snapshot and $^4\text{Re}_\text{B}$



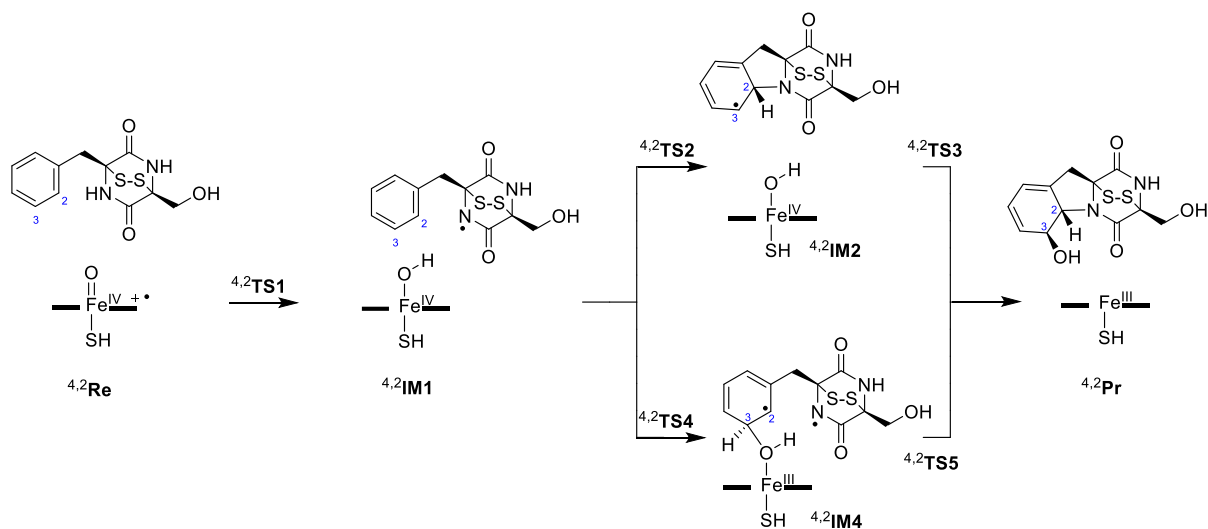
Overlay of 4UYL pdb and $^4\text{Re}_\text{B}$

Figure S4. (a) Overlay of $^4\text{Re}_\text{B}$ and 4UYL pdb file. (b) Overlay of $^4\text{Re}_\text{B}$ and the last snapshot of the MD simulation for P450 GliF for protein model II. The $^4\text{Re}_\text{B}$ structure compares well with the protein chains in both the MD snapshot and the analogous pdb structure.

Part II: DFT Cluster model results:



Scheme S1: Cluster models **A** and **B** investigated in this work. Labelling based on 4UYL pdb file.



Scheme S2: Reaction scheme explored for gliotoxin biosynthesis for a radical pathway starting with hydrogen atom abstraction. Definitions of the labels of local minima and transition states are given.

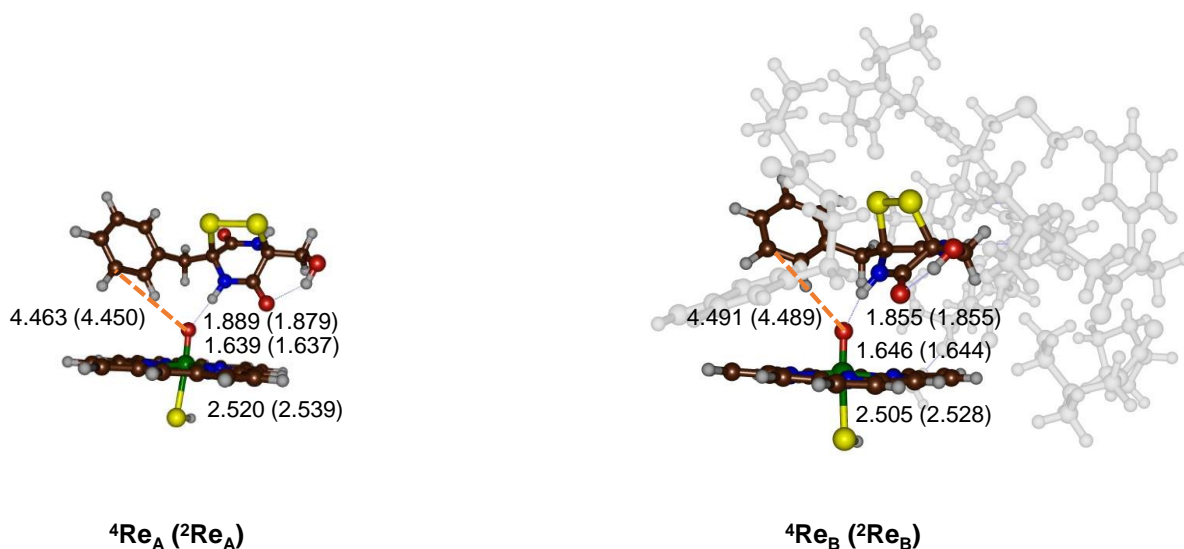


Figure S5: UB3LYP/BS1 optimized geometries of $^4,2\text{Re}_\text{A}$ and $^4,2\text{Re}_\text{B}$ as obtained in Gaussian-09. Bond lengths are in angstroms.

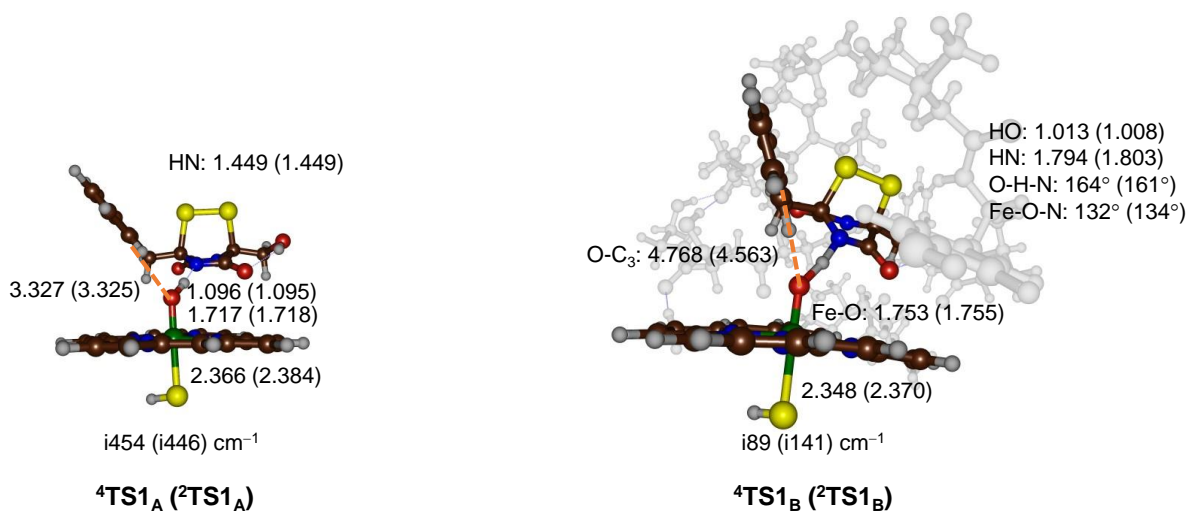


Figure S6: UB3LYP/BS1 optimized geometries of $^4,2\text{TS1}_\text{A}$ and $^4,2\text{TS1}_\text{B}$ as obtained in Gaussian-09. Bond lengths are in angstroms and the imaginary frequency in cm^{-1} .

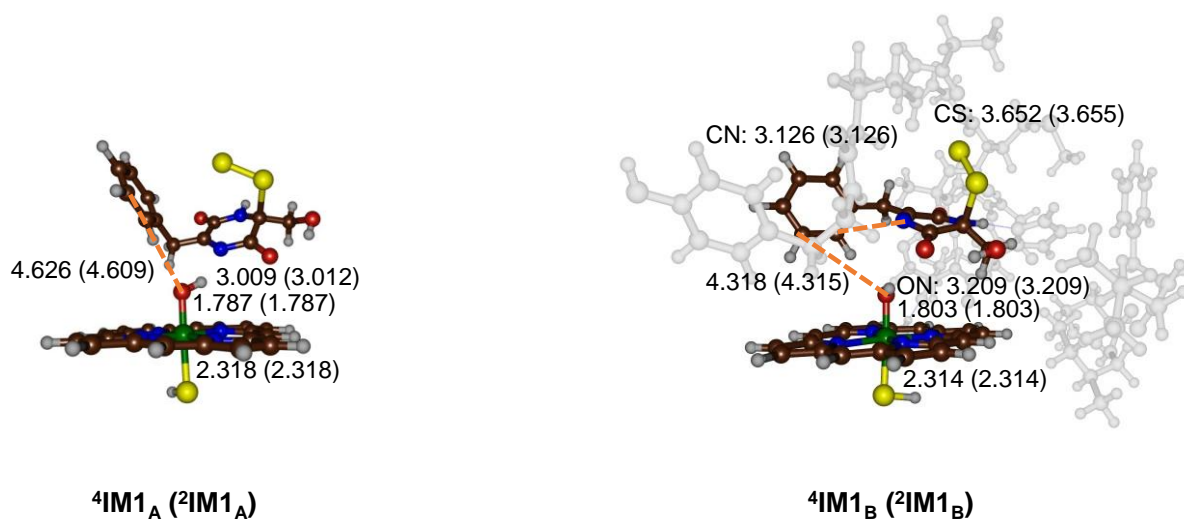


Figure S7: UB3LYP/BS1 optimized geometries of $4,2\text{IM1}_A$ and $4,2\text{IM1}_B$ as obtained in Gaussian-09. Bond lengths are in angstroms.

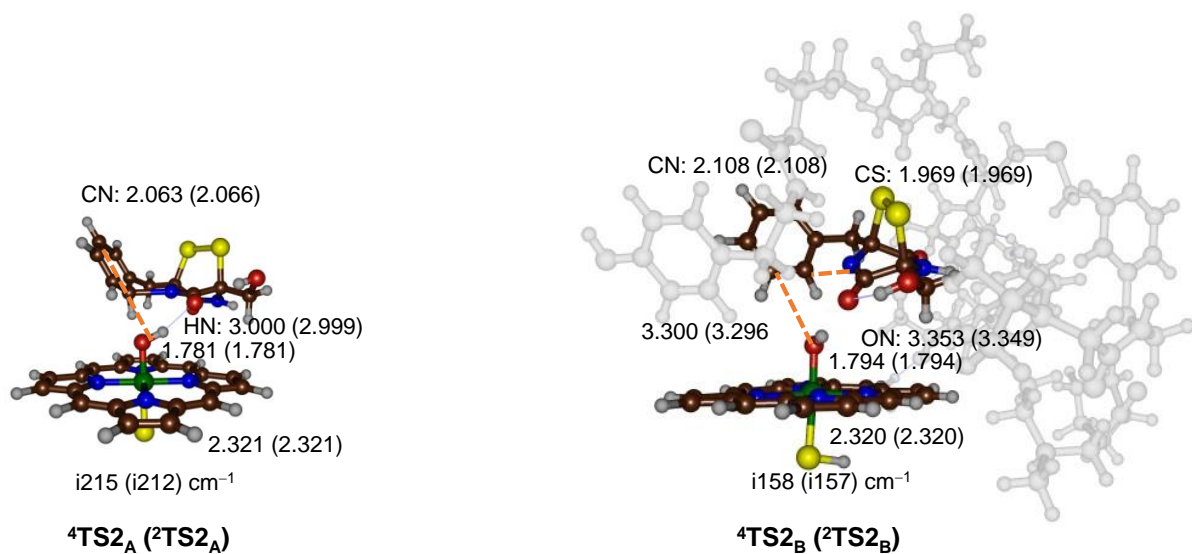


Figure S8: UB3LYP/BS1 optimized geometries of $4,2\text{TS2}_A$ and $4,2\text{TS2}_B$ as obtained in Gaussian-09. Bond lengths are in angstroms and the imaginary frequency in cm^{-1} .

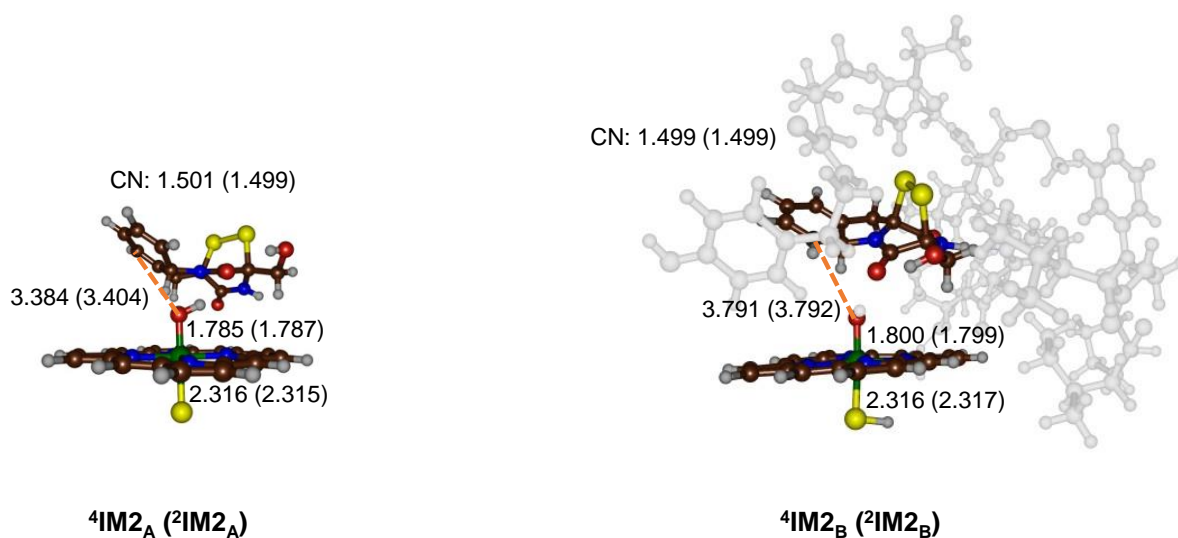


Figure S9: UB3LYP/BS1 optimized geometries of $^{4,2}\text{IM2}_\text{A}$ and $^{4,2}\text{IM2}_\text{B}$ as obtained in Gaussian-09. Bond lengths are in angstroms.

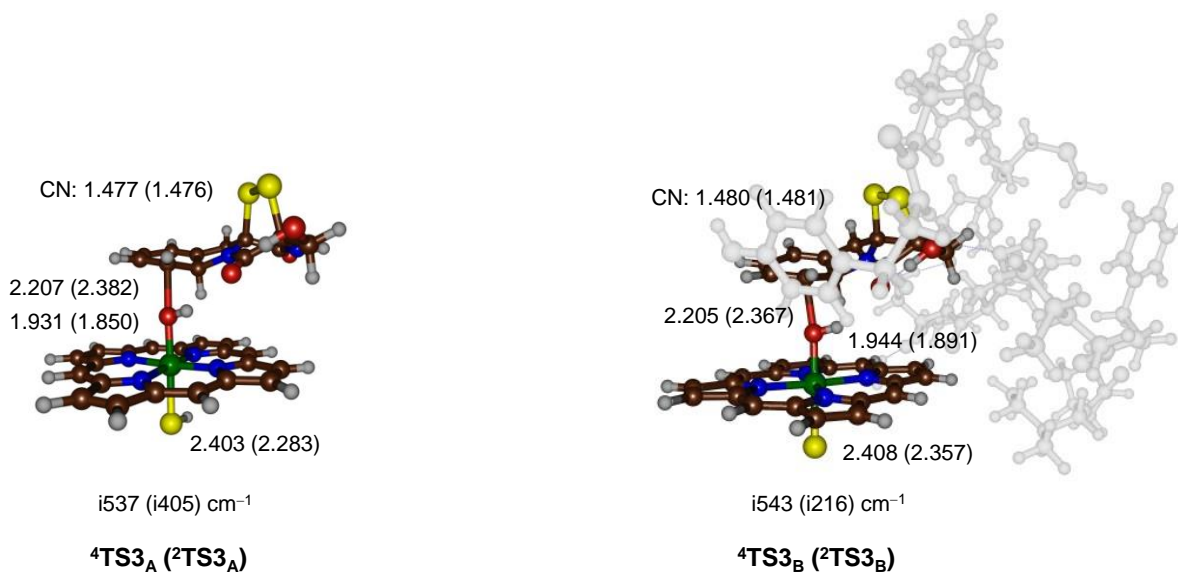


Figure S10: UB3LYP/BS1 optimized geometries of $^{4,2}\text{TS3}_\text{A}$ and $^{4,2}\text{TS3}_\text{B}$ as obtained in Gaussian-09. Bond lengths are in angstroms and the imaginary frequency in cm^{-1} .

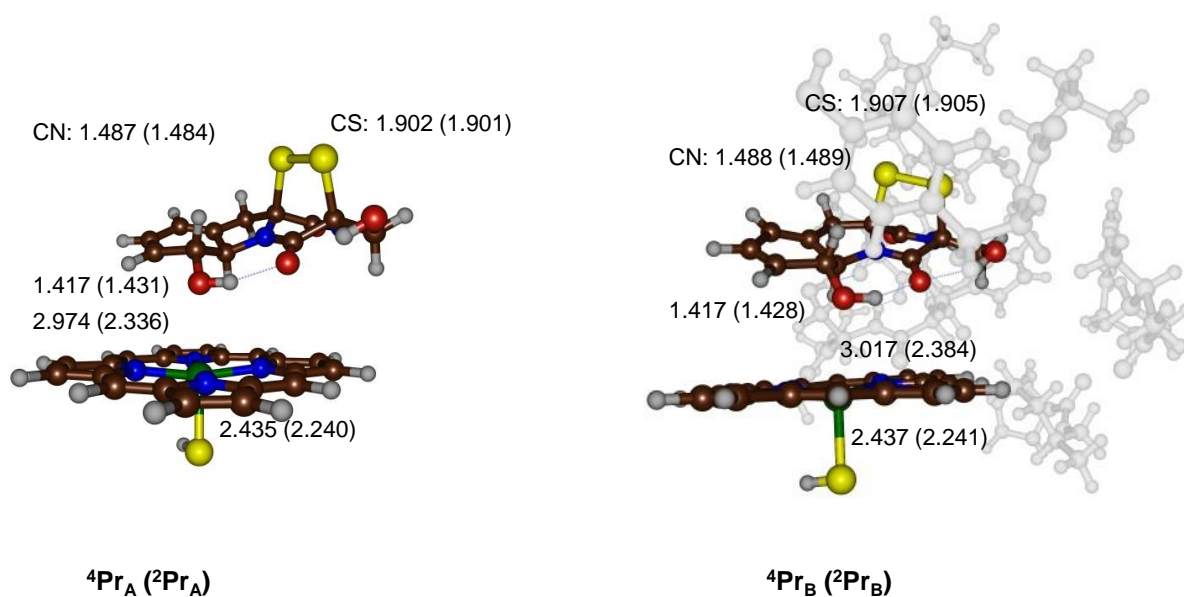


Figure S11: UB3LYP/BS1 optimized geometries of ^{4,2}Pr_A and ^{4,2}Pr_B as obtained in Gaussian-09. Bond lengths are in angstroms.

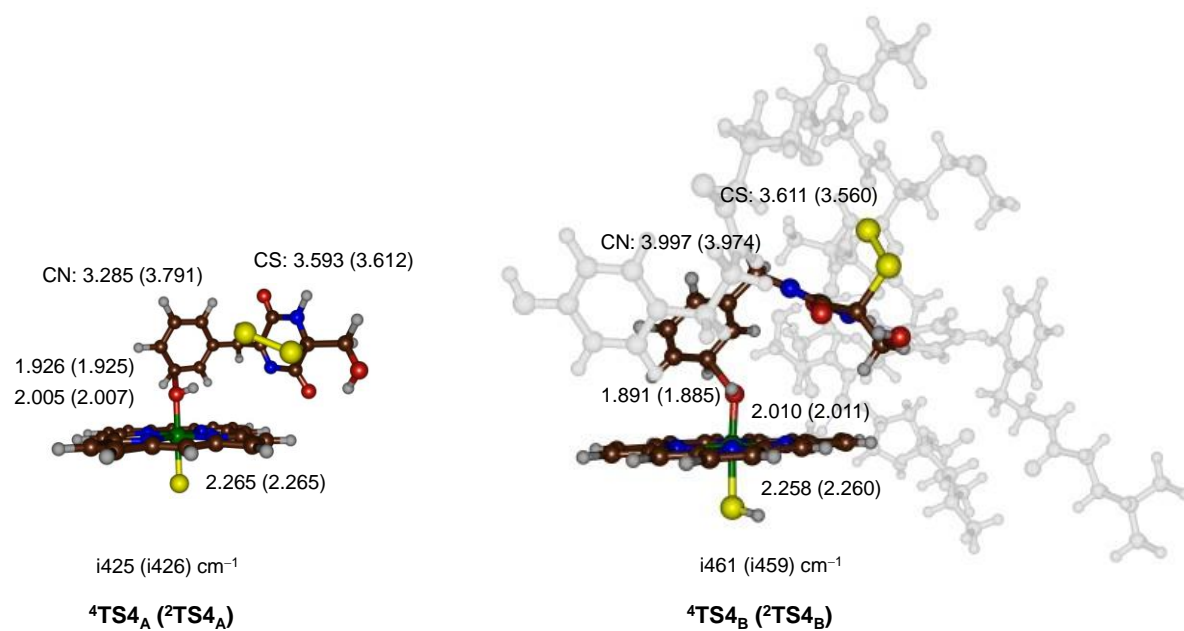


Figure S12: UB3LYP/BS1 optimized geometries of ^{4,2}TS4_A and ^{4,2}TS4_B as obtained in Gaussian-09. Bond lengths are in angstroms and the imaginary frequency in cm⁻¹.

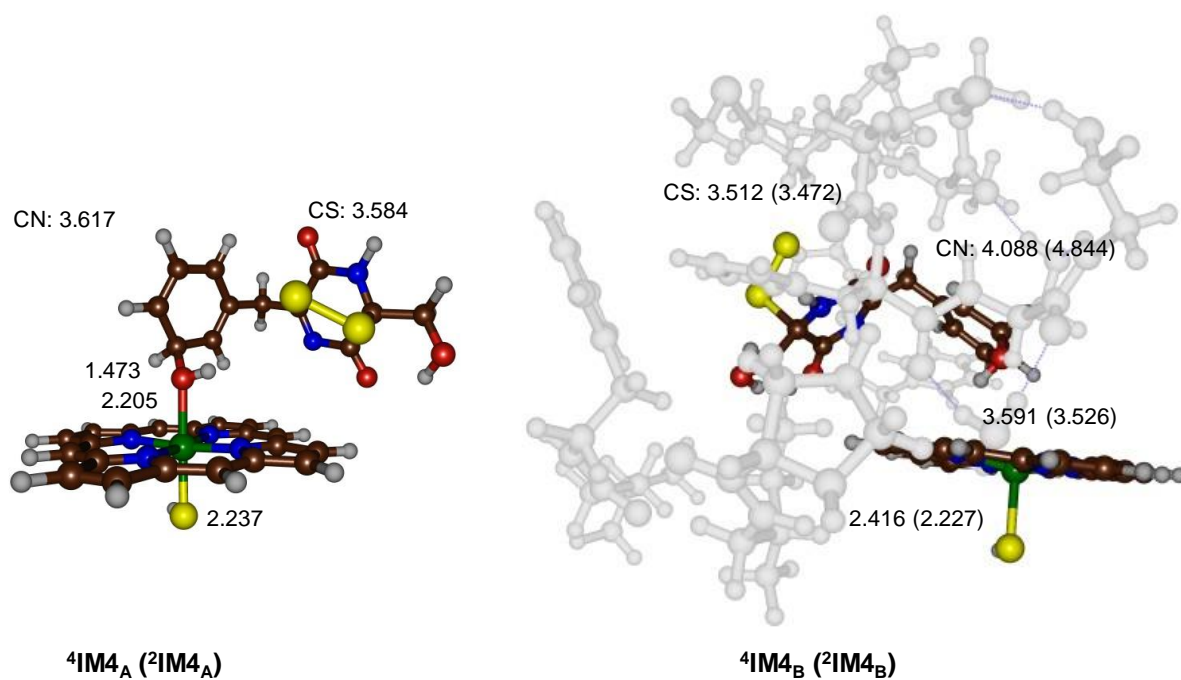


Figure S13: UB3LYP/BS1 optimized geometries of ${}^{4,2}\text{IM4}_\text{A}$ and ${}^{4,2}\text{IM4}_\text{B}$ as obtained in Gaussian-09. Bond lengths are in angstroms.

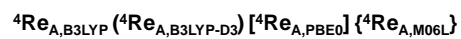
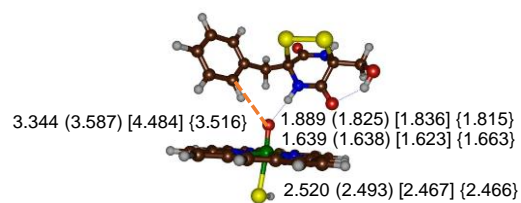
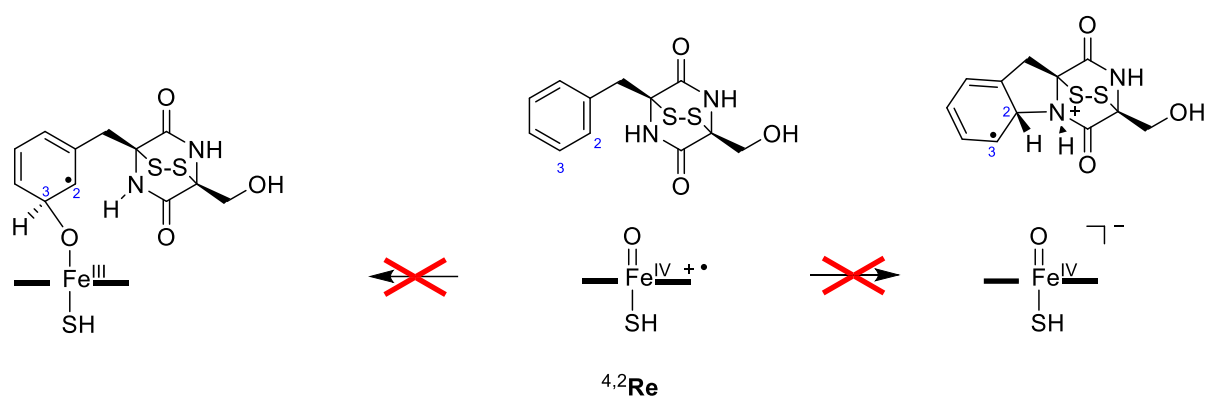


Figure S14: Optimized geometries of ${}^4\text{Re}_{\text{A}}$ as obtained in Gaussian-09 using different density functional methods, namely B3LYP, B3LYP-D3, PBE0 and M06L. Bond lengths are in angstroms.



Scheme S3: Alternative mechanisms tested in this work. For details see Figures S17 and S18.

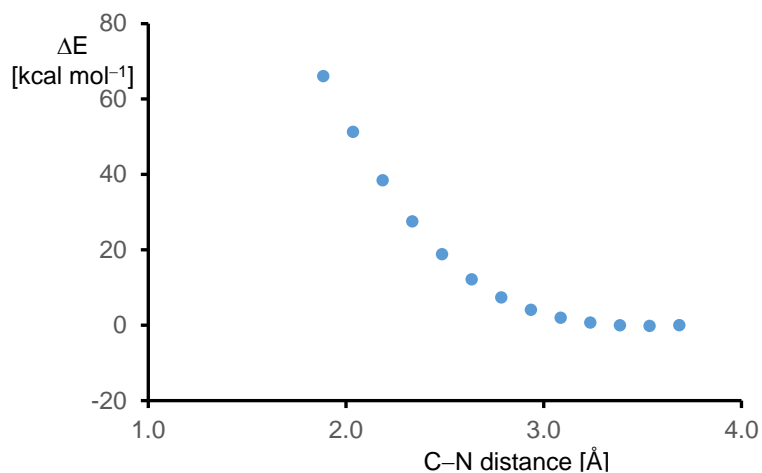


Figure S15: UB3LYP/BS1 calculated geometry scan starting from $^4\text{Re}_B$ for direct ring-closure. As can be seen the scan does not lead to a stable intermediate, hence a pathway starting with ring-closure is not feasible.

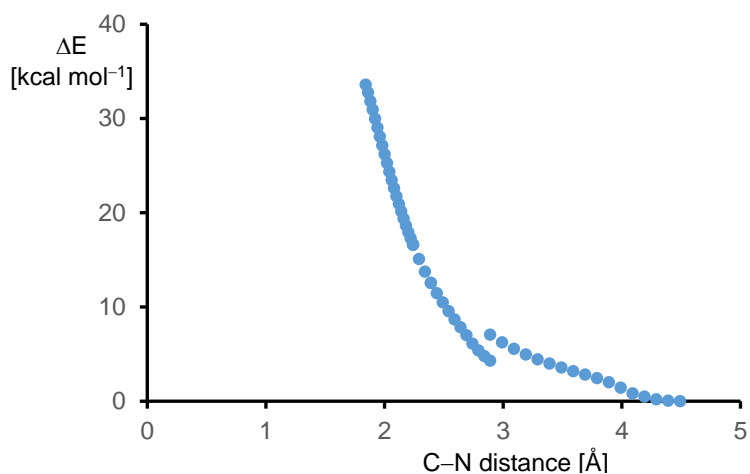


Figure S16: UB3LYP/BS1 calculated geometry scan starting from ${}^4\text{Re}_\text{B}$ for electrophilic attack on C_2 . As can be seen the scan does not lead to a stable intermediate, hence a pathway starting with aromatic hydroxylation is not feasible.

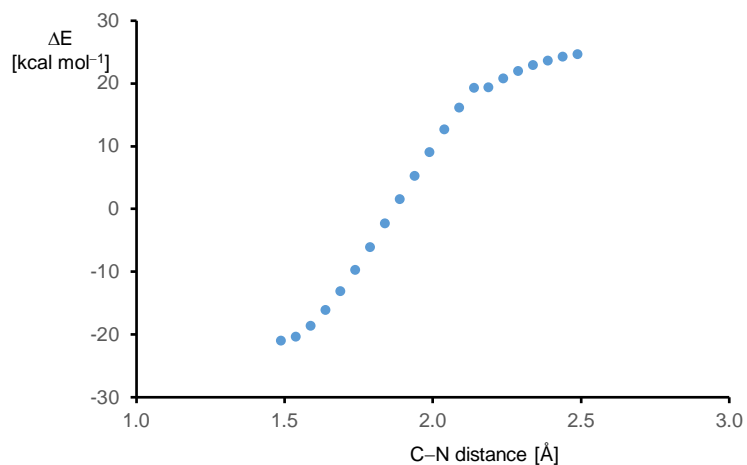


Figure S17: UB3LYP/BS1 calculated geometry scan starting from ${}^4\text{Prod}_\text{B}$ for the ring-opening reaction. As can be seen the scan does not pass a barrier, hence the reverse reaction from ${}^4\text{IM4}_\text{B}$ to ${}^4\text{Prod}_\text{B}$ does not pass a barrier and is highly exothermic leading to products on the left.

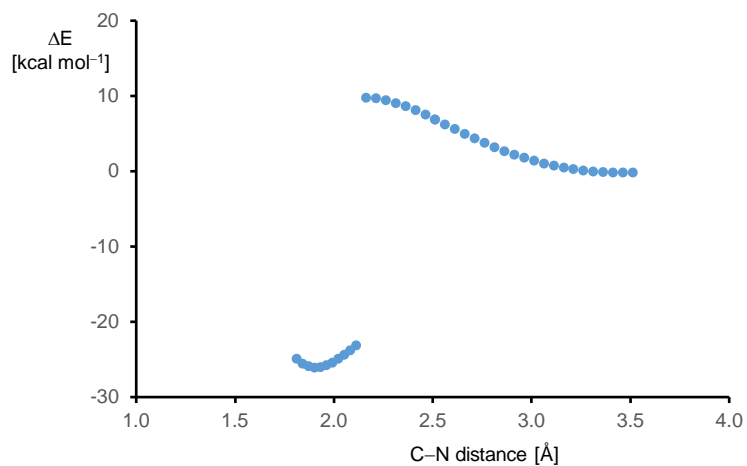


Figure S18: UB3LYP/BS1 calculated geometry scan starting from ${}^4\text{IM4}_\text{B}$ for the C-S reformation. As can be seen the scan has a barrier of about 10 kcal mol $^{-1}$ to form products on the left.

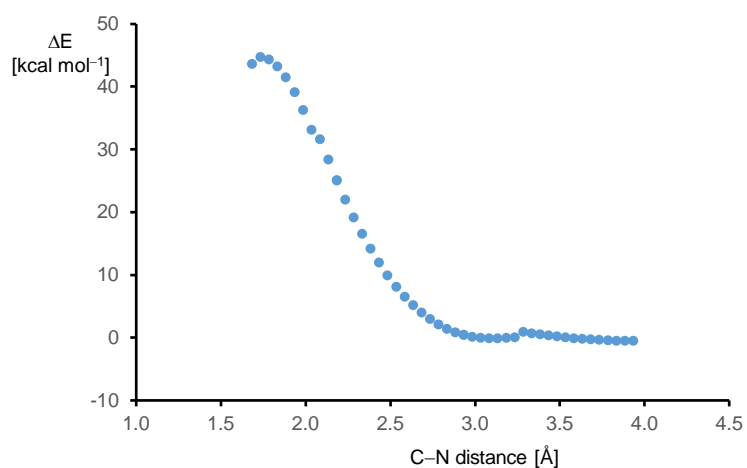


Figure S19: UB3LYP/BS1 calculated geometry scan for the ring-closure reaction for the complex with the deprotonated substrate (1^-) and Cpdl, i.e. ${}^4\text{Re}_\text{Bm}$. As can be seen the reaction is highly endothermic and does not lead to a stable product complex.

Table S1: Absolute (in au) and relative (in kcal mol⁻¹) energies and free energies of UB3LYP/BS1 optimized geometries in Gaussian for gliotoxin activation by a P450 Cpd I model A.

	E [BS1, au]	ZPE [au]	G [au]	ΔE [BS1]	$\Delta E + ZPE$	ΔG
⁴ Re _A	-3181.847850	0.522439	-3181.402233	0.00	0.00	0.00
⁴ TS1 _A	-3181.821927	0.515859	-3181.380894	16.27	12.14	13.39
⁴ IM1 _A	-3181.853461	0.520559	-3181.413615	-3.52	-4.70	-7.14
⁴ TS2 _A	-3181.802906	0.519737	-3181.355574	28.20	26.51	29.28
⁴ IM2 _A	-3181.825076	0.520734	-3181.377379	14.29	13.22	15.60
⁴ TS3 _A	-3181.805612	0.519958	-3181.359285	26.50	24.95	26.95
⁴ Prod _A	-3181.884631	0.524049	-3181.436498	-23.08	-22.07	-21.50
⁴ TS4 _A	-3181.818590	0.519433	-3181.374305	18.36	16.47	17.53
⁴ IM4 _A	-3181.833115	0.521120	-3181.387206	9.25	8.42	9.43
² Re _A	-3181.847952	0.522331	-3181.402095	-0.06	-0.13	0.09
² TS1 _A	-3181.822199	0.515792	-3181.381027	16.10	11.93	13.31
² IM1 _A	-3181.853501	0.520669	-3181.412215	-3.55	-4.66	-6.26
² TS2 _A	-3181.802940	0.519768	-3181.354723	28.18	26.51	29.81
² IM2 _A	-3181.825383	0.520741	-3181.377004	14.10	13.03	15.83
² TS3 _A	-3181.814836	0.520861	-3181.365282	20.72	19.73	23.19
² Prod _A	-3181.892335	0.525736	-3181.436830	-27.91	-25.85	-21.71
² TS4 _A	-3181.818430	0.519380	-3181.373625	18.46	16.54	17.95

Table S2: Group spin densities and charges (in au) of UB3LYP/BS1 optimized geometries in Gaussian for gliotoxin activation by a P450 Cpd I model A.

(a) Spin densities.

	Fe	O	Por	SH	Sub	Sum
⁴ Re _A	1.19	0.82	0.51	0.46	0.01	3.00
⁴ TS1 _A	1.51	0.49	0.45	0.15	0.39	3.00
⁴ IM1 _A	1.76	0.25	-0.12	0.10	1.00	3.00
⁴ TS2 _A	1.76	0.27	-0.12	0.09	1.00	3.00
⁴ IM2 _A	1.75	0.26	-0.12	0.11	1.00	3.00
⁴ TS3 _A	2.28	-0.07	-0.10	0.23	0.67	3.00
⁴ Prod _A	2.50	0.00	0.02	0.47	0.00	3.00
² Re _A	1.33	0.78	-0.59	-0.52	0.00	1.00
² TS1 _A	1.66	0.43	-0.66	-0.08	-0.36	1.00
² IM1 _A	1.76	0.25	-0.12	0.10	-1.00	1.00
² TS2 _A	1.76	0.27	-0.12	0.09	-0.99	1.00
² IM2 _A	1.74	0.25	-0.12	0.11	-0.98	1.00
² TS3 _A	1.28	0.33	-0.05	0.13	-0.69	1.00
² Prod _A	1.12	0.00	-0.10	-0.03	0.00	1.00

(b) Charges.

	Fe	O	Por	SH	Sub	Sum
⁴ Re _A	0.48	-0.49	0.08	-0.03	-0.04	0.00
⁴ TS1 _A	0.43	-0.67	0.14	-0.01	0.11	0.00
⁴ IM1 _A	0.40	-0.71	-0.23	0.04	0.50	0.00
⁴ TS2 _A	0.41	-0.72	-0.22	0.04	0.50	0.00
⁴ IM2 _A	0.40	-0.70	-0.22	0.05	0.47	0.00
⁴ TS3 _A	0.41	-0.70	-0.31	-0.07	0.66	0.00
⁴ Prod _A	0.45	-0.64	-0.40	-0.15	0.74	0.00
² Re _A	0.50	-0.49	0.07	-0.03	-0.04	0.00
² TS1 _A	0.44	-0.68	0.15	-0.02	0.11	0.00
² IM1 _A	0.40	-0.71	-0.23	0.04	0.50	0.00
² TS2 _A	0.40	-0.72	-0.22	0.04	0.49	0.00
² IM2 _A	0.40	-0.70	-0.22	0.05	0.47	0.00
² TS3 _A	0.30	-0.67	-0.34	0.02	0.69	0.00
² Prod _A	0.20	-0.65	-0.40	0.05	0.81	0.00

Table S3: Absolute energies and free energies (in au) of UB3LYP/BS1 optimized geometries in Gaussian for gliotoxin activation by a P450 Cpd I model B.

	E [BS1, au]	ZPE [au]	G [au]	E [BS2, au]
⁴ Re _B	-8225.094696	2.332048	-8222.990602	-8227.003702
⁴ TS1 _B	-8225.073214	2.329253	-8222.972965	-8226.985401
⁴ TS1' _B	-8225.063979	2.326174	-8222.968620	-8226.973775
⁴ IM1 _B	-8225.097739	2.330807	-8222.998232	-8227.013633
⁴ TS2 _B	-8225.045105	2.330543	-8222.941527	-8226.962439
⁴ IM2 _B	-8225.068026	2.331149	-8222.965123	-8226.983669
⁴ TS3 _B	-8225.049160	2.330617	-8222.947018	-8226.965595
⁴ Pr _B	-8225.128108	2.334860	-8223.024733	-8227.039191
⁴ TS4 _B	-8225.072149	2.330435	-8222.965703	-8226.981884
⁴ IM4 _B	-8225.080226	2.331037	-8222.982157	-8226.987918
² Re _B	-8225.095120	2.331897	-8222.990649	-8227.004148
² TS1 _B	-8225.075051	2.328343	-8222.970391	-8226.988297
² TS1' _B	-8225.064648	2.326441	-8222.968462	-8226.974589
² IM1 _B	-8225.097740	2.330803	-8222.997449	-8227.013602
² TS2 _B	-8225.045129	2.330538	-8222.940849	-8226.962472
² IM2 _B	-8225.068046	2.331164	-8222.964349	-8226.983721
² TS3 _B	-8225.058903	2.330349	-8222.956953	-8226.968854
² Pr _B	-8225.131662	2.336287	-8223.023485	-8227.039240
² TS4 _B	-8225.073269	2.331630	-8222.970530	-8226.982023
² IM4 _B	-8225.081376	2.332303	-8222.978815	-8226.984972

Table S4: Relative energies and free energies (in kcal mol⁻¹) of UB3LYP/BS1 optimized geometries in Gaussian for gliotoxin activation by a P450 Cpd I model B.

	ΔE [BS1]	ΔE+ZPE	ΔG [BS1]	ΔE [BS2]	ΔE+ZPE	ΔG [BS2]
⁴ Re _B	0.00	0.00	0.00	0.00	0.00	0.00
⁴ TS1 _B	13.48	11.73	11.07	11.48	9.73	9.07
⁴ TS1' _B	19.27	15.59	13.79	18.78	15.09	13.30
⁴ IM1 _B	-1.91	-2.69	-4.79	-6.23	-7.01	-9.11
⁴ TS2 _B	31.12	30.17	30.80	25.89	24.95	25.57
⁴ IM2 _B	16.74	16.17	15.99	12.57	12.01	11.82
⁴ TS3 _B	28.57	27.68	27.35	23.91	23.01	22.69
⁴ Pr _B	-20.97	-19.20	-21.42	-22.27	-20.51	-22.72
⁴ TS4 _B	14.15	13.14	15.62	13.69	12.68	15.17
⁴ IM4 _B	9.08	8.45	5.30	9.90	9.27	6.12
² Re _B	-0.27	-0.36	-0.03	-0.28	-0.37	-0.04
² TS1 _B	12.33	10.00	12.68	9.67	7.34	10.02
² TS1' _B	18.86	15.34	13.89	18.27	14.75	13.31
² IM1 _B	-1.91	-2.69	-4.30	-6.21	-6.99	-8.60
² TS2 _B	31.10	30.16	31.22	25.87	24.92	25.99
² IM2 _B	16.72	16.17	16.47	12.54	11.98	12.29
² TS3 _B	22.46	21.39	21.12	21.87	20.80	20.52
² Pr _B	-23.20	-20.54	-20.63	-22.30	-19.64	-19.74
² TS4 _B	13.45	13.18	12.60	13.60	13.34	12.75
² IM4 _B	8.36	8.52	7.40	11.75	11.91	10.79

Table S5: Group spin densities and charges (in au) of UB3LYP/BS1 optimized geometries in Gaussian for gliotoxin activation by a P450 Cpd I model B.

(a) Spin densities.

	Fe	O	Por	SH	Sub	Prot	Sum
⁴ Re _B	1.24	0.78	0.59	0.38	0.01	0.00	3.00
⁴ TS1 _B	1.65	0.37	0.64	0.11	0.22	0.00	3.00
⁴ TS1' _B	1.56	0.49	0.08	0.06	0.80	0.01	3.00
⁴ IM1 _B	1.79	0.22	-0.11	0.10	0.99	0.01	3.00
⁴ TS2 _B	1.80	0.23	-0.12	0.08	1.00	0.00	3.00
⁴ IM2 _B	1.79	0.22	-0.11	0.10	1.00	0.00	3.00
⁴ TS3 _B	2.29	-0.08	-0.10	0.21	0.68	0.00	3.00
⁴ Pr _B	2.51	0.00	0.03	0.46	0.00	0.00	3.00
⁴ TS4 _B	0.98	0.32	0.10	0.13	1.45	0.00	3.00
⁴ IM4 _B	2.47	0.04	0.06	0.48	-0.04	-0.01	3.00
² Re _B	1.39	0.73	-0.66	-0.46	0.01	0.00	1.00
² TS1 _B	1.81	0.32	-0.85	-0.08	-0.19	-0.01	1.00
² TS1' _B	1.62	0.47	-0.31	-0.02	-0.76	0.00	1.00
² IM1 _B	1.79	0.22	-0.11	0.10	-0.99	-0.01	1.00
² TS2 _B	1.80	0.23	-0.12	0.08	-0.99	0.00	1.00
² IM2' _B	1.01	0.05	-0.69	-0.35	0.98	0.00	1.00
² IM2 _B	1.78	0.23	-0.11	0.09	-0.99	0.00	1.00
² TS3 _B	1.11	-0.08	-0.54	-0.15	0.65	0.00	1.00
² Pr _B	1.14	0.00	-0.10	-0.04	0.00	0.00	1.00
² TS4 _B	0.99	0.32	0.10	0.13	-0.53	0.00	1.00
² IM4 _B	1.20	0.04	-0.13	-0.07	-0.04	-0.01	1.00

(b) Charges.

	Fe	O	Por	SH	Sub	Prot	Sum
⁴ Re _B	0.47	-0.52	0.07	-0.06	-0.05	0.10	0.00
⁴ TS1 _B	0.41	-0.70	0.31	0.05	-0.14	0.07	0.00
⁴ TS1' _B	0.43	-0.70	-0.18	-0.04	0.40	0.09	0.00
⁴ IM1 _B	0.39	-0.70	-0.23	0.07	0.40	0.09	0.00
⁴ TS2 _B	0.40	-0.73	-0.26	0.05	0.46	0.09	0.00
⁴ IM2 _B	0.38	-0.71	-0.25	0.05	0.43	0.09	0.00
⁴ TS3 _B	0.43	-0.69	-0.36	-0.06	0.60	0.09	0.00
⁴ Pr _B	0.46	-0.64	-0.46	-0.16	0.73	0.08	0.00
⁴ TS4 _B	0.25	-0.60	-0.37	0.01	0.60	0.10	0.00
⁴ IM4 _B	0.45	-0.62	-0.38	-0.15	0.62	0.08	0.00
² Re _B	0.48	-0.53	0.05	-0.05	-0.06	0.10	0.00
² TS1 _B	0.42	-0.71	0.31	0.03	-0.14	0.08	0.00
² TS1' _B	0.43	-0.70	-0.18	-0.04	0.41	0.09	0.00
² IM1 _B	0.39	-0.70	-0.23	0.07	0.40	0.09	0.00
² TS2 _B	0.40	-0.73	-0.26	0.05	0.46	0.09	0.00
² IM2' _B	0.33	-0.73	-0.05	-0.04	0.40	0.09	0.00
² IM2 _B	0.38	-0.71	-0.25	0.05	0.43	0.09	0.00
² TS3 _B	0.30	-0.71	-0.23	-0.06	0.63	0.09	0.00
² Pr _B	0.23	-0.64	-0.49	0.04	0.78	0.08	0.00
² TS4 _B	0.25	-0.60	-0.37	0.01	0.61	0.10	0.00
² IM4 _B	0.27	-0.63	-0.38	0.01	0.63	0.09	0.00

Table S6: Absolute (in au) and relative (in kcal mol⁻¹) energies and free energies of UB3LYP/BS1 optimized geometries in Gaussian for gliotoxin activation by a P450 Cpd I model G.

	E [BS1, au]	ZPE [au]	G [au]	E [BS2, au]
⁴ Re_G	-9659.023178	2.748285	-9656.525310	-9661.406558
⁴ TS1_G	-9659.001007	2.743864	-9656.505741	-9661.388051
⁴ IM1_G	-9659.011753	2.745122	-9656.522346	-9661.397701

Table S7: Group spin densities and charges (in au) of UB3LYP/BS1 optimized geometries in Gaussian for gliotoxin activation by a P450 Cpd I model G.

	ΔE [BS1]	$\Delta E + ZPE$	ΔG	ΔE [BS2]	$\Delta E + ZPE$	ΔG
⁴ Re_G	0.00	0.00	0.00	0.00	0.00	0.00
⁴ TS1_G	13.91	11.14	12.28	11.61	8.84	9.98
⁴ IM1_G	7.17	5.18	1.86	5.56	3.57	0.25

Cartesian coordinates:

Model B structures:

⁴Re_B:

6	136.938461000	2.745774000	13.300385000
6	138.331481000	2.843834000	12.671116000
8	139.206372000	2.007417000	12.878943000
6	136.901364000	1.890405000	14.575923000
6	137.712447000	2.526321000	15.713744000
6	135.450862000	1.629694000	15.006808000
1	136.542008000	3.751498000	13.499878000
1	137.371862000	0.931070000	14.328977000
1	137.682739000	1.903184000	16.616096000
1	137.311953000	3.516661000	15.978149000
1	138.759360000	2.648747000	15.422652000
1	135.411998000	0.967531000	15.880960000
1	134.949158000	2.571487000	15.275884000
1	134.865912000	1.167355000	14.202993000
7	138.503512000	3.917942000	11.844034000
6	139.711610000	4.138752000	11.066692000
6	139.497678000	4.007629000	9.540903000
6	139.140687000	2.612242000	9.077936000
6	140.125611000	1.729145000	8.619396000
6	137.814524000	2.152285000	9.101859000
6	139.808473000	0.438387000	8.191301000
6	137.481632000	0.864601000	8.689831000
6	138.480781000	0.004013000	8.225210000
8	138.096324000	-1.242501000	7.793410000
1	137.747423000	4.586107000	11.744305000
1	140.441389000	3.405236000	11.417062000
1	140.427098000	4.330198000	9.052990000
1	138.720218000	4.714996000	9.224443000
1	141.163759000	2.053223000	8.588786000
1	137.023624000	2.817069000	9.438296000
1	140.592564000	-0.226160000	7.831138000
1	136.452946000	0.519640000	8.704719000
1	138.888927000	-1.745135000	7.548148000
6	134.862124000	5.619060000	17.604475000
6	133.678672000	5.657320000	16.647615000
8	133.382862000	6.647986000	15.980810000
6	135.315628000	7.007659000	18.056014000
1	134.615837000	4.984474000	18.465906000
1	134.532134000	7.516813000	18.627070000
1	136.202477000	6.927355000	18.691778000
1	135.561635000	7.631989000	17.193551000
7	132.935952000	4.502062000	16.572074000
6	132.039452000	4.265500000	15.442952000
6	130.820818000	5.186774000	15.369078000
8	130.220035000	5.324552000	14.303245000
1	133.312420000	3.682894000	17.032422000
1	132.562590000	4.383539000	14.488412000
7	130.454382000	5.823526000	16.509005000
6	129.395588000	6.819123000	16.508725000
6	129.636342000	8.034552000	15.595508000
8	128.675498000	8.727241000	15.252876000
1	131.035028000	5.702239000	17.326792000
1	128.455078000	6.375548000	16.171035000
7	130.907956000	8.262882000	15.190499000
6	131.200423000	9.313310000	14.222210000
6	130.482692000	9.107719000	12.880684000
8	130.356551000	10.080827000	12.118014000
6	132.711597000	9.478334000	13.998719000
6	133.488953000	9.997468000	15.218421000
16	132.862735000	11.541573000	15.989712000
6	133.096368000	12.743166000	14.631858000
1	131.661192000	7.640311000	15.475795000
1	130.799268000	10.256752000	14.607449000
1	133.150662000	8.516494000	13.700743000
1	132.839928000	10.154340000	13.147768000
1	134.538404000	10.140301000	14.937011000
1	133.476177000	9.258547000	16.024810000
1	132.758542000	13.710646000	15.013354000
1	132.498159000	12.485395000	13.753481000
1	134.150877000	12.829148000	14.352499000

7	129.966790000	7.895182000	12.613529000
6	129.178048000	7.647119000	11.414071000
6	128.015069000	8.635505000	11.279919000
8	127.583079000	8.926528000	10.148605000
6	128.656152000	6.202334000	11.407498000
1	130.129857000	7.115638000	13.246436000
1	129.811131000	7.806099000	10.537555000
1	128.140480000	6.000790000	10.465270000
1	127.974650000	6.020847000	12.245087000
1	129.495172000	5.506193000	11.495033000
7	127.453509000	9.155036000	12.387896000
6	126.370512000	10.118597000	12.247330000
6	126.770025000	11.456014000	11.597592000
8	125.916798000	12.136989000	11.021747000
1	127.841246000	8.952186000	13.308745000
1	125.961739000	10.322083000	13.241505000
1	125.577149000	9.701872000	11.622226000
7	128.057465000	11.849802000	11.745689000
6	128.566889000	13.044412000	11.098316000
6	129.358948000	12.851848000	9.792724000
8	129.582096000	13.834694000	9.089207000
1	128.727698000	11.218178000	12.176900000
1	127.719420000	13.687910000	10.858237000
7	129.790374000	11.590025000	9.504512000
6	130.639680000	11.334898000	8.346562000
6	130.010910000	10.424279000	7.270103000
8	130.532843000	10.372291000	6.156523000
6	131.996164000	10.725825000	8.752186000
6	132.839360000	11.588730000	9.645622000
6	132.810815000	12.945074000	9.871419000
7	133.874908000	11.024838000	10.375866000
6	134.458911000	12.020127000	11.018125000
7	133.847290000	13.200829000	10.749704000
1	129.805573000	10.908370000	10.259321000
1	130.792787000	12.298574000	7.856633000
1	132.538153000	10.504377000	7.824693000
1	131.829993000	9.763802000	9.250535000
1	132.145957000	13.718833000	9.518001000
1	135.312555000	11.945912000	11.676160000
1	134.142099000	14.103266000	11.099884000
7	128.931642000	9.687060000	7.640875000
6	128.335887000	8.703132000	6.744162000
6	126.863705000	8.970244000	6.388745000
8	126.423825000	8.596680000	5.290894000
6	128.494507000	7.248858000	7.252521000
8	127.546860000	6.872129000	8.234828000
1	128.601984000	9.749975000	8.597583000
1	128.891400000	8.786282000	5.808340000
1	129.531457000	7.130220000	7.606123000
1	128.345303000	6.572429000	6.408245000
1	127.552429000	7.547627000	8.940338000
7	126.094555000	9.595469000	7.302342000
6	124.667300000	9.816399000	7.109350000
6	124.185641000	10.895337000	8.073751000
8	124.400686000	10.448435000	9.403556000
1	126.413988000	9.694267000	8.259763000
1	124.109227000	8.886895000	7.286920000
1	124.727783000	11.831023000	7.875954000
1	123.115458000	11.081986000	7.891817000
1	124.750910000	11.181967000	9.947835000
7	133.369243000	15.790193000	4.644266000
6	133.965604000	16.314648000	5.895059000
6	135.365928000	15.731698000	6.185132000
8	135.992027000	16.099617000	7.185000000
6	132.954878000	15.956218000	7.014336000
6	132.127023000	14.815118000	6.402368000
6	132.027405000	15.238482000	4.934118000
1	134.115355000	17.401415000	5.854633000
1	132.308087000	16.817328000	7.219779000
1	133.462600000	15.692530000	7.945415000
1	132.670306000	13.865796000	6.478279000
1	131.150878000	14.688109000	6.879473000
1	131.800988000	14.403481000	4.262106000
1	131.233140000	15.993059000	4.812755000
7	135.805658000	14.834945000	5.280071000

6	137.128497000	14.224975000	5.293543000	5	131.607782000	2.675492000	4.743235000
6	137.129254000	12.724758000	4.927463000	6	135.721544000	1.594597000	5.394935000
6	136.739877000	11.797748000	6.098375000	7	132.238066000	3.891860000	4.833050000
6	138.526479000	12.336480000	4.414231000	26	134.191230000	4.219061000	5.211782000
6	135.356164000	12.021249000	6.718851000	1	137.831231000	1.604424000	5.618174000
1	135.156989000	14.666392000	4.514966000	1	136.817369000	7.876788000	5.261582000
1	137.557029000	14.370562000	6.288321000	1	130.556130000	6.826977000	4.578025000
1	136.407909000	12.575118000	4.106760000	1	131.598606000	0.559691000	4.815257000
1	137.506788000	11.897015000	6.876527000	6	133.270754000	7.281946000	10.105346000
1	136.801900000	10.760964000	5.732908000	7	134.330196000	8.139537000	10.145051000
1	138.809013000	12.922852000	3.531541000	8	132.096630000	7.633453000	10.108444000
1	138.563490000	11.276254000	4.137475000	16	136.015958000	6.760572000	11.898913000
1	139.278078000	12.507793000	5.194215000	6	133.712897000	5.803204000	10.085517000
1	135.143376000	11.252761000	7.471975000	7	134.817415000	5.624616000	9.180658000
1	134.558395000	11.977884000	5.965817000	8	136.860274000	6.418132000	8.489783000
1	135.290187000	12.992814000	7.216946000	16	134.272991000	5.541163000	11.917247000
16	134.585910000	4.337423000	2.740912000	6	132.531287000	4.859244000	9.792585000
1	133.360505000	4.780670000	2.380436000	8	138.019880000	8.274816000	10.163929000
6	140.953733000	12.671563000	9.583525000	6	132.652182000	3.436426000	10.303618000
6	139.831152000	13.547910000	9.037717000	6	133.333882000	2.453782000	9.570374000
8	139.248564000	13.279689000	7.987524000	6	133.433412000	1.149042000	10.057293000
6	140.398376000	11.519385000	10.446689000	6	132.847783000	0.802924000	11.277744000
6	141.463839000	10.533120000	10.968949000	6	132.148218000	1.769105000	12.002867000
6	140.853758000	9.617384000	12.042279000	6	132.048061000	3.075082000	11.517462000
6	142.082065000	9.697629000	9.837346000	6	135.853772000	6.498568000	9.197081000
1	141.487689000	12.274476000	8.716067000	6	135.660186000	7.629901000	10.215275000
1	139.871664000	11.953194000	11.309333000	6	136.700206000	8.745142000	10.026623000
1	139.647399000	10.963432000	9.869908000	1	133.760830000	2.708631000	8.603876000
1	142.267905000	11.121783000	11.438555000	1	133.954063000	0.395988000	9.471320000
1	141.598925000	8.910853000	12.427632000	1	131.648061000	5.386709000	10.219408000
1	140.477336000	10.199731000	12.892898000	1	132.403287000	4.863637000	8.703626000
1	140.016876000	9.040203000	11.631269000	1	132.918234000	-0.216313000	11.648635000
1	142.843852000	9.013393000	10.229436000	1	131.662951000	1.501737000	12.938668000
1	142.562440000	10.320003000	9.074175000	1	131.484359000	3.815355000	12.082578000
1	141.311670000	9.092705000	9.342357000	1	136.519200000	9.190224000	9.036959000
7	139.491583000	14.625281000	9.806381000	1	136.543028000	9.519511000	10.781370000
6	138.354174000	15.481785000	9.487961000	1	134.155674000	9.154543000	10.292613000
6	136.991599000	14.933245000	9.967795000	1	134.734138000	4.960855000	8.395026000
6	136.795933000	14.963579000	11.466655000	1	138.111927000	7.593535000	9.467131000
6	137.317117000	13.956974000	12.298606000	8	128.298571000	7.100232000	3.867408000
6	136.094598000	16.018606000	12.074780000	1	127.567875000	7.587783000	4.318474000
6	137.154444000	14.008861000	13.685329000	1	128.418713000	7.570639000	3.029214000
6	135.924791000	16.072079000	13.461104000	1	136.272188000	2.307359000	12.543863000
6	136.456634000	15.067903000	14.272728000	1	140.101037000	5.142191000	11.285063000
1	139.955935000	14.749135000	10.694583000	1	135.681190000	5.107571000	17.077977000
1	138.302257000	15.592246000	8.403913000	1	129.248247000	7.170730000	17.533831000
1	136.224387000	15.528972000	9.463889000	1	129.215400000	13.590593000	11.793178000
1	136.895408000	13.910542000	9.585788000	1	124.496668000	10.113296000	6.070773000
1	137.852009000	13.122943000	11.850560000	1	133.336730000	16.499138000	3.918455000
1	135.686681000	16.811523000	11.450932000	1	137.772592000	14.764101000	4.582560000
1	137.572738000	13.221643000	14.307817000	1	141.665793000	13.266385000	10.172010000
1	135.378803000	16.900080000	13.905993000	1	139.396033000	3.702022000	5.566048000
1	136.328818000	15.108433000	15.350946000	1	134.7110396000	9.434384000	5.097798000
7	136.177485000	4.546327000	5.261505000	1	129.061275000	4.750550000	4.261663000
7	133.879446000	6.197478000	4.990947000	1	133.667465000	-0.997701000	5.280266000
7	134.527041000	2.227049000	5.192909000	1	138.964285000	6.378684000	5.409413000
6	136.957973000	2.231331000	5.472179000	1	132.041634000	8.997218000	4.892069000
6	136.186619000	6.994816000	5.208504000	1	129.486272000	2.051557000	4.375232000
6	131.442296000	6.211402000	4.711238000	1	136.321192000	-0.549775000	5.661534000
6	132.228254000	1.441778000	4.885238000	1	138.542498000	16.469307000	9.922246000
6	137.166135000	3.599034000	5.390828000	1	131.684004000	3.232396000	15.502277000
6	134.821513000	7.196312000	5.084535000				
6	131.255625000	4.831008000	4.667468000				
6	133.584515000	1.237443000	5.117825000				
8	134.010847000	4.237530000	6.848078000				
6	138.459174000	4.232777000	5.458914000				
6	134.184416000	8.490285000	5.038292000				
6	129.976501000	4.201115000	4.444439000				
6	134.199341000	-0.054900000	5.294324000				
6	138.241867000	5.573422000	5.382137000				
6	132.847008000	8.273502000	4.916091000				
6	130.198281000	2.858262000	4.494977000				
6	135.532182000	0.166992000	5.473220000				
6	136.817020000	5.757825000	5.268916000				
6	132.665830000	6.841497000	4.877625000				

1	134.673453000	1.839479000	16.294457000	7	128.156263000	11.722554000	11.591170000
1	134.639521000	0.270470000	15.474026000	6	128.669585000	12.878132000	10.879352000
7	137.235038000	2.950473000	11.982473000	6	129.463342000	12.606955000	9.588042000
6	138.248460000	3.229523000	10.974219000	8	129.669912000	13.539455000	8.815048000
6	137.900852000	2.690501000	9.577872000	1	128.827197000	11.104453000	12.041208000
6	137.706506000	1.189969000	9.446016000	1	127.825468000	13.511872000	10.604691000
6	138.394855000	0.253341000	10.228383000	7	129.920695000	11.335581000	9.393158000
6	136.830568000	0.695722000	8.465763000	6	130.816526000	11.015074000	8.286624000
6	138.226769000	-1.118756000	10.028568000	6	130.228925000	10.016672000	7.263921000
6	136.655795000	-0.670643000	8.251139000	8	130.870990000	9.748116000	6.242945000
6	137.363272000	-1.587247000	9.034944000	6	132.161323000	10.463285000	8.792002000
8	137.164561000	-2.922775000	8.791986000	6	132.969019000	11.399077000	9.641800000
1	136.328762000	3.393230000	11.875202000	6	132.907320000	12.763930000	9.799148000
1	139.183054000	2.809624000	11.351866000	7	134.012359000	10.894389000	10.403494000
1	138.704155000	3.020576000	8.901162000	6	134.568017000	11.932682000	10.999450000
1	137.000535000	3.205344000	9.222772000	7	133.932377000	13.085852000	10.669614000
1	139.042196000	0.582689000	11.034911000	1	129.945031000	10.710897000	10.196979000
1	136.265350000	1.399622000	7.859809000	1	130.971305000	11.944641000	7.731616000
1	138.766931000	-1.825743000	10.657150000	1	132.746163000	10.171401000	7.913550000
1	135.971211000	-1.037589000	7.491977000	1	131.986980000	9.540030000	9.356423000
1	137.705014000	-3.432891000	9.415152000	1	132.234350000	13.507014000	9.398375000
6	134.971852000	5.685098000	17.597992000	1	135.419097000	11.910162000	11.664758000
6	133.779563000	5.731971000	16.653284000	1	134.197583000	14.010097000	10.983757000
8	133.446746000	6.749192000	16.045445000	7	129.021503000	9.479911000	7.560388000
6	135.333167000	7.051869000	18.181036000	6	128.372456000	8.517060000	6.676034000
1	134.784156000	4.952720000	18.393828000	6	126.917417000	8.871724000	6.326166000
1	134.520434000	7.449686000	18.798139000	8	126.490414000	8.627647000	5.187467000
1	136.227363000	6.971702000	18.806531000	6	128.464132000	7.054396000	7.176343000
1	135.531374000	7.770932000	17.382436000	8	127.533389000	6.720955000	8.185908000
7	133.077983000	4.557937000	16.515578000	1	128.613568000	9.696914000	8.462071000
6	132.203680000	4.340190000	15.364936000	1	128.924242000	8.561946000	5.736308000
6	130.924436000	5.176299000	15.334430000	1	129.504740000	6.875560000	7.492292000
8	130.285363000	5.278399000	14.286213000	1	128.249543000	6.395629000	6.330448000
1	133.478473000	3.731730000	16.942719000	1	127.605966000	7.385185000	8.899323000
1	132.726220000	4.564580000	14.428457000	7	126.146803000	9.432943000	7.280369000
7	130.554880000	5.800857000	16.480429000	6	124.739327000	9.744211000	7.058936000
6	129.479694000	6.779012000	16.481228000	6	124.289347000	10.824044000	8.036001000
6	129.698156000	7.983179000	15.546104000	8	124.423869000	10.332149000	9.360017000
8	128.725503000	8.648856000	15.181886000	1	126.432245000	9.417207000	8.254341000
1	131.167701000	5.723467000	17.279673000	1	124.124507000	8.844240000	7.196540000
1	128.542938000	6.317195000	16.158920000	1	124.895509000	11.728653000	7.885649000
7	130.968028000	8.228821000	15.147480000	1	123.240486000	11.082020000	7.818809000
6	131.255481000	9.266659000	14.165685000	1	124.799247000	11.037460000	9.925368000
6	130.565498000	9.025749000	12.816477000	7	132.888407000	16.277647000	4.708574000
8	130.447353000	9.985335000	12.033478000	6	133.425239000	16.663846000	6.034686000
6	132.767155000	9.460099000	13.968110000	6	134.889682000	16.222641000	6.243956000
6	133.504519000	10.041687000	15.184434000	8	135.472886000	16.506424000	7.295696000
16	132.819993000	11.592084000	15.891953000	6	132.482195000	15.997652000	7.069019000
6	133.010663000	12.745400000	14.486447000	6	131.806126000	14.873065000	6.269318000
1	131.734166000	7.636695000	15.463806000	6	131.632153000	15.518482000	4.891729000
1	130.827350000	10.208501000	14.525948000	1	133.433490000	17.752645000	6.173747000
1	133.235022000	8.498928000	13.716375000	1	131.728935000	16.719211000	7.406133000
1	132.900851000	10.107103000	13.096040000	1	133.030792000	15.654144000	7.949476000
1	134.554588000	10.205145000	14.917268000	1	132.475176000	14.007537000	6.190853000
1	133.496614000	9.330356000	16.015327000	1	130.866080000	14.538347000	6.715270000
1	132.638894000	13.715096000	14.828910000	1	131.504842000	14.786544000	4.086099000
1	132.422145000	12.429926000	13.620355000	1	130.746070000	16.174239000	4.892207000
1	134.061275000	12.856612000	14.202113000	7	135.427138000	15.532938000	5.218171000
7	130.054629000	7.809338000	12.563956000	6	136.810682000	15.082372000	5.152255000
6	129.275446000	7.542159000	11.362398000	6	136.974869000	13.611390000	4.708817000
6	128.096245000	8.511715000	11.219710000	6	136.743136000	12.587812000	5.840581000
8	127.643619000	8.767869000	10.087757000	6	138.387899000	13.418617000	4.131825000
6	128.776349000	6.089579000	11.360999000	6	135.364985000	12.606553000	6.512212000
1	130.216599000	7.038223000	13.207960000	1	134.796255000	15.405005000	4.430729000
1	129.910234000	7.704940000	10.487303000	1	137.260083000	15.232998000	6.136747000
1	128.244961000	5.881125000	10.428990000	1	136.244541000	13.415921000	3.906052000
1	128.113345000	5.895805000	12.210467000	1	137.519174000	12.745582000	6.600190000
1	129.628281000	5.407926000	11.429874000	1	136.918994000	11.586589000	5.418252000
7	127.550468000	9.057396000	12.323137000	1	138.564737000	14.076874000	3.272523000
6	126.468327000	10.020015000	12.177711000	1	138.539553000	12.385111000	3.798679000
6	126.863021000	11.336728000	11.484041000	1	139.142591000	13.642497000	4.895217000
8	126.002987000	12.007721000	10.905747000	1	135.270449000	11.776592000	7.223878000
1	127.945718000	8.870100000	13.244784000	1	134.555009000	12.508619000	5.778059000
1	126.078449000	10.251074000	13.173390000	1	135.201523000	13.532499000	7.071025000
1	125.661565000	9.591133000	11.578368000	16	135.266071000	4.847152000	2.987514000

1	134.074534000	5.375636000	2.631598000	5	138.161328000	8.088888000	10.256306000
6	140.922205000	13.712993000	9.133979000	6	132.827676000	3.278243000	10.532732000
6	139.699989000	14.526612000	8.722293000	6	133.667215000	2.290919000	9.996594000
8	139.151207000	14.360203000	7.633447000	6	133.748797000	1.027663000	10.584977000
6	140.504113000	12.343537000	9.709686000	6	132.979294000	0.125045000	11.712163000
6	141.673658000	11.394797000	10.042869000	6	132.131882000	1.696576000	12.247930000
6	141.176984000	10.222804000	10.904672000	6	132.058565000	2.963539000	11.663531000
6	142.380171000	10.880807000	8.778966000	6	136.002950000	6.239235000	9.340532000
1	141.525735000	13.578363000	8.231942000	6	135.805054000	7.446059000	10.27985000
1	139.919446000	12.513453000	10.625037000	6	136.848309000	8.549288000	10.051654000
1	139.829102000	11.851584000	8.996596000	1	134.246167000	2.512862000	9.106117000
1	142.408949000	11.962591000	10.634943000	1	134.409736000	0.280276000	10.155534000
1	141.994073000	9.527763000	11.132615000	1	131.817362000	5.155046000	10.276366000
1	140.769718000	10.579051000	11.859098000	1	132.575736000	4.542877000	8.811976000
1	140.383891000	9.654654000	10.402698000	1	133.029804000	-0.265259000	12.158067000
1	143.219828000	10.226581000	9.041287000	1	131.512255000	1.464312000	13.111507000
1	142.778009000	11.695605000	8.163677000	1	131.395980000	3.712347000	12.092804000
1	141.687123000	10.299622000	8.156945000	1	136.692057000	8.930969000	9.029433000
7	139.236887000	15.416504000	9.649793000	1	136.667680000	9.373005000	10.748154000
6	137.985142000	16.144798000	9.476824000	1	134.297679000	8.953570000	10.336650000
6	136.734835000	15.370375000	9.950903000	1	134.783739000	4.555619000	7.677583000
6	136.653860000	15.173607000	11.448253000	1	138.226726000	7.307866000	9.663523000
6	137.315088000	14.108125000	12.084484000	8	128.394675000	7.314121000	3.637233000
6	135.928117000	16.069016000	12.251690000	1	127.634407000	7.723216000	4.114661000
6	137.262153000	13.949389000	13.471544000	1	128.741284000	8.034981000	3.090893000
6	135.869259000	15.912297000	13.639020000	1	135.487503000	1.374280000	13.433313000
6	136.538345000	14.852376000	14.255169000	1	138.376834000	4.315427000	10.894750000
1	139.682485000	15.438696000	10.556103000	1	135.816030000	5.289590000	17.015071000
1	137.861025000	16.356735000	8.414252000	1	129.338792000	7.141964000	17.503344000
1	135.866738000	15.924867000	9.581229000	1	129.322699000	13.458284000	11.541992000
1	136.730787000	14.404357000	9.433562000	1	124.618965000	10.074861000	6.024113000
1	137.869599000	13.392819000	11.481761000	1	132.758102000	17.085134000	4.107321000
1	135.410006000	16.902391000	11.781261000	1	137.354008000	15.726979000	4.445472000
1	137.785574000	13.119776000	13.940374000	1	141.533099000	14.255547000	9.868118000
1	135.300849000	16.619108000	14.238066000	1	139.812763		

1	135.593268000	0.157640000	7.660587000	1	131.165654000	11.864589000	7.898834000
1	137.936227000	-2.408063000	11.189394000	1	132.887129000	10.045245000	8.146612000
1	134.988075000	-2.214881000	8.072238000	1	132.055125000	9.452341000	9.571605000
1	136.603280000	-4.153788000	10.531760000	1	132.475388000	13.404022000	9.582515000
6	134.690810000	5.595979000	17.910283000	1	135.465904000	11.689091000	12.022420000
6	133.497232000	5.590671000	16.967372000	1	134.390673000	13.836637000	11.247017000
8	133.219800000	6.531175000	16.224084000	7	129.184725000	9.419059000	7.684281000
6	135.152621000	8.176821000	18.289365000	6	128.563126000	8.436029000	6.800575000
1	134.456308000	5.002570000	18.803666000	6	127.118589000	8.784527000	6.403404000
1	134.378715000	7.541445000	18.847360000	8	126.718173000	8.511773000	5.263520000
1	136.048444000	6.951596000	18.915362000	6	128.644750000	6.985537000	7.333857000
1	135.388299000	7.584511000	17.394299000	8	127.707037000	6.678758000	8.347103000
7	132.721850000	4.454117000	16.990390000	1	128.735689000	9.678103000	8.553664000
6	131.821768000	4.149862000	15.881242000	1	129.143783000	8.457361000	5.877438000
6	130.646671000	5.114018000	15.706516000	1	129.683757000	6.814201000	7.661847000
8	130.087242000	5.208698000	14.613988000	1	128.438521000	6.309352000	6.500928000
1	133.084275000	3.663693000	17.508678000	1	127.752808000	7.377321000	9.028274000
1	132.353839000	4.150539000	14.924185000	7	126.329034000	9.377469000	7.325712000
7	130.266631000	5.828137000	16.795081000	6	124.929564000	9.692541000	7.066126000
6	129.235680000	6.848595000	16.703213000	6	124.474054000	10.815200000	7.991301000
6	129.539616000	8.005095000	15.735227000	8	124.587619000	10.376802000	9.337124000
8	128.610364000	8.704860000	15.325572000	1	126.589786000	9.383102000	8.306319000
1	130.818579000	5.739495000	17.636835000	1	124.301829000	8.805300000	7.227115000
1	128.295821000	6.409767000	16.357656000	1	125.089543000	11.708229000	7.812491000
7	130.829103000	8.176821000	15.360554000	1	123.430166000	11.071873000	7.750698000
6	131.183967000	9.177517000	14.362028000	1	124.948539000	11.103396000	9.883417000
6	130.529730000	8.920874000	12.997268000	7	132.652052000	16.451324000	4.821920000
8	130.476851000	9.853131000	12.177543000	6	133.187395000	16.761669000	6.167972000
6	132.705835000	9.323545000	14.212981000	6	134.662767000	16.342608000	6.340233000
6	133.419161000	9.881499000	15.454267000	8	135.251811000	16.587361000	7.399033000
16	132.771361000	11.459966000	16.132205000	6	132.267093000	16.003051000	7.159503000
6	133.145272000	12.618202000	14.768101000	6	131.599031000	14.930080000	6.285934000
1	131.554179000	7.544867000	15.694533000	6	131.404752000	15.669568000	4.959792000
1	130.773518000	10.140717000	14.684244000	1	133.169878000	17.838312000	6.381416000
1	133.152675000	8.348205000	13.976322000	1	131.506690000	16.683888000	7.559128000
1	132.886462000	9.965587000	13.345616000	1	132.830205000	15.603608000	8.006528000
1	134.484806000	10.003050000	15.229189000	1	132.277452000	14.080861000	6.140201000
1	133.351394000	9.073566000	16.285267000	1	130.669336000	14.552146000	6.717132000
1	132.801677000	13.603291000	15.095406000	1	131.277384000	14.996374000	4.104507000
1	132.615947000	12.350719000	13.849309000	1	130.512246000	16.314722000	5.015203000
1	134.221060000	12.672344000	14.574617000	7	135.200839000	15.710144000	5.279248000
7	129.979008000	7.714672000	12.766120000	6	136.588973000	15.279789000	5.180996000
6	129.203418000	7.451514000	11.559738000	6	136.765335000	13.831285000	4.673105000
6	128.098284000	8.496085000	11.351838000	6	136.558978000	12.755925000	5.761049000
8	127.717323000	8.767090000	10.199075000	6	138.173096000	13.681264000	4.071261000
6	128.591167000	6.043078000	11.611057000	6	135.190302000	12.730979000	6.451883000
1	130.069325000	6.967209000	13.450440000	1	134.564411000	15.609435000	4.492197000
1	129.859561000	7.533795000	10.687991000	1	137.046256000	15.392960000	6.166878000
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1	127.865028000	5.956886000	12.425996000	1	137.344694000	12.885878000	6.516392000
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7	127.529717000	9.077241000	12.425837000	1	138.329743000	14.375936000	3.237040000
6	126.488196000	10.074402000	12.223304000	1	138.334079000	12.664350000	3.694842000
6	126.952478000	11.370793000	11.536185000	1	138.935144000	13.885215000	4.833130000
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1	127.877110000	8.887897000	13.365715000	1	134.371664000	12.660497000	5.724678000
1	126.063279000	10.328914000	13.198717000	1	135.027568000	13.627163000	7.058056000
1	125.694829000	9.664871000	11.593260000	16	135.600929000	4.739900000	2.968151000
7	128.253766000	11.716105000	11.688439000	1	134.301472000	4.907958000	2.636826000
6	128.821741000	12.861489000	11.002234000	6	140.818854000	13.973056000	9.057510000
6	129.658934000	12.579597000	9.741972000	6	139.549719000	14.732704000	8.686210000
8	129.954314000	13.519652000	9.008350000	8	138.963693000	14.530218000	7.623752000
1	128.887758000	11.078079000	12.162168000	6	140.471749000	12.586507000	9.637876000
1	128.002102000	13.513899000	10.697914000	6	141.684847000	11.688193000	9.953780000
7	130.047718000	11.289098000	9.527538000	6	141.242429000	10.487965000	10.805978000
6	130.973104000	10.942598000	8.454061000	6	142.404730000	11.216987000	8.680968000
6	130.411077000	9.934838000	7.424688000	1	141.402149000	13.865579000	8.138618000
8	131.095196000	9.632721000	6.444437000	1	139.893265000	12.731167000	10.561659000
6	132.286525000	10.361939000	9.006820000	1	139.808391000	12.066675000	8.933806000
6	133.093902000	11.269121000	9.886027000	1	142.398388000	12.281055000	10.547710000
6	133.093200000	12.636668000	10.024429000	1	142.086855000	9.821953000	11.019854000
7	134.071692000	10.724148000	10.706573000	1	140.827058000	10.816883000	11.766697000
6	134.650155000	11.744242000	11.316042000	1	140.468230000	9.899321000	10.298266000
7	134.087978000	12.920199000	10.940987000	1	143.273089000	10.596395000	8.931370000
1	129.989730000	10.641605000	10.309851000	1	142.764277000	12.054061000	8.072157000

1	141.733571000	10.613791000	8.055963000	1	136.671526000	8.968736000	8.619652000
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6	137.802820000	16.290219000	9.493377000	1	134.339645000	8.832877000	10.460823000
6	136.599448000	15.463025000	10.000970000	1	135.253270000	4.724634000	7.878929000
6	136.582804000	15.242852000	11.496261000	1	138.4116070000	7.618736000	9.396595000
6	137.286560000	14.178749000	12.088021000	8	128.635500000	6.946827000	3.921777000
6	135.877889000	16.114629000	12.343792000	1	127.878114000	7.457514000	4.287446000
6	137.297768000	14.000793000	13.473885000	1	129.066546000	7.563798000	3.312051000
6	135.882870000	15.938382000	13.729960000	1	135.532042000	1.137585000	13.164786000
6	136.595735000	14.881761000	14.301215000	1	138.083813000	3.568037000	9.716320000
1	139.570026000	15.665620000	10.509798000	1	135.500844000	5.061750000	17.392895000
1	137.634377000	16.502972000	8.437125000	1	129.063114000	7.260504000	17.701572000
1	135.698822000	15.989981000	9.670114000	1	129.460000000	13.426692000	11.691458000
1	136.612736000	14.504988000	9.468328000	1	124.831681000	9.983457000	6.017161000
1	137.824569000	13.481202000	11.450852000	1	132.515188000	17.291017000	4.268087000
1	135.324797000	16.944313000	11.908344000	1	137.117291000	15.960951000	4.497537000
1	137.857052000	13.175340000	13.907648000	1	141.426857000	14.538513000	9.776566000
1	135.330378000	16.627816000	14.363142000	1	140.446173000	3.186380000	5.295696000
1	136.604640000	14.745958000	15.379256000	1	136.373063000	9.360076000	6.004322000
7	137.327474000	4.373790000	5.325539000	1	130.218580000	5.454840000	4.722053000
7	135.194881000	6.260224000	5.604907000	1	134.261325000	-0.754273000	4.150210000
7	135.437628000	2.288593000	4.854189000	1	140.288301000	8.867211000	5.671550000
6	137.866429000	2.002355000	4.992837000	1	133.650437000	9.202544000	5.913346000
6	137.587974000	6.786040000	5.707808000	1	130.387870000	2.791644000	4.235594000
6	132.759841000	6.559327000	5.427049000	1	136.954565000	-0.654477000	4.454552000
6	133.061741000	1.818778000	4.475379000	1	137.864231000	17.242570000	10.031097000
6	138.208909000	3.327943000	5.213861000	1	131.417475000	3.145035000	16.038671000
6	136.246047000	7.134492000	5.737921000				
6	132.429112000	5.254865000	5.083028000				
6	134.393108000	1.445321000	4.580037000				
8	135.193032000	3.892414000	6.948065000				
6	139.563049000	3.810335000	5.348037000				
6	135.748460000	8.480736000	5.903306000				
6	131.089400000	4.809660000	4.774577000				
6	134.884103000	0.100478000	4.381596000				
6	139.483695000	5.155981000	5.534694000				
6	134.386819000	8.410405000	5.854333000				
6	131.180010000	3.476087000	4.511761000				
6	136.235375000	0.150690000	4.532979000				

1	132.018860000	4.344086000	15.174771000	7	126.271557000	9.355785000	7.391684000
7	130.093648000	6.241432000	17.025070000	6	124.865992000	9.664820000	7.159084000
6	129.115122000	7.310435000	16.904886000	6	124.435708000	10.841217000	8.026674000
6	129.455251000	8.385525000	15.857454000	8	124.559531000	10.480636000	9.394571000
8	128.546137000	9.076591000	15.387674000	1	126.572822000	9.407773000	8.358826000
1	130.638331000	6.141094000	17.870197000	1	124.240149000	8.791535000	7.389374000
1	128.140044000	6.907670000	16.618139000	1	125.056916000	11.716653000	7.790436000
7	130.752049000	8.510306000	15.496098000	1	123.391241000	16.613132000	6.369254000
6	131.139057000	9.445355000	14.447728000	1	124.954535000	11.227124000	9.888678000
6	130.524341000	9.113583000	13.082013000	7	132.621483000	16.899860000	4.964040000
8	130.512657000	9.997665000	12.207899000	6	133.237905000	17.115097000	6.294264000
6	132.664596000	9.574594000	14.331700000	6	134.696291000	16.613132000	6.369254000
6	133.342193000	10.233730000	15.541616000	8	135.339780000	16.743007000	7.416760000
16	132.707215000	11.888544000	16.021503000	6	132.330491000	16.355568000	7.294816000
6	133.103361000	12.865687000	14.527790000	6	131.598471000	15.334676000	6.410790000
1	131.453098000	7.864672000	15.853695000	6	131.366813000	16.131475000	5.124114000
1	130.725801000	10.427635000	14.701179000	1	133.288224000	18.179892000	6.556040000
1	133.112335000	8.582760000	14.188293000	1	131.607581000	17.048569000	7.741490000
1	132.874450000	10.142410000	13.420301000	1	132.910544000	15.912370000	8.107793000
1	134.419264000	10.306494000	15.353537000	1	132.248206000	14.476151000	6.203761000
1	133.217665000	9.616845000	16.437071000	1	130.679914000	14.956177000	6.864380000
1	132.792668000	13.892465000	14.739053000	1	131.192240000	15.495156000	4.249128000
1	132.557027000	12.508176000	13.650441000	1	130.489823000	16.789323000	5.239986000
1	134.178472000	12.863206000	14.324016000	7	135.159342000	16.046965000	5.237986000
7	129.964941000	7.904515000	12.901978000	6	136.513851000	15.547162000	5.054809000
6	129.251698000	7.582352000	11.672904000	6	136.578919000	14.128628000	4.436559000
6	128.116074000	8.577217000	11.397036000	6	136.367486000	12.997986000	5.466030000
8	127.740293000	8.768511000	10.225813000	6	137.940834000	13.940057000	3.746797000
6	128.720029000	6.142913000	11.717444000	6	135.045253000	13.017181000	6.241877000
1	130.007954000	7.197068000	13.632510000	1	134.483244000	16.032812000	4.478057000
1	129.942442000	7.679397000	10.831147000	1	137.019112000	15.565390000	6.014511000
1	128.260029000	5.889982000	10.758539000	1	135.790789000	14.053791000	3.669241000
1	127.986648000	6.011640000	12.519588000	1	137.204206000	13.029172000	6.175370000
1	129.549959000	5.453058000	11.895116000	1	136.447476000	12.043445000	4.925584000
7	127.534514000	9.219716000	12.427803000	1	138.095695000	14.679922000	2.951975000
6	126.504390000	10.213895000	12.161755000	1	138.019070000	12.943532000	3.296739000
6	126.999000000	11.492334000	11.460268000	1	138.753801000	14.045090000	4.475322000
8	126.200728000	12.192510000	10.831041000	1	134.950207000	12.120745000	6.867433000
1	127.873916000	9.087496000	13.379964000	1	134.180608000	13.039533000	5.566724000
1	126.043230000	10.493921000	13.113308000	1	134.980543000	13.885628000	6.904193000
1	125.734573000	9.789953000	11.512452000	16	135.617820000	4.947673000	3.008546000
7	128.306242000	11.811169000	11.611281000	1	135.611739000	6.296331000	2.919974000
6	128.910732000	12.919090000	10.895490000	6	140.836231000	13.666784000	8.675703000
6	129.740569000	12.571408000	9.646104000	6	139.595964000	14.509281000	8.395971000
8	130.046787000	13.473581000	8.870852000	8	138.960217000	14.394213000	7.349140000
1	128.923177000	11.172725000	12.106170000	6	140.440744000	12.265137000	9.184974000
1	128.113020000	13.586710000	10.567179000	6	141.618034000	11.287073000	9.375555000
7	130.109896000	11.267256000	9.485914000	6	141.166569000	10.064318000	10.190114000
6	130.984027000	10.856380000	8.393186000	6	142.231202000	10.852775000	8.035479000
6	130.319160000	9.934735000	7.346529000	1	141.382045000	13.587342000	7.731212000
8	130.891983000	9.744072000	6.271912000	1	139.918204000	12.378868000	10.145804000
6	132.256302000	10.158436000	8.915359000	1	139.714992000	11.828751000	8.485546000
6	133.149105000	11.023190000	9.757116000	1	142.398292000	11.807389000	9.953379000
6	133.223085000	12.391906000	9.866224000	1	141.990896000	9.353724000	10.323955000
7	134.119287000	10.446274000	10.562853000	1	140.817958000	10.359553000	11.187512000
6	134.764751000	11.446951000	11.136957000	1	140.342252000	9.531563000	9.699668000
7	134.254797000	12.642614000	10.750424000	1	143.078713000	10.176026000	8.195591000
1	130.060041000	10.658009000	10.298472000	1	142.596263000	11.703555000	7.449266000
1	131.251061000	11.764740000	7.847530000	1	141.490457000	10.320627000	7.424480000
1	132.810473000	9.790798000	8.043711000	7	139.217161000	15.361283000	9.394816000
1	131.977929000	9.271491000	9.497821000	6	137.964129000	16.106222000	9.350046000
1	132.635770000	13.182385000	9.423403000	6	136.738398000	15.306891000	9.848204000
1	135.593571000	11.362940000	11.825175000	6	136.751736000	15.015508000	11.332180000
1	134.607819000	13.548217000	11.034163000	6	137.428758000	13.899220000	11.855317000
7	129.146676000	9.350122000	7.697490000	6	136.107201000	15.875761000	12.237539000
6	128.485533000	8.383326000	6.825324000	6	137.473391000	13.660275000	13.231522000
6	127.033081000	8.737074000	6.464446000	6	136.146523000	15.639294000	13.613699000
8	126.598110000	8.436867000	5.343305000	6	136.832995000	14.531597000	14.117028000
6	128.571357000	6.930968000	7.351739000	1	139.734250000	15.343357000	10.262314000
8	127.667999000	6.631148000	8.399430000	1	137.773063000	16.393569000	8.315518000
1	128.776900000	9.525256000	8.624563000	1	135.854401000	15.888728000	9.570077000
1	129.038219000	8.407410000	5.885360000	1	136.697642000	14.376558000	9.270244000
1	129.618886000	6.743762000	7.638599000	1	137.920252000	13.210480000	11.172484000
1	128.324046000	6.257809000	6.526899000	1	135.574628000	16.743845000	11.854884000
1	127.741732000	7.326965000	9.080066000	1	138.010999000	12.795141000	13.612103000

1	132.987836000	8.633038000	14.081852000	1	132.140501000	16.878365000	7.429890000
1	132.738274000	10.170737000	13.273226000	1	133.360488000	15.782712000	8.093075000
1	134.401850000	10.396849000	15.076517000	1	132.669625000	14.000113000	6.518527000
1	133.291102000	9.735883000	16.271178000	1	131.108918000	14.697185000	6.984217000
1	132.670516000	13.948650000	14.474020000	1	131.748620000	14.617468000	4.345328000
1	132.309412000	12.519529000	13.479674000	1	131.072547000	16.122165000	4.998647000
1	133.999532000	12.898888000	13.939949000	7	135.710895000	15.218181000	5.289451000
7	129.793411000	8.004129000	12.971425000	6	137.046783000	14.640507000	5.231878000
6	129.026357000	7.652752000	11.783328000	6	137.069743000	13.146168000	4.839676000
6	127.899630000	8.655732000	11.515550000	6	136.760563000	12.188950000	6.010295000
8	127.509558000	8.842887000	10.348021000	6	138.449244000	12.801971000	4.252622000
6	128.463191000	6.229566000	11.908822000	6	135.409223000	12.373729000	6.710016000
1	129.902824000	7.300454000	13.698083000	1	135.061045000	15.111381000	4.514110000
1	129.686386000	7.700622000	10.914476000	1	137.517605000	14.783544000	6.207486000
1	127.988736000	5.939557000	10.967841000	1	136.312363000	12.991692000	4.053411000
1	127.736403000	6.155602000	12.724415000	1	137.567423000	12.287554000	6.747256000
1	129.278099000	5.529474000	12.114629000	1	136.820811000	11.162014000	5.618639000
7	127.327143000	9.299872000	12.550411000	1	138.673033000	13.409340000	3.367179000
6	126.280903000	10.279378000	12.290522000	1	138.497810000	11.747715000	3.955807000
6	126.747746000	11.562707000	11.579333000	1	139.234020000	12.980384000	4.997511000
8	125.935574000	12.239741000	10.942881000	1	135.244293000	11.578734000	7.447980000
1	127.689703000	9.180678000	13.495495000	1	134.575126000	12.342740000	5.997200000
1	125.826737000	10.558263000	13.245921000	1	135.357932000	13.328555000	7.241348000
1	125.510401000	9.840430000	11.652424000	16	135.023185000	4.947634000	2.453853000
7	128.045306000	11.915923000	11.739871000	1	134.578489000	6.222791000	2.404447000
6	128.618080000	13.055631000	11.048223000	6	141.054134000	12.928967000	9.235445000
6	129.425301000	12.765859000	9.769994000	6	139.915305000	13.851747000	8.815340000
8	129.707277000	13.703508000	9.027232000	8	139.368882000	13.738587000	7.718724000
1	128.679953000	11.28540000	12.218623000	6	140.515287000	11.528957000	9.594762000
1	127.803923000	13.720973000	10.757390000	6	141.597335000	10.476929000	9.911585000
7	129.797577000	11.473096000	9.548672000	6	140.960402000	9.242202000	10.569649000
6	130.610369000	11.106052000	8.395108000	6	142.397589000	10.075390000	8.662971000
6	129.895748000	10.210026000	7.361359000	1	141.736740000	12.863610000	8.382558000
8	130.331516000	10.165058000	6.211530000	1	139.851627000	11.624492000	10.466656000
6	131.911561000	10.390594000	8.809511000	1	139.890240000	11.172133000	8.765777000
6	132.869775000	11.219746000	9.613150000	1	142.298732000	10.920995000	10.635835000
6	132.928843000	12.577416000	9.821546000	1	141.715643000	8.476131000	10.782822000
7	133.931748000	10.608396000	10.262846000	1	140.476506000	9.503864000	11.518877000
6	134.615031000	11.577680000	10.844657000	1	140.195618000	8.788822000	9.926863000
7	134.045226000	12.786401000	10.609750000	1	143.177645000	9.348449000	8.917743000
1	129.767926000	10.828112000	10.333747000	1	142.889055000	10.933070000	8.190124000
1	130.840948000	12.032298000	7.865656000	1	141.742002000	9.611724000	7.914611000
1	132.403738000	10.050163000	7.890095000	7	139.522387000	14.778606000	9.738698000
1	131.668620000	9.485057000	9.378852000	6	138.344784000	15.617474000	9.546306000
1	132.284786000	13.383159000	9.502092000	6	137.020303000	14.946681000	9.974410000
1	135.511270000	11.463587000	11.437320000	6	136.886069000	14.731108000	11.465023000
1	134.405612000	13.675038000	10.932587000	6	137.437993000	13.601442000	12.095199000
7	128.860067000	9.452139000	7.808189000	6	136.222886000	15.672901000	12.269687000
6	128.261199000	8.421500000	6.966330000	6	137.338959000	13.424093000	13.477519000
6	126.779763000	8.644816000	6.622138000	6	136.119856000	15.498819000	13.652178000
8	126.329884000	8.196685000	5.557278000	6	136.679245000	14.373729000	14.262439000
6	128.465456000	6.996584000	7.533475000	1	139.953534000	14.758701000	10.651830000
8	127.570480000	6.649646000	8.576024000	1	138.268712000	15.856598000	8.484806000
1	128.576394000	9.523324000	8.779132000	1	136.212629000	15.579453000	9.594168000
1	128.796333000	8.471105000	6.016530000	1	136.947749000	13.993952000	9.437935000
1	129.519156000	6.912774000	7.846234000	1	137.947345000	12.854099000	11.491082000
1	128.294998000	6.280815000	6.726124000	1	135.789485000	16.555469000	11.803674000
1	127.559438000	7.376315000	9.227878000	1	137.777438000	12.544155000	13.941829000
7	126.017111000	9.317102000	7.508228000	1	135.602382000	16.242730000	14.252431000
6	124.588706000	9.528402000	7.316977000	1	136.598961000	14.236387000	15.337215000
6	124.129015000	10.725858000	8.141718000	7	136.663631000	5.100975000	5.058922000
8	124.342394000	10.447551000	9.517879000	7	134.187957000	6.515807000	4.956017000
1	126.360143000	9.500579000	8.444520000	7	135.296776000	2.705193000	4.310088000
1	124.025155000	8.635579000	7.621305000	6	137.721431000	2.920315000	4.660810000
1	124.683235000	11.621294000	7.826961000	6	136.391438000	7.513848000	5.408921000
1	123.060482000	10.904312000	7.943171000	6	131.749399000	6.286902000	4.718187000
1	124.720095000	11.232865000	9.962328000	6	133.086642000	1.705063000	3.913013000
7	133.214012000	16.095384000	4.797533000	6	137.753305000	4.269108000	4.983631000
6	133.815047000	16.534892000	6.078722000	6	135.014202000	7.574875000	5.246499000
6	135.233431000	15.964836000	6.304290000	6	131.717364000	4.921900000	4.475293000
8	135.840796000	16.216623000	7.351126000	6	134.470582000	1.650931000	4.009669000
6	132.833063000	16.066162000	7.179029000	8	134.529561000	4.239287000	6.475453000
6	132.067256000	14.916541000	6.505628000	6	138.958893000	5.015546000	5.244158000
6	131.921665000	15.423344000	5.067099000	6	134.233254000	8.777778000	5.394290000
1	133.939076000	17.625008000	6.116131000	6	130.508561000	4.187138000	4.183194000

6	135.251612000	0.453729000	3.831297000	6	135.370864000	1.880634000	15.741732000
6	138.586339000	6.309384000	5.449794000	1	136.229965000	3.604136000	13.682921000
6	132.927081000	8.434919000	5.210858000	1	137.396187000	1.294307000	15.307120000
6	130.885443000	2.898453000	3.959167000	1	137.460332000	2.927926000	17.212010000
6	136.554892000	0.795259000	4.039448000	1	136.927379000	4.216376000	16.110423000
6	137.151573000	6.356666000	5.318054000	1	138.496448000	3.423725000	15.864837000
6	132.907046000	7.017692000	4.944676000	1	135.381915000	1.506159000	16.773321000
6	132.320818000	2.843350000	4.109851000	1	134.731383000	2.775105000	15.713507000
6	136.574196000	2.203093000	4.347717000	1	134.897056000	1.117893000	15.112400000
7	132.803455000	4.084137000	4.440078000	7	138.299157000	3.683081000	12.182673000
26	134.725227000	4.592617000	4.727009000	6	139.527118000	3.885789000	11.427936000
1	138.666459000	2.387067000	4.639028000	6	139.422825000	3.482997000	9.947253000
1	136.912613000	8.443506000	5.616146000	6	139.095029000	2.029365000	9.647793000
1	130.799253000	6.812406000	4.714827000	6	139.485540000	0.969892000	10.476253000
1	132.566505000	0.787462000	3.657260000	6	138.401249000	1.712177000	8.468388000
6	133.027918000	6.944981000	10.424105000	6	139.199902000	-0.354426000	10.136562000
7	134.148773000	7.680807000	10.166683000	6	138.109461000	0.396086000	8.116532000
8	131.886056000	7.384866000	10.470257000	6	138.516013000	-0.647967000	8.953875000
16	136.000214000	6.461118000	11.899376000	8	138.210268000	-1.928085000	8.571111000
6	133.369561000	5.470325000	10.677060000	1	137.498706000	4.257267000	11.944933000
7	134.291816000	4.974118000	9.738415000	1	140.304628000	3.319783000	11.944716000
8	136.236750000	5.375997000	8.563340000	1	140.380612000	3.753031000	9.475630000
16	134.150923000	5.624797000	12.478079000	1	138.666307000	4.114697000	9.464096000
6	132.168757000	4.506168000	10.742772000	1	139.985392000	1.163537000	11.419884000
8	137.789284000	7.378456000	9.664810000	1	138.079860000	2.513387000	7.806222000
6	132.744849000	3.156672000	10.399674000	1	139.507668000	-1.160002000	10.801967000
6	133.482046000	3.115003000	9.164007000	1	137.562140000	0.167191000	7.207227000
6	134.369553000	2.029878000	8.915826000	1	138.563932000	-2.542496000	9.233016000
6	134.475262000	0.997126000	9.832965000	6	134.547535000	5.923944000	18.067131000
6	133.692998000	1.013326000	11.001050000	6	133.424067000	5.879859000	17.041063000
6	132.849399000	2.103221000	11.288725000	8	133.169621000	6.811656000	16.279256000
6	135.355284000	5.692525000	9.379113000	6	134.962243000	7.347312000	18.441856000
6	135.420549000	7.046664000	10.139971000	1	134.253773000	5.351072000	18.956499000
6	136.513095000	7.962472000	9.567234000	1	134.141971000	7.887232000	18.926429000
1	133.158080000	3.680569000	8.294458000	1	135.809872000	7.324476000	19.133299000
1	134.912939000	2.014698000	7.978219000	1	135.254587000	7.910056000	17.551854000
1	131.680199000	4.529117000	11.720604000	7	132.683802000	4.720301000	17.016313000
1	131.435108000	4.846076000	10.001460000	6	131.839678000	4.402000000	15.868015000
1	135.145452000	0.166027000	9.636714000	6	130.642868000	5.334844000	15.664084000
1	133.766004000	0.192701000	11.709583000	8	130.114682000	5.424095000	14.555569000
1	132.315745000	2.138098000	12.235153000	1	133.029695000	3.939936000	17.560151000
1	136.232366000	8.181448000	8.526765000	1	132.411396000	4.433493000	14.934714000
1	136.530612000	8.901375000	10.127056000	7	130.216318000	6.026676000	16.749709000
1	134.087344000	8.719688000	10.205676000	6	129.162484000	7.023282000	16.657387000
1	135.301915000	4.573133000	6.980710000	6	129.449187000	8.210765000	15.721432000
1	137.735560000	6.576951000	9.105399000	8	128.507793000	8.912148000	15.344520000
8	128.299395000	6.791986000	4.128311000	1	130.747816000	5.934274000	17.604011000
1	127.531017000	7.223094000	4.571331000	1	128.241553000	6.568415000	16.281909000
1	128.468702000	7.347143000	3.352779000	7	130.730150000	8.395031000	15.325123000
1	135.943154000	1.519361000	13.505920000	6	131.056585000	9.382591000	14.303025000
1	139.370774000	4.333322000	11.057726000	6	130.350282000	9.118538000	12.965710000
1	135.395611000	5.599134000	17.696476000	8	130.279515000	10.046628000	12.142066000
1	129.021322000	7.884548000	17.951592000	6	132.573558000	9.507246000	14.094942000
1	129.273682000	13.608094000	11.731213000	6	133.324423000	10.175267000	15.256132000
1	124.403613000	9.690921000	6.251738000	16	132.704510000	11.825581000	15.772968000
1	133.104700000	16.870493000	4.151569000	6	132.886233000	12.770881000	14.217857000
1	137.639898000	15.207443000	4.499186000	1	131.467796000	7.775511000	15.653448000
1	141.617928000	13.344177000	10.081532000	1	130.668705000	10.354579000	14.627485000
1	139.954639000	4.590508000	5.249399000	1	133.009728000	8.513861000	13.926766000
1	134.647538000	9.752277000	5.618744000	1	132.729175000	10.072070000	13.170960000
1	129.525749000	4.641769000	4.143446000	1	134.384359000	10.260386000	14.991634000
1	134.840096000	-0.516235000	3.582537000	1	133.268291000	9.559173000	16.158923000
1	139.211875000	7.167605000	5.660326000	1	132.592102000	13.799116000	14.445375000
1	132.046169000	9.062445000	5.274310000	1	132.234036000	12.384369000	13.429398000
1	130.265227000	2.049268000	3.700734000	1	133.925552000	12.773200000	13.876719000
1	137.433925000	0.164811000	3.993530000	7	129.775729000	7.919014000	12.769405000
1	138.497336000	16.550598000	10.099336000	6	128.972883000	7.641679000	11.585217000
1	131.307057000	3.654989000	16.350833000	6	127.867539000	8.684356000	11.388845000
				8	127.461093000	8.937527000	10.239504000
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4IM2B:				1	129.914335000	7.167923000	13.441477000
6	136.776985000	2.657392000	13.790138000	1	129.612637000	7.708444000	10.702368000
6	138.178867000	2.771069000	13.186973000	1	127.856481000	5.999407000	10.727227000
8	139.110264000	2.063621000	13.572560000	1	127.663547000	6.144817000	12.497828000
6	136.791308000	2.207761000	15.260160000	1	129.165124000	5.496794000	11.811813000
6	137.458032000	3.254291000	16.164486000				

7	127.326960000	9.289778000	12.463061000	1	138.741267000	13.423988000	3.358244000
6	126.298976000	10.302917000	12.264577000	1	138.524627000	11.747963000	3.889731000
6	126.779500000	11.596705000	11.581242000	1	139.272553000	12.930195000	4.980083000
8	125.968698000	12.311536000	10.985591000	1	135.222007000	11.530148000	7.331494000
1	127.695957000	9.111989000	13.396736000	1	134.589445000	12.346430000	5.893052000
1	125.878900000	10.561077000	13.241139000	1	135.362894000	13.283584000	7.178832000
1	125.499871000	9.905089000	11.634597000	16	134.688824000	4.739653000	2.564623000
7	128.088207000	11.914772000	11.720783000	1	134.456012000	6.064565000	2.435131000
6	128.672986000	13.060553000	11.049571000	6	141.074398000	12.760965000	9.249560000
6	129.454055000	12.791001000	9.750428000	6	139.944665000	13.697889000	8.835701000
8	129.742380000	13.744794000	9.030789000	8	139.389426000	13.590055000	7.742811000
1	128.717890000	11.254845000	12.169381000	6	140.525707000	11.356753000	9.574624000
1	127.867964000	13.749660000	10.790241000	6	141.599949000	10.294001000	9.882136000
7	129.798827000	11.498925000	9.484775000	6	140.951202000	9.048714000	10.507978000
6	130.580249000	11.151438000	8.302936000	6	142.413041000	9.914546000	8.634907000
6	129.823156000	10.308981000	7.253497000	1	141.766091000	12.709042000	8.402873000
8	130.237534000	10.289051000	6.095184000	1	139.852824000	11.437768000	10.440957000
6	131.873685000	10.394549000	8.665320000	1	139.908397000	11.020364000	8.731505000
6	132.865949000	11.176892000	9.474534000	1	142.294604000	10.720137000	10.623386000
6	132.941829000	12.522045000	9.748663000	1	141.701697000	8.276356000	10.715515000
7	133.940759000	10.527361000	10.063682000	1	140.455775000	9.293232000	11.455755000
6	134.646501000	11.461957000	10.674977000	1	140.193538000	8.610579000	9.846368000
7	134.080378000	12.684254000	10.515857000	1	143.187604000	9.179734000	8.883801000
1	129.768528000	10.830655000	10.250102000	1	142.912976000	10.779735000	8.185247000
1	130.821525000	12.089922000	7.800390000	1	141.764561000	9.468726000	7.869675000
1	132.339122000	10.073863000	7.725237000	7	139.570785000	14.632246000	9.758635000
1	131.624687000	9.476019000	9.210899000	6	138.410319000	15.495054000	9.565234000
1	132.297198000	13.347411000	9.485510000	6	137.068008000	14.838615000	9.957909000
1	135.555784000	11.312132000	11.239082000	6	136.903319000	14.596623000	11.441392000
1	134.454879000	13.553006000	10.875092000	6	137.433879000	13.451262000	12.061713000
7	128.772516000	9.568676000	7.694521000	6	136.229951000	15.528105000	12.249708000
6	128.122409000	8.588805000	6.830362000	6	137.304159000	13.248662000	13.437910000
6	126.647493000	8.882460000	6.511443000	6	136.096447000	15.328851000	13.626208000
8	126.167253000	8.487376000	5.438911000	6	136.634593000	14.188206000	14.226600000
6	128.270861000	7.140874000	7.355002000	1	140.007457000	14.610122000	10.668959000
8	127.372592000	6.804543000	8.398530000	1	138.354236000	15.759328000	8.508309000
1	128.506803000	9.618182000	8.671874000	1	136.277897000	15.492515000	9.576589000
1	128.648869000	8.643766000	5.876149000	1	136.989512000	13.898104000	9.401099000
1	129.323078000	7.000444000	7.651072000	1	137.951366000	12.711965000	11.454625000
1	128.059150000	6.455920000	6.531170000	1	135.812627000	16.422369000	11.791425000
1	127.407729000	7.508482000	9.073743000	1	137.725941000	12.356666000	13.894573000
7	125.921976000	9.554233000	7.428451000	1	135.571597000	16.065151000	14.229406000
6	124.498112000	9.815256000	7.266589000	1	136.530316000	14.031153000	15.296602000
6	124.083441000	10.977576000	8.162314000	7	136.341114000	5.001480000	5.149864000
8	124.312280000	10.619942000	9.517401000	7	133.945762000	6.543689000	4.933971000
1	126.281465000	9.689998000	8.366601000	7	134.836114000	2.639003000	4.579336000
1	123.912879000	8.922827000	7.528163000	6	137.277407000	2.749063000	4.861387000
1	124.655916000	11.874440000	7.886448000	6	136.196790000	7.440972000	5.369888000
1	123.016960000	11.193678000	7.992098000	6	131.502902000	6.439823000	4.670472000
1	124.716176000	11.371820000	9.995450000	6	132.568797000	1.731935000	4.312314000
7	133.305280000	16.144826000	4.827158000	6	137.386053000	4.110968000	5.104570000
6	133.921069000	16.574884000	6.104566000	6	134.827631000	7.568895000	5.181247000
6	135.332072000	15.982929000	6.320668000	6	131.392438000	5.062654000	4.554283000
8	135.951567000	16.226441000	7.362257000	6	133.949837000	1.609466000	4.387493000
6	132.939209000	16.120686000	7.211055000	8	134.185442000	4.374682000	6.631680000
6	132.155131000	14.980191000	6.543220000	6	138.631101000	4.805968000	5.315342000
6	132.006833000	15.487874000	5.105226000	6	134.116497000	8.821875000	5.240276000
1	134.061956000	17.662925000	6.141188000	6	130.143834000	4.375276000	4.320181000
1	132.258689000	16.942323000	7.464248000	6	134.663202000	0.362313000	4.285514000
1	133.467683000	15.831919000	8.122822000	6	138.327261000	6.126055000	5.464876000
1	132.746393000	14.056549000	6.553249000	6	132.796824000	8.545101000	5.043716000
1	131.196643000	14.772628000	7.026977000	6	130.442891000	3.050139000	4.237264000
1	131.819809000	14.683653000	4.385115000	6	135.987674000	0.650397000	4.427086000
1	131.165643000	16.196554000	5.041478000	6	136.895896000	6.241504000	5.342227000
7	135.789935000	15.227040000	5.303479000	6	132.698194000	7.117414000	4.863364000
6	137.115905000	14.627900000	5.238944000	6	131.871378000	2.925243000	4.407787000
6	137.114132000	13.146205000	4.801729000	6	136.087447000	2.074675000	4.623565000
6	136.771865000	12.160281000	5.938905000	7	132.426546000	4.162688000	4.619521000
6	138.493725000	12.792787000	4.220365000	26	134.369790000	4.580200000	4.853404000
6	135.411257000	12.344009000	6.620753000	1	138.192709000	2.165943000	4.856588000
1	135.134615000	15.132993000	4.531086000	1	136.766298000	8.351637000	5.529175000
1	137.580844000	14.732273000	6.222344000	1	130.586390000	7.017522000	4.602235000
1	136.363758000	13.030743000	4.002061000	1	131.994300000	0.826403000	4.145460000
1	137.567693000	12.225679000	6.691345000	6	132.989558000	6.929045000	10.377466000
1	136.823988000	11.144091000	5.518893000	7	134.126397000	7.608052000	10.038756000

8	131.858114000	7.393380000	10.353401000	6	137.923797000	0.614227000	8.618756000
16	135.936816000	6.565495000	11.941894000	8	137.086367000	-0.440136000	8.347644000
6	133.294252000	5.507931000	10.853310000	1	139.149329000	5.141125000	11.424576000
7	134.236219000	4.845774000	9.988453000	1	141.599853000	3.511653000	11.087295000
8	136.152977000	5.083703000	8.743409000	1	141.374215000	3.954896000	8.644182000
16	134.051635000	5.848157000	12.595890000	1	139.961145000	4.946639000	8.911623000
6	132.092877000	4.553698000	10.955940000	1	140.231736000	1.736322000	10.842253000
8	137.766452000	7.187777000	9.614842000	1	138.683690000	3.642420000	7.3067181000
6	132.717056000	3.222169000	10.650248000	1	138.793733000	-0.207198000	10.416434000
6	133.851476000	3.430130000	9.678879000	1	137.228189000	1.692881000	6.887757000
6	134.920268000	2.379841000	9.770092000	1	137.197876000	-1.110203000	9.039894000
6	134.645983000	1.182587000	10.373175000	6	132.158924000	6.370545000	19.856283000
6	133.427508000	0.951234000	11.067528000	6	131.250717000	6.378774000	18.636317000
6	132.510389000	2.017419000	11.257718000	8	131.471179000	7.092091000	17.656247000
6	135.303560000	5.530570000	9.523532000	6	133.629287000	6.162427000	19.464342000
6	135.383745000	6.949852000	10.106546000	1	132.046869000	7.346646000	20.3467181000
6	136.497139000	7.776598000	9.448926000	1	133.935380000	6.912267000	18.730462000
1	133.492831000	3.458460000	8.629995000	1	134.272517000	6.251603000	20.344703000
1	135.850726000	2.544453000	9.241227000	1	133.788230000	5.171685000	19.025620000
1	131.594302000	4.601246000	11.928631000	7	130.139914000	5.576708000	18.689820000
1	131.365092000	4.871538000	10.195395000	6	129.346215000	5.319814000	17.492038000
1	135.390195000	0.391498000	10.329526000	6	128.652986000	6.548809000	16.897147000
1	133.238618000	-0.014012000	11.526495000	8	128.345517000	6.568021000	15.707342000
1	131.672677000	1.891238000	11.940635000	1	130.072101000	4.912292000	19.448842000
1	136.228072000	7.892783000	8.389115000	1	129.963901000	4.908087000	16.687452000
1	136.527651000	8.767669000	9.908198000	7	128.400515000	7.582274000	17.739368000
1	134.085745000	8.650024000	9.999163000	6	127.832037000	8.824318000	17.243352000
1	135.061947000	4.513755000	7.042603000	6	128.655608000	9.529927000	16.153960000
1	137.725330000	6.353585000	9.108827000	8	128.095834000	10.338692000	15.409532000
8	128.056540000	7.025574000	3.966423000	1	128.724098000	7.516984000	18.693968000
1	127.313207000	7.488848000	4.419585000	1	126.845875000	8.647809000	16.805406000
1	128.232532000	7.565402000	3.181762000	7	129.969441000	9.219330000	16.060072000
1	136.229173000	1.922063000	13.183631000	6	130.786623000	9.793955000	14.996012000
1	139.804175000	4.946721000	11.477174000	6	130.267053000	9.449619000	13.592051000
1	135.400740000	5.385867000	17.629323000	8	130.570886000	10.188463000	12.642281000
1	128.956159000	7.405678000	17.660864000	6	132.260196000	9.376720000	15.124134000
1	129.350361000	13.582109000	11.735729000	6	132.974120000	9.899035000	16.381216000
1	124.304746000	10.042279000	6.214593000	16	132.941188000	11.714672000	16.644854000
1	133.200257000	16.922425000	4.183493000	6	133.996165000	12.286888000	15.266298000
1	137.726571000	15.205468000	4.529145000	1	130.373578000	8.496120000	16.651074000
1	141.631632000	13.156469000	10.109273000	1	130.723383000	10.884728000	15.060331000
1	139.604057000	4.331314000	5.329629000	1	132.332489000	8.280709000	15.123858000
1	134.583066000	9.782089000	5.419315000	1	132.772522000	9.724571000	14.221270000
1	129.191703000	4.882085000	4.216028000	1	134.018228000	9.565581000	16.363489000
1	134.195348000	-0.601243000	4.128668000	1	132.524673000	9.472293000	17.282484000
1	138.999111000	6.959739000	5.625638000	1	134.090909000	13.370956000	15.368967000
1	131.951727000	9.222415000	5.058087000	1	133.552181000	12.065657000	14.291969000
1	129.774323000	2.217394000	4.058315000	1	134.996234000	11.845986000	15.327360000
1	136.831744000	-0.027509000	4.408130000	7	129.482398000	8.363779000	13.448653000
1	138.570692000	16.412939000	10.140766000	6	128.907223000	8.025379000	12.150819000
1	131.461911000	3.382942000	15.996174000	6	128.028245000	9.155646000	11.598683000
				8	127.851762000	9.248910000	10.369377000
				6	128.128184000	6.705822000	12.231443000
4TS3:				1	129.227147000	7.797302000	14.254175000
6	138.617425000	4.088773000	13.693675000	1	129.720880000	7.905161000	11.431291000
6	139.847063000	3.812139000	12.829247000	1	127.766218000	6.432895000	11.236757000
8	140.691301000	2.977524000	13.158936000	1	127.281125000	6.778941000	12.921237000
6	138.934396000	4.070209000	15.199626000	1	128.794821000	5.912418000	12.582728000
6	139.867749000	5.224710000	15.592277000	7	127.452909000	10.023694000	12.451480000
6	137.642603000	4.094158000	16.027737000	6	126.691345000	11.149382000	11.929666000
1	138.148485000	5.040685000	13.411597000	6	127.535201000	12.237248000	11.241845000
1	139.462813000	3.129365000	15.396062000	8	127.011791000	12.999737000	10.424406000
1	140.104704000	5.192023000	16.662672000	1	127.655354000	9.983279000	13.449494000
1	139.402130000	6.198130000	15.384162000	1	126.145744000	11.607962000	12.759718000
1	140.811640000	5.172784000	15.039790000	1	125.969380000	10.801862000	11.187315000
1	137.863092000	4.049140000	17.101496000	7	128.832396000	12.332358000	11.618348000
1	137.070367000	5.013582000	15.843728000	6	129.750073000	13.252855000	10.975149000
1	136.993256000	3.245042000	15.781745000	6	130.613208000	12.684806000	9.835269000
7	139.925715000	4.537280000	11.678294000	8	131.194015000	13.464018000	9.084299000
6	140.989829000	4.333751000	10.706759000	1	129.222744000	11.640055000	12.250660000
6	140.484113000	4.054519000	9.284314000	1	129.172479000	14.073830000	10.548070000
6	139.582403000	2.845142000	9.099687000	7	130.696064000	11.325777000	9.737064000
6	139.595489000	1.741624000	9.961795000	6	131.543804000	10.699954000	8.729105000
6	138.716568000	2.801289000	7.995379000	6	130.786460000	9.891112000	7.656020000
6	138.774463000	0.635752000	9.726789000	8	131.353446000	9.634082000	6.593172000
6	137.897527000	1.703616000	7.742483000				

6	132.582477000	9.748540000	9.355711000	1	139.010036000	10.301792000	8.906394000
6	133.539135000	10.387211000	10.317605000	1	141.795903000	10.146881000	10.172053000
6	133.900379000	11.703375000	10.475698000	1	141.267349000	7.764064000	10.691994000
7	134.249787000	9.601871000	11.212520000	1	140.164311000	8.858159000	11.538804000
6	135.025314000	10.430510000	11.888948000	1	139.612728000	7.982651000	10.101001000
7	134.843866000	11.713458000	11.484112000	1	142.242066000	8.400011000	8.441488000
1	130.441008000	10.778121000	10.554140000	1	141.848582000	9.941018000	7.673350000
1	132.042861000	11.510425000	8.194175000	1	140.630666000	8.657660000	7.751928000
1	133.134560000	9.287014000	8.527557000	7	139.097254000	14.129645000	9.428390000
1	132.059567000	8.933303000	9.869814000	6	137.992299000	15.085516000	9.415465000
1	133.568496000	12.605973000	9.984558000	6	136.752057000	14.627398000	10.214541000
1	135.725742000	10.155693000	12.665483000	6	136.955879000	14.572067000	11.712278000
1	135.353460000	12.521133000	11.824465000	6	137.607252000	13.487036000	12.328020000
7	129.551936000	9.429652000	7.982558000	6	136.515771000	15.622875000	12.534256000
6	128.857647000	8.469306000	7.130156000	6	137.816765000	13.458532000	13.710597000
6	127.502932000	8.948878000	6.586055000	6	136.722910000	15.598554000	13.914291000
8	127.102888000	8.525635000	5.491894000	6	137.375866000	14.515644000	14.509120000
6	128.701821000	7.079823000	7.795952000	1	139.853985000	14.272399000	10.080748000
8	127.626227000	6.983153000	8.711684000	1	137.672071000	15.250808000	8.385452000
1	129.178046000	9.634795000	8.902569000	1	135.944699000	15.320103000	9.958136000
1	129.497736000	8.335394000	6.256646000	1	136.464817000	13.645986000	9.820065000
1	129.666863000	6.830739000	8.267006000	1	137.956807000	12.660167000	11.714167000
1	128.505831000	6.348840000	7.007848000	1	136.005607000	16.469156000	12.079976000
1	127.700664000	7.719336000	9.348539000	1	138.330061000	12.612466000	14.161425000
7	126.787524000	9.813093000	7.335291000	1	136.373369000	16.426020000	14.526472000
6	125.466003000	10.282987000	6.943135000	1	137.539864000	14.496856000	15.583178000
6	125.180637000	11.637463000	7.581981000	7	136.960354000	3.930516000	4.269172000
8	125.161836000	11.493927000	8.995250000	7	134.735101000	5.598389000	4.875416000
1	127.049945000	9.995407000	8.297266000	7	135.191614000	1.754219000	3.690380000
1	124.695762000	9.563220000	7.253255000	6	137.641413000	1.646678000	3.653159000
1	125.946836000	12.359390000	7.266894000	6	137.086809000	6.289330000	4.955510000
1	124.206152000	12.001446000	7.220728000	6	132.279703000	5.719510000	4.885918000
1	125.685465000	12.209944000	9.408605000	6	132.837351000	1.135111000	3.404490000
7	132.804520000	16.732639000	5.227611000	6	137.902277000	2.970687000	3.983026000
6	133.414450000	16.851578000	6.571186000	6	135.727576000	6.518146000	5.108501000
6	134.702106000	16.019507000	6.717011000	6	132.023599000	4.436176000	4.416778000
8	135.414721000	16.148950000	7.719076000	6	134.198230000	0.860755000	3.394517000
6	132.304664000	16.393683000	7.562602000	8	134.961876000	3.098457000	6.087427000
6	131.245351000	15.729239000	6.667250000	6	139.221604000	3.535756000	4.089985000
6	131.351041000	16.534313000	5.370655000	6	135.146685000	7.774512000	5.518042000
1	133.716093000	17.881729000	6.804636000	6	130.698609000	3.914089000	4.185385000
1	131.879579000	17.271826000	8.062515000	6	134.773192000	-0.416970000	3.043540000
1	132.683541000	15.724764000	8.337658000	6	139.066713000	4.844241000	4.444024000
1	131.500196000	14.680315000	6.488162000	6	133.794034000	7.610833000	5.513274000
1	130.244609000	15.754735000	7.106887000	6	130.857951000	2.626465000	3.767054000
1	130.949895000	16.006396000	4.497885000	6	136.124433000	-0.275583000	3.124930000
1	130.802225000	17.487382000	5.468845000	6	137.651591000	5.082151000	4.561765000
7	134.954509000	15.175822000	5.697120000	6	133.546095000	6.251002000	5.093537000
6	136.149066000	14.345404000	5.611501000	6	132.274586000	2.358899000	3.741010000
6	135.991257000	13.115366000	4.697801000	6	136.377372000	1.090287000	3.519792000
6	135.104264000	11.997070000	5.287821000	7	132.968077000	3.481435000	4.123402000
6	137.393292000	12.561491000	4.387616000	26	134.963870000	3.691181000	4.235777000
6	133.608375000	12.308620000	5.427527000	1	138.494896000	1.001753000	3.469599000
1	134.291347000	15.230413000	4.929099000	1	137.761310000	7.114444000	5.161599000
1	136.424216000	14.026019000	6.620591000	1	131.419939000	6.356367000	5.070648000
1	135.538002000	13.446504000	3.748087000	1	132.160652000	0.331608000	3.130821000
1	135.517269000	11.710431000	6.265985000	6	132.629371000	6.162587000	10.573569000
1	135.211431000	11.115273000	4.640587000	7	133.866457000	6.721818000	10.711830000
1	138.016755000	13.309950000	3.883260000	8	131.564912000	6.759942000	10.684876000
1	137.331304000	11.682575000	3.735794000	16	135.224582000	4.630077000	11.996376000
1	137.901419000	12.268573000	5.314272000	6	132.715267000	4.659747000	10.285303000
1	133.048790000	11.414095000	5.722450000	7	133.712065000	4.379795000	9.277493000
1	133.187390000	12.656043000	4.474367000	8	135.822951000	4.863042000	8.509264000
1	133.421000000	13.085966000	6.174427000	16	133.216042000	3.933530000	11.984060000
16	135.068418000	4.396226000	1.936208000	6	131.428722000	3.992394000	9.764213000
1	133.737025000	4.481240000	1.719199000	8	137.477647000	5.957452000	10.425926000
6	140.271775000	12.046851000	8.874385000	6	131.960429000	2.909267000	8.866239000
6	139.079498000	12.981621000	8.692143000	6	133.281256000	3.362350000	8.292286000
8	138.148540000	12.693083000	7.940509000	6	134.246508000	2.244548000	7.989909000
6	139.829282000	10.714728000	9.508484000	6	133.703677000	0.978551000	7.733935000
6	140.947556000	9.664592000	9.661119000	6	132.356297000	0.711944000	7.943241000
6	140.470270000	8.502933000	10.546935000	6	131.504881000	1.661554000	8.615495000
6	141.446117000	9.141544000	8.305186000	6	134.909315000	5.003501000	9.328209000
1	140.688181000	11.867583000	7.877244000	6	135.032808000	5.907234000	10.564079000
1	139.408282000	10.925323000	10.502997000	6	136.313228000	6.755092000	10.499329000

1	133.098156000	3.885840000	7.338091000	1	133.800803000	7.122619000	20.640525000
1	135.297377000	2.356767000	8.212845000	1	133.595304000	7.622187000	18.949908000
1	130.787045000	3.622357000	10.568396000	7	130.311359000	5.177512000	18.409785000
1	130.857827000	4.758799000	9.221179000	6	129.515534000	4.927040000	17.211995000
1	134.377280000	0.181904000	7.433358000	6	128.698204000	6.121795000	16.713331000
1	131.967075000	-0.281064000	7.738300000	8	128.334310000	6.171964000	15.540080000
1	130.538179000	1.334682000	8.990801000	1	130.318507000	4.458540000	19.121467000
1	136.219763000	7.417641000	9.627888000	1	130.147119000	4.626447000	16.369596000
1	136.390029000	7.373718000	11.395867000	7	128.408307000	7.089471000	17.618298000
1	133.962029000	7.709681000	11.018218000	6	127.730643000	8.309713000	17.214840000
1	135.440012000	3.797760000	6.576538000	6	128.450235000	9.126077000	16.128909000
1	137.361315000	5.403005000	9.625751000	8	127.800834000	9.925788000	15.450618000
8	128.936902000	6.719537000	4.388519000	1	128.786823000	7.002980000	18.550849000
1	128.208398000	7.307925000	4.697064000	1	126.739552000	8.084446000	16.811759000
1	129.332962000	7.196575000	3.644152000	7	129.776739000	8.914537000	15.961220000
1	137.885352000	3.301934000	13.464491000	6	130.498385000	9.594434000	16.897660000
1	141.636781000	5.221943000	10.672555000	6	129.934206000	9.282986000	13.497682000
1	131.837401000	5.612209000	20.580202000	8	130.147076000	10.086464000	12.575175000
1	127.704907000	9.509472000	18.086481000	6	132.002232000	9.280540000	14.925836000
1	130.429080000	13.673178000	11.725458000	6	132.746749000	9.816576000	16.158806000
1	125.438128000	10.349845000	5.852436000	16	132.552302000	11.605998000	16.516569000
1	133.027694000	17.530353000	4.639728000	6	133.333283000	12.352528000	15.041956000
1	136.984927000	14.958725000	5.240059000	1	130.260740000	8.205490000	16.507614000
1	141.061683000	12.511797000	9.479503000	1	130.362411000	10.673491000	15.013732000
1	140.139676000	2.989106000	3.915828000	1	132.152675000	8.193777000	14.882573000
1	135.714446000	8.664774000	5.759066000	1	132.438429000	9.690717000	14.009348000
1	129.792591000	4.493679000	4.317121000	1	133.813970000	9.588786000	16.056205000
1	134.201250000	-1.294211000	2.768239000	1	132.401835000	9.311400000	17.065672000
1	139.831839000	5.590939000	4.615690000	1	133.303184000	13.435305000	15.189795000
1	133.019768000	8.330127000	5.753196000	1	132.790032000	12.109339000	14.124704000
1	130.094220000	1.906832000	3.499194000	1	134.379361000	12.045919000	14.946841000
1	136.893971000	-1.011722000	2.929572000	7	129.208510000	8.161006000	13.336435000
1	138.371605000	16.034366000	9.808001000	6	128.600681000	7.840062000	12.050672000
1	128.580999000	4.578711000	17.742545000	6	127.643289000	8.941282000	11.576782000
				8	127.421207000	9.076599000	10.359014000
				6	127.894562000	6.479107000	12.114061000
4PrB:				1	129.041944000	7.534533000	14.120559000
6	139.320680000	4.978604000	13.206390000	1	129.391148000	7.790230000	11.297903000
6	140.090607000	4.367282000	12.033131000	1	127.510453000	6.217568000	11.124663000
8	141.049153000	3.613523000	12.211951000	1	127.071628000	6.485488000	12.836050000
6	140.208119000	5.255947000	14.431352000	1	128.614872000	5.713152000	12.417125000
6	141.243527000	6.352055000	14.141784000	7	127.049707000	9.736117000	12.486596000
6	139.351443000	5.610321000	15.654596000	6	126.200409000	10.831868000	12.041978000
1	138.801826000	5.894799000	12.891413000	6	126.944827000	11.991406000	11.356679000
1	140.753277000	4.327280000	14.639226000	8	126.337605000	12.746927000	10.592738000
1	141.886150000	6.525703000	15.013437000	1	127.290708000	9.662474000	13.474225000
1	140.753591000	7.304286000	13.894885000	1	125.668360000	11.227588000	12.912153000
1	141.887291000	6.070363000	13.302511000	1	125.465813000	10.466791000	11.320629000
1	139.978175000	5.772560000	16.539932000	7	128.251188000	12.151539000	11.675315000
1	138.775843000	6.530418000	15.483758000	6	129.083098000	13.144289000	11.022192000
1	138.637617000	4.811227000	15.890137000	6	129.975558000	12.650379000	9.869833000
7	139.612781000	4.692547000	10.801414000	8	130.478106000	13.476897000	9.113139000
6	140.175198000	4.173212000	9.562315000	1	128.707435000	11.468507000	12.272730000
6	139.195157000	3.339254000	8.722358000	1	128.433077000	13.914917000	10.605620000
6	138.712997000	2.019673000	9.303282000	7	130.173202000	11.303451000	9.770812000
6	139.346197000	1.365331000	10.365645000	6	131.060585000	10.744284000	8.758236000
6	137.597610000	1.393884000	8.719252000	6	130.360162000	9.884873000	7.683995000
6	138.884608000	0.128922000	10.827311000	8	130.968030000	9.622047000	6.647095000
6	137.132592000	0.160753000	9.167338000	6	132.174564000	9.884499000	9.386163000
6	137.780471000	-0.479567000	10.229241000	6	133.135932000	10.626112000	10.267287000
8	137.286246000	-1.691694000	10.640990000	6	133.392034000	11.971658000	10.379416000
1	138.826454000	5.331119000	10.729845000	7	133.982594000	9.923724000	11.113022000
1	141.059043000	3.594653000	9.838896000	6	134.734627000	10.829172000	11.713097000
1	139.683936000	3.153248000	7.754077000	7	134.409410000	12.082303000	11.307559000
1	138.318667000	3.955946000	8.477771000	1	129.971935000	10.733276000	10.588046000
1	140.197101000	1.815786000	10.868082000	1	131.493021000	11.588908000	8.217008000
1	137.078823000	1.878796000	7.894254000	1	132.719616000	9.410865000	8.560672000
1	139.390297000	-0.357721000	11.660612000	1	131.721710000	9.071214000	9.966479000
1	136.272920000	-0.317259000	8.707147000	1	132.942319000	12.831639000	9.905945000
1	137.842035000	-2.018880000	11.365259000	1	135.516773000	10.636315000	12.433489000
6	132.348336000	5.946791000	19.542876000	1	134.878306000	12.931662000	11.597578000
6	131.372446000	6.049794000	18.378860000	7	129.120897000	9.410650000	7.975251000
8	131.504432000	6.856142000	17.458672000	6	128.459995000	8.455180000	7.091097000
6	133.070194000	7.262985000	19.838360000	6	127.079089000	8.895686000	6.580042000
1	131.825427000	5.575858000	20.433858000	8	126.704483000	8.528643000	5.456765000
1	132.366769000	8.041455000	20.152227000				

6	128.380411000	7.030233000	7.689316000	1	140.091559000	14.024171000	10.762728000
8	127.351670000	6.847398000	8.644039000	1	138.265136000	15.279964000	8.803606000
1	128.713068000	9.626505000	8.877572000	1	136.319851000	15.092338000	10.114666000
1	129.095782000	8.388733000	6.206692000	1	136.934837000	13.473362000	9.829324000
1	129.375424000	6.791997000	8.101554000	1	138.081149000	12.205985000	11.733968000
1	128.177878000	6.331691000	6.873389000	1	136.166943000	15.995852000	12.383415000
1	127.394745000	7.580754000	9.287335000	1	138.165545000	11.825572000	14.180268000
7	126.312258000	9.662064000	7.383585000	1	136.226552000	15.611152000	14.828226000
6	124.968622000	10.083710000	7.009360000	1	137.233171000	13.525933000	15.741904000
6	124.609359000	11.384858000	7.717285000	7	136.740896000	4.147347000	4.431257000
8	124.592245000	11.163742000	9.120337000	7	134.510383000	5.828252000	4.906739000
1	126.554063000	9.789763000	8.360068000	7	134.996972000	2.056498000	3.624523000
1	124.236502000	9.308757000	7.275532000	6	137.439955000	1.881596000	3.781924000
1	125.338411000	12.161576000	7.447323000	6	136.857804000	6.469742000	5.226157000
1	123.619067000	11.716410000	7.367483000	6	132.063278000	6.004413000	4.768585000
1	125.055244000	11.897328000	9.573144000	6	132.659264000	1.467149000	3.172549000
7	133.414117000	16.474641000	5.251846000	6	137.693569000	3.180879000	4.196807000
6	133.948679000	16.527908000	6.632748000	6	135.495113000	6.717227000	5.271386000
6	135.299472000	15.795813000	6.781812000	6	131.825444000	4.741648000	4.242840000
8	135.883804000	15.796226000	7.871604000	6	134.014052000	1.176767000	3.240478000
6	132.853407000	15.881782000	7.520070000	8	134.936951000	2.990562000	6.861970000
6	132.027139000	15.051361000	6.526612000	6	139.007445000	3.704453000	4.458494000
6	132.035934000	15.939187000	5.279462000	6	134.909899000	7.960853000	5.706263000
1	134.144333000	17.557626000	6.959112000	6	130.512838000	4.244114000	3.920285000
1	132.225649000	16.664028000	7.962772000	6	134.589445000	-0.101826000	2.904880000
1	133.283001000	15.300381000	8.338902000	6	138.845291000	4.999862000	4.854220000
1	132.530194000	14.101608000	6.311747000	6	133.558434000	7.828682000	5.593097000
1	131.025136000	14.823130000	6.895700000	6	130.683113000	2.968004000	3.471311000
1	131.820190000	15.388867000	4.356583000	6	135.934288000	0.014265000	3.083187000
1	131.281186000	16.737107000	5.378090000	6	137.431753000	5.266208000	4.840052000
7	135.739988000	15.187474000	5.663726000	6	133.321140000	6.501198000	5.079720000
6	137.007969000	14.481873000	5.538381000	6	132.093537000	2.685156000	3.518698000
6	136.887308000	13.071525000	4.918326000	6	136.180344000	1.364357000	3.524069000
6	136.441412000	11.984397000	5.919036000	7	132.784634000	3.784814000	3.981577000
6	138.242504000	12.676156000	4.307081000	26	134.773694000	4.023452000	4.031521000
6	135.086321000	12.195503000	6.604542000	1	138.291859000	1.222641000	3.646964000
1	135.123809000	15.302245000	4.862492000	1	137.525278000	7.271182000	5.527376000
1	137.457125000	14.419943000	6.532178000	1	131.202134000	6.645425000	4.930998000
1	136.144438000	13.121559000	4.105381000	1	131.991338000	0.681097000	2.834226000
1	137.223898000	11.888892000	6.683155000	6	132.603860000	6.381176000	10.755934000
1	136.415085000	11.029124000	5.374665000	7	133.802132000	7.028267000	10.713086000
1	138.553426000	13.382294000	3.527405000	8	131.526762000	6.900059000	11.023138000
1	138.193959000	11.678666000	3.855255000	16	135.479954000	5.063237000	11.800875000
1	139.018353000	12.660452000	5.082068000	6	132.758476000	4.887566000	10.447725000
1	134.817646000	11.315708000	7.202833000	7	133.605634000	4.680664000	9.285645000
1	134.283460000	12.350674000	5.873316000	8	135.612839000	5.239410000	8.309297000
1	135.104355000	13.056862000	7.279150000	16	133.556792000	4.183741000	12.030185000
16	135.058202000	4.821999000	1.746411000	6	131.457664000	4.137855000	10.132660000
1	133.760747000	4.672767000	1.395184000	8	137.377422000	6.565748000	9.880916000
6	140.936408000	12.175284000	9.202593000	6	131.880565000	3.135148000	9.095115000
6	139.819308000	13.173542000	8.919232000	6	133.070638000	3.680337000	8.322301000
8	139.162438000	13.121569000	7.880733000	6	134.046800000	2.572759000	7.882016000
6	140.347397000	10.788484000	9.530763000	6	133.261203000	1.392057000	7.346557000
6	141.385829000	9.666394000	9.729865000	6	132.038670000	1.084675000	7.804130000
6	140.713713000	8.430238000	10.348029000	6	131.396787000	1.915978000	8.831207000
6	142.100983000	9.299857000	8.420324000	6	134.771255000	5.356486000	9.211770000
1	141.548898000	12.120281000	8.297227000	6	134.990356000	6.295240000	10.406382000
1	139.743404000	10.874371000	10.446302000	6	136.174497000	7.248543000	10.162861000
1	139.654722000	10.507333000	8.727036000	1	132.738941000	4.217105000	7.419194000
1	142.144445000	10.027859000	10.441863000	1	134.615310000	2.238279000	8.770303000
1	141.429039000	7.610241000	10.478848000	1	131.003473000	3.686601000	11.019031000
1	140.291206000	8.660700000	11.334116000	1	130.741170000	4.872714000	9.740058000
1	139.893732000	8.061598000	9.718671000	1	133.772312000	0.786230000	6.604739000
1	142.840093000	8.507925000	8.588226000	1	131.515056000	0.203460000	7.444348000
1	142.628305000	10.154416000	7.981785000	1	130.537420000	1.526029000	9.371547000
1	141.382729000	8.934002000	7.675063000	1	135.886599000	7.913351000	9.336551000
7	139.573577000	14.093948000	9.898569000	1	136.336570000	7.859265000	11.053716000
6	138.435386000	15.004481000	9.844954000	1	133.863739000	8.029576000	10.989245000
6	137.120888000	14.398337000	10.387001000	1	135.374359000	3.809655000	7.173311000
6	137.128679000	14.135244000	11.876597000	1	137.180992000	6.043735000	9.074847000
6	137.682796000	12.957759000	12.411156000	8	128.650882000	6.942992000	4.217925000
6	136.603019000	15.079355000	12.775048000	1	127.883160000	7.450767000	4.570832000
6	137.723171000	12.739349000	13.790724000	1	129.018761000	7.513206000	3.526483000
6	136.637706000	14.863478000	14.154831000	1	138.536312000	4.257567000	13.478673000
6	137.200910000	13.693169000	14.668702000	1	140.518987000	5.016344000	8.947803000

1	133.080517000	5.171655000	19.273726000	8	131.809088000	9.941296000	13.392229000
1	127.595744000	8.940633000	18.098118000	6	133.099867000	9.278980000	16.132024000
1	129.735991000	13.620219000	11.762879000	6	133.439944000	9.831565000	17.524315000
1	124.941698000	10.207326000	5.923777000	16	132.992740000	11.584286000	17.831970000
1	133.462022000	17.379083000	4.793581000	6	134.123545000	12.436011000	16.674762000
1	137.681344000	15.086775000	4.913324000	1	131.185168000	7.905246000	17.189156000
1	141.584473000	12.514484000	10.021879000	1	131.320869000	10.453218000	15.823899000
1	139.926563000	5.719343000	5.134347000	1	133.404596000	8.224400000	16.101708000
1	135.476275000	8.822417000	6.038364000	1	133.686958000	9.795966000	15.366545000
1	129.605668000	4.828246000	4.023231000	1	134.513415000	9.705606000	17.705956000
1	134.023678000	-0.964077000	2.575024000	1	132.920829000	9.262708000	18.301276000
1	139.604406000	5.719343000	5.134347000	1	133.998695000	13.507878000	16.850357000
1	132.780421000	8.547881000	5.820675000	1	133.879174000	12.221794000	15.630394000
1	129.928837000	2.266134000	3.137692000	1	135.165219000	12.165827000	16.875738000
1	136.702983000	-0.732756000	2.930661000	7	130.925302000	7.905435000	13.877163000
1	138.697619000	15.909799000	10.403129000	6	130.636780000	7.597447000	12.480859000
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*TS4_B:				8	129.818602000	8.838493000	10.593165000
6	134.656553000	1.025313000	14.050242000	6	129.976431000	6.217590000	12.364120000
6	135.874478000	0.283616000	13.492504000	1	130.625013000	7.242906000	14.588175000
8	136.254456000	-0.777909000	13.991193000	1	131.563127000	7.601545000	11.899557000
6	134.606954000	1.002079000	15.588856000	1	129.776619000	5.996555000	11.312503000
6	135.773011000	1.790496000	16.202111000	1	129.035017000	6.177670000	12.921653000
6	133.256309000	1.526039000	16.097096000	1	130.642478000	5.447628000	12.764417000
1	134.628666000	2.060025000	13.683941000	7	128.888068000	9.350776000	12.594675000
1	134.712463000	-0.047935000	15.887256000	6	128.044257000	10.383832000	12.017453000
1	135.744688000	1.744673000	17.297777000	6	128.780782000	11.613568000	11.467248000
1	135.732472000	2.849286000	15.910887000	8	128.173917000	12.399385000	10.733060000
1	136.736558000	1.384044000	15.878303000	1	128.903739000	9.245374000	13.608995000
1	133.203841000	1.473343000	17.192005000	1	127.338973000	10.717243000	12.783674000
1	133.106764000	2.575538000	15.805095000	1	127.465578000	9.983673000	11.179391000
1	132.419160000	0.944252000	15.692331000	7	130.075558000	11.786504000	11.820500000
7	136.465380000	0.862229000	12.414092000	6	130.880489000	12.837253000	11.282770000
6	137.681454000	0.344677000	11.798434000	6	131.690771000	12.453632000	9.977753000
6	137.529048000	0.005040000	10.309757000	8	132.316712000	13.328989000	9.383300000
6	136.606513000	-1.146560000	9.942638000	1	130.536186000	11.125393000	12.444506000
6	136.130449000	-2.081678000	9.869559000	1	130.227716000	13.664308000	10.942242000
6	136.240732000	-1.318346000	8.596737000	7	131.681382000	11.139523000	9.620574000
6	135.326320000	-3.152006000	10.466191000	6	132.482981000	10.625879000	8.517720000
6	135.446249000	-2.383019000	8.180740000	6	131.672164000	9.976312000	7.380066000
6	134.985440000	-0.210668000	9.928673000	8	132.229363000	9.776986000	6.297215000
8	134.205611000	-4.342463000	8.667286000	6	133.545588000	9.607617000	8.993604000
1	136.136561000	1.768085000	12.091316000	6	134.564159000	10.189579000	9.930100000
1	137.986866000	-0.525594000	12.382699000	6	134.897066000	11.503457000	10.156909000
1	138.538964000	-2.010668000	9.928673000	7	135.356353000	9.374695000	10.722643000
1	137.209233000	0.910912000	9.776740000	6	136.143359000	10.184650000	11.412492000
1	136.365922000	-1.983915000	11.925256000	7	135.899664000	11.480885000	11.102565000
1	136.587457000	-0.600847000	7.855285000	1	131.234186000	10.471784000	10.240972000
1	134.965884000	-3.863861000	11.207640000	1	132.975385000	11.491077000	8.068268000
1	135.175412000	-2.510887000	7.136919000	1	134.037692000	9.203277000	8.101005000
1	133.974821000	-4.911292000	9.418202000	1	133.049843000	8.757474000	9.480271000
6	132.801688000	5.868418000	20.528541000	1	134.497169000	12.426558000	9.767924000
6	132.109055000	5.827294000	19.176637000	1	136.885844000	9.879322000	12.137022000
8	132.340059000	6.657630000	18.296038000	1	136.354254000	12.299928000	11.489999000
6	134.321433000	5.683359000	20.379514000	7	130.400072000	9.608275000	7.664276000
1	132.596458000	6.853313000	20.964459000	6	129.537440000	8.862140000	6.745918000
1	134.729393000	6.433964000	19.697388000	6	128.356381000	9.764180000	6.322249000
1	134.812289000	5.791627000	21.351252000	8	128.453719000	10.503855000	5.335291000
1	134.566939000	4.692118000	19.983450000	6	129.152958000	7.497732000	7.345393000
7	131.192784000	4.825751000	18.982051000	8	128.402099000	7.580417000	8.552634000
6	130.684826000	4.525481000	17.646802000	1	130.022701000	9.850088000	8.572249000
6	129.882219000	5.651758000	16.989728000	1	130.120922000	8.685281000	5.841257000
8	129.798742000	5.716522000	15.764632000	1	130.073782000	6.917253000	7.496063000
1	131.132864000	4.097256000	19.680620000	1	128.527365000	6.957238000	6.627994000
1	131.500297000	4.293467000	16.954464000	1	128.986805000	7.900869000	9.268511000
7	129.276630000	6.540234000	17.817106000	7	127.267219000	9.712507000	7.117557000
6	128.567360000	7.692008000	17.285946000	6	126.132006000	10.611466000	6.972022000
6	129.414091000	8.643227000	16.424674000	6	126.169162000	11.741404000	7.999094000
8	128.844875000	9.400902000	15.635048000	8	126.103031000	11.191677000	9.305681000
1	129.430719000	6.454055000	18.811704000	1	127.304401000	9.089367000	7.920837000
1	127.738020000	7.371367000	16.649648000	1	125.209565000	10.033250000	7.099109000
7	130.758261000	8.592622000	16.571516000	1	127.091808000	12.321660000	7.859053000
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6	131.463948000	9.095864000	14.226704000	1	126.688001000	11.729334000	9.877581000
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6	132.126398000	15.176391000	4.788102000	6	136.681313000	5.881404000	6.026490000
6	133.620378000	15.376158000	5.123017000	6	132.759163000	6.115786000	4.234581000
8	133.950103000	15.978759000	6.149696000	6	132.762339000	1.875281000	3.576013000
6	131.385511000	14.346247000	5.868282000	8	134.066494000	3.649162000	6.624260000
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1	130.397574000	14.786059000	6.051297000	6	132.633378000	0.475191000	3.249245000
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1	132.145678000	12.376512000	5.321516000	6	135.682728000	7.895703000	5.882347000
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1	131.226883000	12.473377000	3.076236000	6	133.799885000	-0.122626000	3.620203000
1	129.945935000	13.594333000	3.583453000	6	137.527494000	3.564059000	5.998566000
7	134.473163000	14.866863000	4.208297000	6	134.850588000	6.857108000	5.319303000
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6	136.768957000	14.803799000	4.098518000	6	134.639670000	0.910641000	4.178527000
6	136.859379000	13.004288000	5.415918000	7	133.020731000	4.768783000	4.196175000
6	138.184362000	14.196986000	3.639470000	26	134.737040000	3.889531000	4.744444000
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1	135.770268000	11.705024000	6.777337000	7	135.391362000	3.713042000	11.338089000
1	135.117224000	11.708013000	5.130251000	8	137.654033000	3.869744000	11.193611000
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1	142.361017000	19.561072000	5.662727000	1	132.565115000	0.982526000	6.299086000
1	143.483709000	19.120470000	8.530015000	1	133.298551000	-0.273220000	8.315733000
1	142.006685000	18.600025000	9.349318000	1	133.556890000	0.888584000	10.482182000
1	141.964102000	19.982322000	8.241165000	1	137.745496000	6.254659000	9.566959000
7	137.437316000	17.102306000	8.644093000	1	137.604880000	7.698539000	10.586910000
6	136.037201000	16.735272000	8.452168000	1	135.237645000	7.543651000	10.756421000
6	135.693338000	15.296464000	8.899244000	1	134.752701000	3.102890000	7.051166000
6	135.831281000	15.067085000	10.386868000	1	139.037026000	5.369963000	11.272453000
6	137.079894000	14.784111000	10.968754000	8	130.755045000	9.760729000	3.755347000
6	134.714209000	15.152999000	11.234292000	1	129.929768000	10.117463000	4.143811000
6	137.211495000	14.606981000	12.350594000	1	131.390994000	9.841637000	4.489234000
6	134.841118000	14.976548000	12.614156000	1	133.764380000	0.519035000	13.654166000
6	136.089717000	14.705829000	13.179882000	1	138.468035000	1.103142000	11.893437000
1	137.713541000	17.488501000	9.535112000	1	132.384116000	5.117297000	21.209690000
1	135.791222000	16.821456000	7.393258000	1	128.146037000	8.256965000	18.122416000
1	134.668328000	15.098220000	8.570110000	1	131.595288000	13.207847000	11.969533000
1	136.345704000	14.612107000	8.345437000	1	126.154963000	11.018858000	5.958660000
1	137.954723000	14.695729000	10.329347000	1	131.578539000	15.065985000	2.782173000
1	133.734753000	15.329048000	10.797203000	1	136.154679000	15.731695000	3.341385000
1	138.189417000	14.397439000	12.778071000	1	140.359890000	16.262447000	8.428639000
1	133.961281000	15.047337000	13.249074000	1	138.554818000	0.423131000	5.749846000
1	136.189345000	14.571984000	14.253959000	1	137.686885000	7.739949000	6.790372000
7	136.429319000	2.979082000	5.410970000	1	131.048928000	7.399819000	3.551468000
7	135.474487000	5.642328000	5.417743000	1	131.762890000	0.027025000	2.786850000
7	133.983467000	2.118281000	4.150990000	1	139.513770000	2.779514000	6.683474000
6	135.916057000	0.690734000	4.680199000	1	135.408389000	8.942523000	5.907730000
6	137.644517000	4.917030000	6.299620000	1	130.000753000	5.004871000	2.778155000
6	133.597743000	7.087063000	4.763651000	1	134.082717000	-1.163785000	3.527812000
6	131.791440000	2.838846000	3.322162000	1	135.425216000	17.457947000	9.002350000
6	136.745548000	1.651987000	5.248374000	1	130.043963000	3.641209000	17.717608000

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6	136.793320000	2.692487000	14.189718000
6	138.035854000	2.359592000	13.356755000
8	138.911570000	1.607407000	13.786787000
6	137.049857000	2.623248000	15.703938000
6	137.998707000	3.736596000	16.169386000
6	135.726421000	2.660735000	16.480665000
1	136.396620000	3.678675000	13.910612000
1	137.540876000	1.661663000	15.894183000
1	138.196589000	3.659356000	17.245649000
1	137.570528000	4.730233000	15.976939000
1	138.959217000	3.670530000	15.649589000
1	135.904160000	2.578695000	17.560741000
1	135.192212000	3.604294000	16.298209000
1	135.063117000	1.837365000	16.186127000
7	138.063880000	2.916210000	12.116537000
6	139.140874000	2.677355000	11.165859000
6	138.700131000	1.918179000	9.903049000
6	138.102171000	0.533571000	10.096360000
6	138.439799000	-0.303908000	11.167167000
6	137.206107000	0.033168000	9.137110000
6	137.905623000	-1.590075000	11.273118000
6	136.670685000	-1.249346000	9.227333000
6	137.023417000	-2.070743000	10.302723000
8	136.470763000	-3.323493000	10.355284000
1	137.343745000	3.581648000	11.847701000
1	139.921342000	2.136711000	11.704743000
1	139.585811000	1.849073000	9.251606000
1	137.980024000	2.540502000	9.354972000
1	139.099146000	0.046897000	11.954552000
1	136.927693000	0.659181000	8.292068000
1	138.177405000	-2.218194000	12.120475000
1	135.981628000	-1.627893000	8.478240000
1	136.817360000	-3.782709000	11.136080000
6	134.240216000	5.821780000	18.804372000
6	133.215433000	5.686007000	17.688619000
8	132.992927000	6.575834000	16.867082000
6	134.429384000	7.266367000	19.272402000
1	133.968045000	5.167745000	19.642633000
1	133.513275000	7.663109000	19.723287000
1	135.225541000	7.319958000	20.020833000
1	134.699845000	7.909647000	18.431667000
7	132.532148000	4.494189000	17.640180000
6	131.812561000	4.102501000	16.431625000
6	130.617143000	4.989663000	16.075925000
8	130.229232000	5.063778000	14.910838000
1	132.858247000	3.749052000	18.242218000
1	132.467202000	4.115547000	15.554334000
7	130.023201000	5.657544000	17.095872000
6	128.935167000	6.589750000	16.849801000
6	129.275037000	7.756412000	15.907257000
8	128.360102000	8.353741000	15.336563000
1	130.433656000	5.587364000	18.016517000
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7	130.584033000	8.062332000	15.743253000
6	130.986163000	9.089087000	14.789646000
6	130.587683000	8.758744000	13.346178000
8	130.551241000	9.681006000	12.514986000
6	132.491255000	9.382743000	14.867294000
6	132.948967000	10.043050000	16.174867000
16	132.124961000	11.624250000	16.611661000
6	132.651776000	12.688632000	15.221652000
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1	130.437812000	10.007812000	15.023604000
1	133.056952000	8.451356000	14.736602000
1	132.742527000	10.017629000	14.012494000
1	134.031854000	10.206211000	16.133391000
1	132.760348000	9.383874000	17.027641000
1	132.272641000	13.691118000	15.437785000
1	132.234744000	12.354009000	14.267815000
1	133.743284000	12.734001000	15.151759000
7	130.239835000	7.494413000	13.043035000
6	129.739794000	7.165693000	11.715405000
6	128.549281000	8.049078000	11.322117000

8	128.349978000	8.318554000	10.128399000
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1	130.295245000	6.755317000	13.740316000
1	130.518361000	7.382525000	10.978455000
1	128.968039000	5.465646000	10.627235000
1	128.579487000	5.433291000	12.364000000
1	130.222815000	5.050813000	11.813174000
7	127.715329000	8.492173000	12.286467000
6	126.590652000	9.337659000	11.914932000
6	126.962051000	10.729851000	11.377452000
8	126.154121000	11.348255000	10.681168000
1	127.928440000	8.338860000	13.271019000
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1	126.009950000	8.857180000	11.123346000
7	128.165133000	11.231195000	11.747718000
6	128.674436000	12.477570000	11.208673000
6	129.741158000	12.373654000	10.105045000
8	130.065159000	13.390367000	9.497606000
1	128.800074000	10.653596000	12.290947000
1	127.834440000	13.030749000	10.785060000
7	130.282032000	11.140813000	9.871911000
6	131.359606000	10.962128000	8.908669000
6	130.971793000	10.158013000	7.650294000
8	131.741474000	10.180782000	6.681495000
6	132.613729000	10.339026000	9.552113000
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6	133.199008000	12.616030000	10.681137000
7	134.360239000	10.788401000	11.298195000
6	134.830434000	11.839826000	11.950984000
7	134.153258000	12.963651000	11.616587000
1	130.165946000	10.426272000	10.584129000
1	131.601526000	11.956262000	8.525369000
1	133.287697000	10.047935000	8.738013000
1	132.347538000	9.417642000	10.085364000
1	132.514404000	13.336354000	10.258101000
1	135.649851000	11.837415000	12.655412000
1	134.379496000	13.904180000	11.918279000
7	129.817926000	9.456725000	7.693127000
6	129.293931000	8.697704000	6.550760000
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6	129.190384000	7.189778000	6.845464000
8	128.220573000	6.834296000	7.827737000
1	129.240940000	9.535696000	8.524480000
1	130.021334000	8.822386000	5.747953000
1	130.186203000	6.814636000	7.117455000
1	128.889746000	6.680879000	5.923981000
1	128.459356000	7.252785000	8.679837000
7	126.851838000	8.959652000	6.621545000
6	125.565532000	9.596419000	6.375640000
6	125.151516000	10.533616000	7.507820000
8	124.948569000	9.781163000	8.691558000
1	126.914667000	8.187644000	7.282159000
1	124.806750000	8.814281000	6.257759000
1	125.932924000	11.294270000	7.646470000
1	124.228086000	11.057614000	7.205111000
1	125.181350000	10.358474000	9.445126000
7	132.320220000	14.796621000	4.198201000
6	132.884458000	15.567967000	5.328639000
6	134.374576000	15.250590000	5.582262000
8	134.989550000	15.832965000	6.483881000
6	132.006737000	15.205949000	6.553675000
6	131.337193000	13.886566000	6.140698000
6	131.097288000	14.087581000	4.642051000
1	132.854524000	16.650897000	5.147638000
1	131.243656000	15.978606000	6.704190000
1	132.597382000	15.142855000	7.470837000
1	132.017530000	13.040277000	6.293167000
1	130.419599000	13.686257000	6.699874000
1	130.973505000	13.142255000	4.104188000
1	130.190959000	14.696130000	4.485432000
7	134.897555000	14.322962000	4.756276000
6	136.300934000	13.940653000	4.705501000
6	136.552155000	12.418181000	4.802292000
6	136.539328000	11.877692000	6.247756000

6	137.906399000	12.090367000	4.150402000	26	133.932408000	4.465044000	4.118822000
6	135.243870000	12.069405000	7.045953000	1	134.789391000	0.032411000	3.986368000
1	134.229021000	13.958159000	4.079956000	1	137.477488000	5.053770000	6.859457000
1	136.820749000	14.463787000	5.512007000	1	132.765439000	8.784105000	4.715255000
1	135.761362000	11.907293000	4.229837000	1	130.162915000	3.797876000	1.739208000
1	137.369058000	12.351933000	6.788114000	6	134.295841000	7.020162000	11.377626000
1	136.774087000	10.803934000	6.201242000	7	135.213560000	8.023589000	11.280417000
1	137.926697000	12.389449000	3.095457000	8	133.082483000	7.204800000	11.376354000
1	138.116023000	11.015317000	4.196253000	16	137.243360000	8.042201000	13.281930000
1	138.716542000	12.617328000	4.669367000	6	134.875986000	5.614542000	11.460057000
1	135.333772000	11.597530000	8.033738000	7	136.130787000	5.347871000	11.297790000
1	134.374784000	11.622694000	6.546429000	8	138.132590000	6.166971000	10.580843000
1	135.026129000	13.128510000	7.210248000	16	135.807879000	7.281294000	14.407638000
16	135.195280000	4.988534000	2.127242000	6	133.893987000	4.494903000	11.667605000
1	136.164210000	4.068480000	2.337573000	8	138.780317000	8.856655000	10.983583000
6	140.822831000	14.160113000	8.536594000	6	133.498055000	3.886574000	10.317229000
6	139.495203000	14.727768000	8.040227000	6	132.547691000	4.482888000	9.529761000
8	138.993541000	14.354544000	6.981409000	6	132.111745000	3.920596000	8.203085000
6	140.777508000	12.621956000	8.561246000	6	132.890783000	2.701501000	7.800517000
6	142.052267000	11.934009000	9.085334000	6	133.849836000	2.152082000	8.606266000
6	141.826125000	10.416297000	9.179711000	6	134.164577000	2.710870000	9.870164000
6	143.287633000	12.243442000	8.225718000	6	137.022034000	6.399842000	11.036473000
1	141.601650000	14.502423000	7.844809000	6	136.603059000	7.819500000	11.384063000
1	139.930091000	12.304959000	9.186131000	6	137.421806000	8.874867000	10.614898000
1	140.554121000	12.271596000	7.546170000	1	132.072679000	5.408598000	9.840490000
1	142.244750000	12.309621000	10.103042000	1	131.041987000	3.655567000	8.268685000
1	142.699524000	9.913228000	9.612067000	1	134.369558000	3.729097000	12.287100000
1	140.953550000	10.173801000	9.798133000	1	133.013722000	4.882225000	12.184070000
1	141.657841000	9.988385000	8.182472000	1	132.660411000	2.277176000	6.827417000
1	144.169922000	11.715734000	8.606955000	1	134.391163000	1.268545000	8.279469000
1	143.526533000	13.312744000	8.210932000	1	134.931187000	2.251589000	10.486932000
1	143.130540000	11.921643000	7.187894000	1	137.275626000	6.888472000	9.540186000
7	138.907829000	15.660585000	8.847529000	1	137.028434000	9.869434000	10.839055000
6	137.572668000	16.190632000	8.594128000	1	134.856313000	9.009255000	11.304902000
6	136.443130000	15.366818000	9.251181000	1	133.029063000	5.150141000	6.945944000
6	136.437643000	15.397600000	10.762352000	1	139.112752000	7.974060000	10.732268000
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6	135.557146000	16.240153000	11.461771000	1	129.687136000	10.616076000	4.320992000
6	137.292088000	14.614600000	12.912860000	1	131.120390000	10.602028000	4.849719000
6	135.536399000	16.268644000	12.860112000	1	136.024380000	1.954548000	13.915777000
6	136.405958000	15.455098000	13.592555000	1	139.554822000	3.644628000	10.857398000
1	139.337581000	15.858465000	9.739733000	1	135.187353000	5.431933000	18.404953000
1	137.404377000	16.183792000	7.516641000	1	128.603885000	6.997222000	17.809287000
1	135.499250000	15.746263000	8.849068000	1	129.100986000	13.086872000	12.013741000
1	136.538833000	14.335396000	8.894083000	1	125.643695000	10.154542000	5.439517000
1	137.974282000	13.904364000	10.998877000	1	132.144170000	15.384544000	3.389809000
1	134.877369000	16.877492000	10.900471000	1	136.722374000	14.306181000	3.757599000
1	137.974455000	13.977780000	13.470914000	1	141.079161000	14.553679000	9.529844000
1	134.844057000	16.929549000	13.375646000	1	136.988911000	0.401764000	5.358906000
1	136.395182000	15.479017000	14.678930000	1	136.855626000	7.586457000	7.167833000
7	135.284201000	3.252670000	4.975832000	1	130.753269000	8.492848000	3.141537000
7	134.588761000	5.971599000	5.312660000	1	130.637189000	1.222423000	1.637932000
7	132.942879000	2.835715000	3.444266000	1	138.135725000	2.540894000	6.568591000
6	134.549245000	1.087954000	4.065975000	1	134.836773000	9.168945000	6.256556000
6	136.587479000	4.902342000	6.256727000	1	129.615626000	6.355308000	1.861102000
6	133.026660000	7.737623000	4.615868000	1	132.599808000	-0.382843000	2.600378000
6	131.039953000	3.944883000	2.361332000	1	137.542882000	17.229067000	8.942583000
6	135.435816000	1.898103000	4.761410000	1	131.452504000	3.077933000	16.567477000
6	135.752810000	5.989736000	6.054870000				
6	132.220636000	6.950437000	3.809154000				
6	131.795051000	2.828932000	2.684860000	² Re _B :			
8	132.107356000	4.932298000	7.175395000	6	136.938618000	2.737279000	13.303027000
6	136.640048000	1.426337000	5.387573000	6	138.331447000	2.830958000	12.672757000
6	135.999377000	7.312916000	6.563465000	8	139.204202000	1.992367000	12.880840000
6	131.062860000	7.452267000	3.113157000	6	136.900042000	1.882467000	14.578890000
6	131.493119000	1.491242000	2.243722000	6	137.713372000	2.516731000	15.716026000
6	137.217431000	2.502876000	5.996753000	6	135.449149000	1.625502000	15.010670000
6	134.990057000	8.108440000	6.107979000	1	136.545336000	3.744264000	13.502452000
6	130.503824000	6.382556000	2.479746000	1	137.367972000	0.921860000	14.332015000
6	132.477894000	0.685411000	2.727240000	1	137.682761000	1.893899000	16.618561000
6	136.363281000	3.631113000	5.748885000	1	137.315453000	3.508105000	15.980445000
6	134.129562000	7.272898000	5.314766000	1	138.760385000	2.636547000	15.424208000
6	131.318437000	5.234980000	2.784898000	1	135.409143000	0.963806000	15.885129000
6	133.383496000	1.531175000	3.462336000	1	134.949946000	2.568659000	15.279596000
7	132.376380000	5.598626000	3.588841000	1	134.862652000	1.164266000	14.207353000
				7	138.506043000	3.903842000	11.844629000

6	139.713865000	4.119477000	11.065455000	8	129.586322000	13.833358000	9.096169000
6	139.497694000	3.985503000	9.540276000	1	128.728750000	11.211895000	12.178253000
6	139.132872000	2.590714000	9.081518000	1	127.719821000	13.682113000	10.860943000
6	140.113088000	1.699356000	8.628869000	7	129.796456000	11.588481000	9.509358000
6	137.803615000	2.139767000	9.103453000	6	130.648929000	11.335614000	8.353255000
6	139.788352000	0.409318000	8.204282000	6	130.023552000	10.426037000	7.274008000
6	137.463130000	0.853043000	8.694721000	8	130.549917000	10.374042000	6.162416000
6	138.457591000	-0.015862000	8.235595000	6	132.004756000	10.576954000	8.761422000
8	138.065713000	-1.260875000	7.806322000	6	132.846365000	11.590083000	9.656034000
1	137.751467000	4.573508000	11.743715000	6	132.815720000	12.946106000	9.883444000
1	140.441831000	3.384532000	11.416601000	7	133.883062000	11.026901000	10.385235000
1	140.428198000	4.302076000	9.050502000	6	134.465657000	12.022408000	11.028448000
1	138.723588000	4.696064000	9.222693000	7	133.852066000	13.202478000	10.761702000
1	141.153526000	2.016193000	8.600169000	1	129.810548000	10.905743000	10.263229000
1	137.016327000	2.811113000	9.435332000	1	130.802645000	12.300038000	7.864976000
1	140.568930000	-0.261731000	7.848567000	1	132.548532000	10.505747000	7.834951000
1	136.432032000	0.515296000	8.707364000	1	131.838046000	9.764853000	9.259415000
1	138.855573000	-1.769942000	7.565545000	1	132.149652000	13.719272000	9.530967000
6	134.862910000	5.612719000	17.605739000	1	135.319696000	11.948767000	11.686029000
6	133.680308000	5.651157000	16.647835000	1	134.145738000	14.105058000	11.112551000
8	133.384390000	6.643255000	15.981824000	7	128.941879000	9.690120000	7.639890000
6	135.315539000	7.001165000	18.058601000	6	128.347844000	8.708269000	6.739657000
1	134.616060000	4.977480000	18.466529000	6	126.875985000	8.975765000	6.383231000
1	134.531328000	7.509718000	18.629207000	8	126.438415000	8.607606000	5.282633000
1	136.201788000	6.920724000	18.695188000	6	128.506917000	7.252581000	7.243830000
1	135.562212000	7.626133000	17.196790000	8	127.559200000	6.872627000	8.224783000
7	132.938517000	4.495423000	16.570321000	1	128.608795000	9.752911000	8.595408000
6	132.043826000	4.259219000	15.439666000	1	128.904499000	8.794425000	5.804792000
6	130.824332000	5.179288000	15.365225000	1	129.543794000	7.133364000	7.597412000
8	130.224687000	5.317678000	14.298811000	1	128.358391000	6.578495000	6.397493000
1	133.315274000	3.676042000	17.030063000	1	127.564152000	7.546133000	8.932196000
1	132.568212000	4.378849000	14.486014000	7	126.104442000	9.595404000	7.298684000
7	130.455852000	5.814450000	16.505372000	6	124.677416000	9.817021000	7.103702000
6	129.396170000	6.809093000	16.504785000	6	124.193345000	10.892647000	8.069661000
6	129.636953000	8.025503000	15.592889000	8	124.405703000	10.442766000	9.398895000
8	128.675954000	8.717715000	15.249719000	1	126.421671000	9.689402000	8.257341000
1	131.035649000	5.692876000	17.323720000	1	124.119443000	8.886038000	7.278045000
1	128.456424000	6.364995000	16.165657000	1	124.735550000	11.828996000	7.875219000
7	130.908856000	8.255223000	15.189601000	1	123.123470000	11.079317000	7.885909000
6	131.201648000	9.306749000	14.222628000	1	124.754688000	11.175285000	9.945342000
6	130.485127000	9.102226000	12.880310000	7	133.351404000	15.792336000	4.646665000
8	130.358702000	10.076345000	12.118961000	6	133.948718000	16.320417000	5.895512000
6	132.712947000	9.472649000	14.000521000	6	135.351803000	15.742907000	6.183021000
6	133.489126000	9.990832000	15.221386000	8	135.979056000	16.114478000	7.180789000
16	132.861806000	11.533929000	15.993798000	6	132.941903000	15.959540000	7.017527000
6	133.097002000	12.737291000	14.637791000	6	132.116941000	14.814631000	6.408815000
1	131.662280000	7.633077000	15.475328000	6	132.012318000	15.235889000	4.940329000
1	130.799797000	10.249660000	14.608439000	1	134.094393000	17.407671000	5.853462000
1	133.152634000	8.511290000	13.701908000	1	132.292339000	16.818456000	7.223388000
1	132.841742000	10.149585000	13.150386000	1	133.452668000	15.698895000	7.947799000
1	134.538748000	10.134336000	14.940961000	1	132.663994000	13.867449000	6.484506000
1	133.476021000	9.251092000	16.027006000	1	131.142479000	14.684529000	6.888460000
1	132.758538000	13.704238000	15.020073000	1	131.787489000	14.399239000	4.269833000
1	132.500028000	12.480585000	13.758266000	1	131.214945000	15.987325000	4.819909000
1	134.151853000	12.823797000	14.359841000	7	135.792453000	14.846288000	5.278203000
7	129.970533000	7.889640000	12.610931000	6	137.117440000	14.241051000	5.289398000
6	129.183653000	7.642569000	11.410024000	6	137.122737000	12.739875000	4.927239000
6	128.019874000	8.630005000	11.275750000	6	136.739579000	11.814397000	6.101432000
8	127.589125000	8.922288000	10.144296000	6	138.520283000	12.355527000	4.411864000
6	128.663060000	6.197335000	11.400403000	6	135.355709000	12.032866000	6.723308000
1	130.133869000	7.109286000	13.242785000	1	135.142582000	14.674652000	4.514805000
1	129.817783000	7.803499000	10.534627000	1	137.548324000	14.390771000	6.282538000
1	128.148839000	5.996913000	10.457136000	1	136.400011000	12.585468000	4.108606000
1	127.980544000	6.013846000	12.236727000	1	137.507260000	11.919648000	6.878022000
1	129.502505000	5.501703000	11.487795000	1	136.806250000	10.776819000	5.739030000
7	127.456411000	9.147202000	12.383864000	1	138.798732000	12.940673000	3.527052000
6	126.372617000	10.109877000	12.243666000	1	138.560745000	12.946833000	4.137867000
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1	127.843343000	8.943322000	13.304822000	1	134.557068000	11.983313000	5.971601000
1	125.962338000	10.311136000	13.237674000	1	135.285701000	13.005516000	7.218703000
1	125.580478000	9.693450000	11.616805000	16	134.323063000	3.966251000	2.707093000
7	128.058513000	11.843578000	11.747137000	1	133.536352000	5.018235000	2.386491000
6	128.567693000	13.039562000	11.102135000	6	140.951026000	12.702949000	9.574436000
6	129.362827000	12.849404000	9.798063000	6	139.827152000	13.577929000	9.029098000

8	139.247737000	13.311516000	7.976683000	5	133.433507000	1.150097000	10.061850000
6	140.397322000	11.549212000	10.436612000	6	132.846034000	0.806445000	11.282128000
6	141.464189000	10.564102000	10.958163000	6	132.148016000	1.774890000	12.005683000
6	140.855776000	9.647145000	12.031389000	6	132.051171000	3.080635000	11.518932000
6	142.082991000	9.729831000	9.825982000	6	135.861532000	6.501571000	9.194700000
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1	139.869779000	11.981533000	11.299483000	6	136.709781000	8.746190000	10.027314000
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1	142.267635000	11.153699000	11.427657000	1	133.952663000	0.395166000	9.476997000
1	141.602386000	8.942158000	12.416760000	1	131.656561000	5.343214000	10.217685000
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1	142.846163000	9.046779000	10.217433000	1	131.661132000	1.509463000	12.941207000
1	142.561816000	10.353100000	9.062558000	1	131.488401000	3.822545000	12.082790000
1	141.313215000	9.123676000	9.331536000	1	136.527512000	9.192641000	9.038467000
7	139.482815000	14.651659000	9.800738000	1	136.553613000	9.519544000	10.783329000
6	138.343122000	15.505544000	9.483526000	1	134.165608000	9.155467000	10.298643000
6	136.982280000	14.953788000	9.964603000	1	134.741113000	4.964442000	8.392132000
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6	136.082065000	16.036550000	12.071505000	1	127.586383000	7.608653000	4.304876000
6	137.150348000	14.031762000	13.682620000	1	128.436747000	7.604194000	3.016503000
6	135.912436000	16.089955000	13.457866000	1	136.270537000	2.300619000	12.547090000
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1	139.945182000	14.773895000	10.690215000	1	135.682615000	5.101826000	17.079649000
1	138.290066000	15.615755000	8.399527000	1	129.247379000	7.159679000	17.530031000
1	136.213184000	15.547487000	9.461179000	1	129.213972000	13.585967000	11.798906000
1	136.888088000	13.930719000	9.583019000	1	124.508673000	10.115420000	6.065500000
1	137.850652000	13.147628000	11.848078000	1	133.314414000	16.500490000	3.920291000
1	135.670636000	16.827453000	11.447428000	1	137.757567000	14.780613000	4.575158000
1	137.571932000	13.246471000	14.305321000	1	141.661902000	13.298450000	10.163666000
1	135.363220000	16.915941000	13.902521000	1	139.390458000	3.644509000	5.601466000
1	136.320829000	15.128761000	15.348003000	1	134.757072000	9.418314000	5.127420000
7	136.183947000	4.516592000	5.286883000	1	129.076072000	4.785646000	4.207507000
7	133.896477000	6.191632000	5.005602000	1	133.618656000	-0.998246000	5.290239000
7	134.510513000	2.217376000	5.174326000	1	138.985300000	6.325909000	5.416126000
6	136.940710000	2.193774000	5.477253000	1	132.080580000	9.001408000	4.937192000
6	136.213591000	6.963308000	5.196341000	1	129.468863000	2.086512000	4.358542000
6	131.462509000	6.222415000	4.702070000	1	136.279443000	-0.579561000	5.640883000
6	132.197382000	1.449757000	4.908594000	1	138.529435000	16.493550000	9.917616000
6	137.159416000	3.565460000	5.418745000	1	131.689425000	3.225662000	15.497274000
6	134.846686000	7.178572000	5.097231000				
6	131.266249000	4.851568000	4.631532000				
6	133.555466000	1.235379000	5.118010000	² TS1s:			
8	134.004369000	4.237554000	6.852992000	6	136.454372000	2.296420000	13.401293000
6	138.459573000	4.184208000	5.487567000	6	137.869751000	2.407206000	12.829588000
6	134.223103000	8.478796000	5.065884000	8	138.742330000	1.577851000	13.078627000
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6	134.160779000	-0.061221000	5.294603000	6	137.143754000	2.268772000	15.850416000
6	138.255605000	5.526996000	5.395662000	6	134.952139000	1.227245000	15.131145000
6	132.881492000	8.272399000	4.952667000	1	136.003815000	3.292642000	13.510655000
6	130.190113000	2.885783000	4.472562000	1	136.923753000	0.574138000	14.563666000
6	135.497266000	0.145916000	5.457391000	1	137.128157000	1.693118000	16.784365000
6	136.832447000	5.720555000	5.278801000	1	136.674156000	3.243337000	16.051028000
6	132.694309000	6.842129000	4.899921000	1	138.189342000	2.441664000	15.580094000
6	131.595040000	2.684827000	4.734106000	1	134.910471000	0.626464000	16.048534000
6	135.704911000	1.570269000	5.376764000	1	134.399673000	2.161050000	15.313781000
7	132.244464000	3.897454000	4.805189000	1	134.416236000	0.68526000	14.343546000
26	134.197036000	4.211999000	5.220114000	7	138.072009000	3.478076000	12.006264000
1	137.807792000	1.558964000	5.625432000	6	139.324234000	3.713745000	11.308128000
1	136.853740000	7.839515000	5.231415000	6	139.199304000	3.627420000	9.770238000
1	130.584003000	6.848690000	4.568544000	6	138.837585000	2.255437000	9.246325000
1	131.557423000	0.573698000	4.863761000	6	139.824067000	1.344032000	8.849219000
6	133.280287000	7.283511000	10.108902000	6	137.496636000	1.852313000	9.141327000
7	134.339884000	8.140889000	10.148582000	6	139.495752000	0.080885000	8.350893000
8	132.106282000	7.635394000	10.115093000	6	137.152229000	0.592112000	8.657240000
16	136.028163000	6.757966000	11.896879000	6	138.153843000	-0.295990000	8.252777000
6	133.722026000	5.804630000	10.085199000	8	137.758790000	-1.508646000	7.737810000
7	134.825242000	5.627578000	9.178350000	1	137.325125000	4.151619000	11.878326000
8	136.866911000	6.422880000	8.485565000	1	140.028742000	2.967148000	11.682104000
16	134.284850000	5.538889000	11.915673000	1	140.164881000	3.940073000	9.349726000
6	132.539403000	4.861831000	9.792272000	1	138.456395000	4.357908000	9.426800000
8	138.029568000	8.275605000	10.162397000	1	140.872946000	1.624214000	8.922571000
6	132.657261000	3.439487000	10.305315000	1	136.707437000	2.543390000	9.424461000
6	133.337439000	2.454609000	9.573671000	1	140.281676000	-0.606187000	8.040223000
				1	136.113615000	0.289943000	8.567561000

1	138.548060000	-2.047874000	7.572356000	1	132.276835000	13.632728000	9.602711000
6	134.839852000	5.665584000	17.694958000	1	135.431949000	11.791337000	11.721355000
6	133.662903000	5.733246000	16.732161000	1	134.279559000	13.972099000	11.185897000
8	133.349551000	6.759374000	16.129095000	7	129.043706000	9.647174000	7.646511000
6	135.195423000	7.022566000	18.304456000	6	128.471629000	8.652163000	6.747930000
1	134.635274000	4.922910000	18.477014000	6	127.010024000	8.914553000	6.350916000
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1	136.077367000	6.929983000	18.945505000	6	128.618964000	7.202701000	7.275292000
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1	131.048673000	5.762700000	17.333605000	1	124.227799000	8.846932000	7.173350000
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6	132.706550000	9.485971000	14.029757000	6	135.223260000	15.962955000	6.136367000
6	133.465255000	10.037999000	15.246488000	8	135.847824000	16.387401000	7.114495000
16	132.822525000	11.598325000	15.971531000	6	132.827369000	16.089941000	7.021434000
6	133.043273000	12.761178000	14.578396000	6	132.074378000	14.862983000	6.484168000
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1	133.445821000	9.319633000	16.071024000	1	131.124301000	14.682848000	6.995001000
1	132.696296000	13.736518000	14.930648000	1	131.734255000	14.328039000	4.373774000
1	132.447810000	12.470678000	13.708381000	1	131.048411000	15.888364000	4.868612000
1	134.096482000	12.848696000	14.294963000	7	135.694470000	15.072442000	5.240656000
7	129.984785000	7.881500000	12.625831000	6	137.049952000	14.539044000	5.239354000
6	129.207482000	7.618791000	11.421625000	6	137.131069000	13.041184000	4.872983000
6	128.052758000	8.611252000	11.259934000	6	136.803183000	12.091503000	6.045249000
8	127.637457000	8.892741000	10.118972000	6	138.545091000	12.732335000	4.351344000
6	128.670513000	6.179439000	11.436934000	6	135.410030000	12.226813000	6.670290000
1	130.146280000	7.107034000	13.265720000	1	135.041497000	14.853179000	4.492255000
1	129.852183000	7.754196000	10.549616000	1	137.482585000	14.709824000	6.228199000
1	128.159815000	5.966518000	10.494604000	1	136.414070000	12.850507000	4.056957000
1	127.981823000	6.019536000	12.272934000	1	137.564671000	12.238958000	6.821089000
1	129.501519000	5.477038000	11.541544000	1	136.930328000	11.061383000	5.677147000
7	127.475439000	9.141685000	12.354276000	1	138.788192000	13.332566000	3.466208000
6	126.397601000	10.106771000	12.189328000	1	138.640924000	11.675401000	4.075813000
6	126.812422000	11.435346000	11.531315000	1	139.289875000	12.948552000	5.126615000
8	125.974016000	12.109774000	10.926016000	1	135.254238000	11.456619000	7.436207000
1	127.848313000	8.944431000	13.282860000	1	134.614128000	12.120041000	5.921617000
1	125.977083000	10.322368000	13.176065000	1	135.279330000	13.197632000	7.156539000
1	125.610544000	9.686432000	11.558766000	16	134.936893000	4.399670000	2.945116000
7	128.095988000	11.829541000	11.706948000	1	133.722087000	4.795749000	2.505566000
6	128.623842000	13.016905000	11.061475000	6	140.961294000	13.231229000	9.428443000
6	129.445944000	12.811219000	9.776575000	6	139.790300000	14.062997000	8.918235000
8	129.681612000	13.787337000	9.067486000	8	139.238808000	13.807385000	7.847746000
1	128.755489000	11.198872000	12.156176000	6	140.470476000	11.889595000	10.010196000
1	127.784276000	13.660413000	10.795165000	6	141.591367000	10.916121000	10.427638000
7	129.886615000	11.547645000	9.512156000	6	141.012204000	9.777991000	11.283297000
6	130.756250000	11.279372000	8.372718000	6	142.348758000	10.353282000	9.215096000
6	130.135599000	10.370763000	7.292203000	1	141.615386000	13.054617000	8.569148000
8	130.677173000	10.300929000	6.186694000	1	139.841629000	12.099094000	10.887809000
6	132.092772000	10.646075000	8.803857000	1	139.820956000	11.401590000	9.271936000
6	132.944221000	11.492043000	9.703613000	1	142.310578000	4.774666000	11.047718000
6	132.931161000	12.845602000	9.946512000	1	141.793858000	9.063339000	11.568310000
7	133.977174000	10.905225000	10.418453000	1	140.565386000	10.166568000	12.207129000
6	134.574846000	11.885607000	11.070062000	1	140.229681000	9.227124000	10.746670000
7	133.975701000	13.078010000	10.821632000	1	143.153244000	9.681399000	9.536677000
1	129.889170000	10.873468000	10.274514000	1	142.802807000	11.142199000	8.605048000
1	130.933946000	12.238808000	7.882471000	1	141.672605000	9.778214000	8.569319000
1	132.645868000	10.410950000	7.886616000	7	139.373439000	15.076612000	9.732149000
1	131.900500000	9.686686000	9.298659000	6	138.181841000	15.867257000	9.441815000

6	129.577680000	8.085078000	15.741433000	8	124.606757000	10.455880000	9.365256000
8	128.653932000	8.791096000	15.329843000	1	126.591960000	9.439613000	8.325973000
1	130.838979000	5.824414000	17.659589000	1	124.290871000	8.876663000	7.266022000
1	128.322091000	6.502761000	16.372525000	1	125.110186000	11.774962000	7.830357000
7	130.867308000	8.241454000	15.361048000	1	123.444477000	11.154098000	7.783545000
6	131.228042000	9.231432000	14.353891000	1	124.975094000	11.182787000	9.906150000
6	130.563751000	8.972490000	12.994294000	7	132.719710000	16.433059000	4.779528000
8	130.511880000	9.901187000	12.170485000	6	133.254110000	16.746767000	6.125173000
6	132.750622000	9.359276000	14.195744000	6	134.726900000	16.320939000	6.302204000
6	133.477443000	9.916089000	15.429879000	8	135.315412000	16.568339000	7.360699000
16	132.847089000	11.501944000	16.106932000	6	132.328072000	15.997012000	7.118224000
6	133.213440000	12.651166000	14.733279000	6	131.655678000	14.924112000	6.247871000
1	131.588441000	7.608280000	15.701239000	6	131.467466000	15.659456000	4.918607000
1	130.830022000	10.201364000	14.671520000	1	133.241560000	17.824380000	6.333959000
1	133.185086000	8.377586000	13.962039000	1	131.570651000	16.683390000	7.513972000
1	132.933544000	9.994215000	13.323597000	1	132.887627000	15.597958000	7.967773000
1	134.542330000	10.028037000	15.196252000	1	132.329776000	14.070754000	6.106416000
1	133.410113000	9.211646000	16.263909000	1	130.723437000	14.553046000	6.679484000
1	132.878271000	13.639755000	15.058752000	1	131.337300000	14.983698000	4.065801000
1	132.673673000	12.381550000	13.821167000	1	130.578774000	16.310143000	4.970223000
1	134.287532000	12.698761000	14.529199000	7	135.263581000	15.679716000	5.245817000
7	130.002331000	7.769280000	12.773241000	6	136.649537000	15.241215000	5.153029000
6	129.217424000	7.505261000	11.572962000	6	136.818936000	13.791425000	4.646383000
6	128.117429000	8.555390000	11.365814000	6	136.601162000	12.718233000	5.734192000
8	127.731192000	8.821908000	10.213830000	6	138.228209000	13.632011000	4.050496000
6	128.596346000	6.101134000	11.635326000	6	135.230432000	12.704709000	6.421149000
1	130.091227000	7.025196000	13.461511000	1	134.628645000	15.579164000	4.457570000
1	129.868885000	7.578805000	10.697053000	1	137.103679000	15.351948000	6.140632000
1	128.097051000	5.878947000	10.688821000	1	136.083737000	13.625379000	3.841695000
1	127.875418000	6.023730000	12.455771000	1	137.385751000	12.842529000	6.491637000
1	129.375729000	5.351313000	11.795137000	1	136.770334000	11.737652000	5.264835000
7	127.559298000	9.146953000	12.439555000	1	138.393258000	14.326052000	3.217395000
6	126.523709000	10.150229000	12.236778000	1	138.383855000	12.614200000	3.674223000
6	126.993427000	11.440190000	11.541174000	1	138.988355000	13.830298000	4.815776000
8	126.178847000	12.138807000	10.932165000	1	135.144044000	11.838622000	7.089502000
1	127.911513000	8.962025000	13.378598000	1	134.413210000	12.641152000	5.691749000
1	126.104682000	10.412228000	13.212761000	1	135.073556000	13.602317000	7.026795000
1	125.725001000	9.742983000	11.612083000	16	135.481565000	4.589865000	2.941460000
7	128.298960000	11.774212000	11.680872000	1	134.177377000	4.728197000	2.614997000
6	128.871602000	12.911973000	10.985948000	6	140.863015000	13.921651000	9.042108000
6	129.695839000	12.618117000	9.719881000	6	139.599495000	14.687284000	8.664603000
8	129.989212000	13.552398000	8.978084000	8	139.011375000	14.478837000	7.604316000
1	128.930968000	11.132984000	12.152912000	6	140.506019000	12.534695000	9.615357000
1	128.055532000	13.570748000	10.685912000	6	141.713186000	11.632173000	9.941339000
7	130.076289000	11.324421000	9.509579000	6	141.257731000	10.428193000	10.781332000
6	130.988511000	10.966978000	8.428392000	6	142.448325000	11.166605000	8.675188000
6	130.410496000	9.956762000	7.410216000	1	141.452230000	13.814405000	8.126889000
8	131.083580000	9.644221000	6.425709000	1	139.918605000	12.678580000	10.533687000
6	132.304627000	10.381582000	8.969732000	1	139.848287000	12.018891000	8.903175000
6	133.121434000	11.284207000	9.844963000	1	142.420336000	12.220272000	10.547568000
6	133.127558000	12.651506000	9.985933000	1	142.098139000	9.759287000	11.002046000
7	134.100493000	10.733397000	10.659820000	1	140.831089000	10.752617000	11.738674000
6	134.686833000	11.749610000	11.268168000	1	140.488637000	9.843880000	10.260885000
7	134.128122000	12.928822000	10.898141000	1	143.311643000	10.542093000	8.933185000
1	130.022966000	10.682172000	10.296514000	1	142.818154000	12.006420000	8.076385000
1	131.180324000	11.885134000	7.866685000	1	141.783814000	10.569111000	8.037697000
1	132.896984000	10.064979000	8.103789000	7	139.144807000	15.580304000	9.593459000
1	132.074885000	9.471530000	9.534425000	6	137.864274000	16.264716000	9.456823000
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1	135.505752000	11.689252000	11.970451000	6	136.635679000	15.235829000	11.463622000
1	134.436017000	13.843229000	11.205029000	6	137.332477000	14.170828000	12.062026000
7	129.183049000	9.451012000	7.684183000	6	135.935514000	16.116820000	12.305505000
6	128.546514000	8.467668000	6.811650000	6	137.341562000	14.000836000	13.448921000
6	127.102229000	8.826620000	6.422554000	6	135.938626000	15.948765000	13.692677000
8	126.691744000	8.552632000	5.286530000	6	136.644634000	14.891126000	14.270603000
6	128.619597000	7.019643000	7.353261000	1	139.626755000	15.636809000	10.479341000
8	127.685597000	6.725994000	8.373682000	1	137.698750000	16.472359000	8.399089000
1	128.743479000	9.717879000	8.555945000	1	135.758337000	15.978271000	9.632168000
1	129.120622000	8.478372000	5.884390000	1	136.663692000	14.486803000	9.439786000
1	129.659051000	6.841624000	7.675825000	1	137.867357000	13.466726000	11.429344000
1	128.402611000	6.340291000	6.525670000	1	135.388001000	16.947450000	11.864824000
1	127.743464000	7.426187000	9.052232000	1	137.895433000	13.174522000	13.887991000
7	126.324031000	9.430175000	7.347427000	1	135.390196000	16.645446000	14.321459000
6	124.925828000	9.756993000	7.095809000	1	136.652014000	14.761572000	15.349433000
6	124.487566000	10.888751000	8.018139000	7	137.232590000	4.263912000	5.286579000

7	135.138542000	6.193364000	5.556901000	1	134.056325000	-0.834690000	4.283133000
7	135.297315000	2.203015000	4.890310000	1	140.225013000	5.709161000	5.556833000
6	137.722266000	1.875017000	5.004733000	1	133.652188000	9.167527000	5.843663000
6	137.542025000	6.677885000	5.614237000	1	130.252334000	2.786875000	4.326518000
6	132.707517000	6.534591000	5.405607000	1	136.755216000	-0.777063000	4.548115000
6	132.908447000	1.768685000	4.559401000	1	137.930810000	17.219773000	9.989094000
6	138.092629000	3.199451000	5.187183000	1	131.428535000	3.215131000	16.072574000
6	136.206815000	7.050467000	5.659521000				
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6	134.234425000	1.372459000	4.653851000	6	135.966434000	2.195766000	13.373081000
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6	135.736162000	8.407676000	5.811088000	6	136.247629000	2.046941000	14.876146000
6	130.998323000	4.803359000	4.808178000	6	137.197338000	3.137759000	15.391146000
6	134.697834000	0.014005000	4.483562000	6	134.933564000	2.038086000	15.671151000
6	139.405538000	5.010233000	5.447490000	1	135.583607000	3.202621000	13.152071000
6	134.372797000	8.361151000	5.784247000	1	136.744956000	1.079326000	15.014504000
6	131.060427000	3.462401000	4.577035000	1	137.403042000	3.006899000	16.461478000
6	136.051937000	0.043063000	4.615076000	1	136.764333000	4.138301000	15.248325000
6	138.009476000	5.376934000	5.449428000	1	138.151300000	3.098247000	14.858711000
6	134.013530000	6.975317000	5.601628000	1	135.124200000	1.893293000	16.742722000
6	132.442980000	3.070759000	4.709493000	1	134.397555000	2.990874000	15.549862000
6	136.415902000	1.420253000	4.860891000	1	134.264302000	1.235069000	15.338388000
7	133.215030000	4.163348000	5.007247000	7	137.042022000	2.272041000	11.188387000
26	135.220169000	4.185419000	5.272458000	6	138.072321000	2.068941000	10.178139000
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1	138.284420000	7.364076000	5.710408000	6	137.396423000	-0.329710000	9.373730000
1	131.920952000	7.281551000	5.460172000	6	137.841563000	-0.943916000	10.549908000
1	132.172316000	1.001048000	4.341509000	6	136.709879000	-1.127758000	8.442551000
6	133.514719000	7.040402000	9.850611000	6	137.611070000	-2.302461000	10.785541000
7	134.561705000	7.897312000	10.034567000	6	136.477260000	-2.482351000	8.662332000
8	132.344838000	7.306957000	10.114597000	6	136.931867000	-3.077401000	9.844225000
16	136.575806000	6.858926000	11.742371000	8	136.678133000	-4.413497000	10.023310000
6	133.857707000	5.757803000	9.131656000	1	136.191701000	2.743629000	10.896155000
7	135.072455000	5.504333000	8.720027000	1	138.956472000	1.698934000	10.700810000
8	137.282385000	6.053347000	8.634785000	1	138.445141000	1.191396000	8.273184000
16	134.987786000	5.998769000	12.564108000	1	136.758981000	1.546748000	8.554437000
6	132.754822000	4.792620000	8.825625000	1	138.354753000	-0.368726000	11.314372000
8	138.206936000	8.372267000	9.860771000	1	136.353109000	-0.676264000	7.518660000
6	132.680028000	3.702204000	9.894920000	1	137.961525000	-2.755251000	11.712349000
6	133.293384000	2.461584000	9.677542000	1	135.949183000	-3.090945000	7.934238000
6	133.197624000	1.452705000	10.640938000	1	137.060316000	-4.688217000	10.871257000
6	132.489050000	1.678158000	11.824796000	6	134.533475000	5.793674000	18.010281000
6	131.887280000	2.919416000	12.049436000	6	133.312262000	5.812311000	17.104210000
6	131.993118000	3.930415000	11.092878000	8	133.069546000	6.727298000	16.316898000
6	136.166758000	6.326113000	9.051430000	6	135.064177000	7.191456000	18.332773000
6	135.916078000	7.509930000	9.961834000	1	134.304203000	5.235724000	18.927461000
6	136.856797000	8.683304000	9.612846000	1	134.330887000	7.776045000	18.987970000
1	133.829461000	2.287359000	8.747890000	1	135.976628000	7.119772000	18.932195000
1	133.668562000	0.491261000	10.454695000	1	135.294713000	7.735033000	17.413386000
1	131.814573000	5.345064000	8.786904000	7	132.470883000	4.729370000	17.209847000
1	132.959978000	4.336841000	7.852877000	6	131.514272000	4.430264000	16.148116000
1	132.401214000	0.885852000	12.563678000	6	130.409140000	5.469967000	15.954832000
1	131.320480000	3.108520000	12.957379000	8	129.847584000	5.573733000	14.865135000
1	131.540759000	4.901498000	11.270799000	1	132.799726000	3.945234000	17.758934000
1	136.671781000	8.949509000	8.561031000	1	132.011032000	4.339473000	15.176462000
1	136.594754000	9.544254000	10.231593000	7	130.084995000	6.238356000	17.024179000
1	134.352577000	8.843271000	10.414534000	6	129.107972000	7.308616000	16.902997000
1	135.197742000	4.691636000	7.856546000	6	129.448530000	8.384106000	15.856991000
1	138.407091000	7.581162000	9.324308000	8	128.543909000	9.076989000	15.386511000
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1	137.991704000	3.556256000	9.749139000	6	130.524884000	9.112340000	13.083720000
1	135.514306000	5.118861000	17.445574000	8	130.515370000	9.996993000	12.210172000
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1	129.520563000	13.473765000	11.667968000	6	133.342683000	10.223403000	15.547849000
1	124.823365000	10.043145000	6.045986000	16	132.711936000	11.879197000	16.029861000
1	132.589059000	17.270823000	4.221285000	6	133.116775000	12.858880000	14.540177000
1	137.184857000	15.918929000	4.471573000	1	131.448259000	7.860113000	15.855770000
1	141.468649000	14.482254000	9.766935000	1	130.727423000	10.425128000	14.703940000
1	140.327787000	3.017640000	5.240230000	1	133.110288000	8.575442000	14.191389000
1	136.378647000	9.276334000	5.890468000	1	132.876864000	10.136963000	13.425809000
1	130.139650000	5.463843000	4.748646000	1	134.420195000	10.239453000	15.361248000

1	133.215410000	9.605334000	16.442089000	1	130.657647000	14.981980000	6.871083000
1	132.808658000	13.886136000	14.752918000	1	131.166122000	15.523541000	4.255586000
1	132.572540000	12.505484000	13.659870000	1	130.470985000	16.818689000	5.250258000
1	134.192626000	12.853421000	14.340283000	7	135.137329000	16.057467000	5.235178000
7	129.963881000	7.904209000	12.902263000	6	136.489375000	15.552946000	5.038065000
6	129.252473000	7.583556000	11.671776000	6	136.547356000	14.134993000	4.426743000
6	128.118645000	8.579980000	11.394185000	6	136.335217000	13.003825000	5.455465000
8	127.745144000	8.771970000	10.222346000	6	137.906368000	13.942459000	3.732347000
6	128.718958000	6.144747000	11.714611000	6	135.015558000	13.026469000	6.235658000
1	130.005370000	7.196041000	13.632176000	1	134.459224000	16.047886000	4.476971000
1	129.944855000	7.680112000	10.831309000	1	136.997719000	15.568077000	6.005205000
1	128.260418000	5.892831000	10.754738000	1	135.756494000	14.063998000	3.661884000
1	127.983915000	6.013975000	12.515315000	1	137.174254000	13.031491000	6.162279000
1	129.547741000	5.453831000	11.893499000	1	136.410171000	12.049549000	4.913845000
7	127.536279000	9.223112000	12.424110000	1	138.061247000	14.682688000	2.937862000
6	126.508011000	10.218807000	12.156625000	1	137.979671000	12.946171000	3.280947000
6	127.005523000	11.496770000	11.456290000	1	138.722036000	14.044666000	4.458369000
8	126.209205000	12.198133000	10.825895000	1	134.921007000	12.130202000	6.861453000
1	127.873990000	9.090153000	13.376756000	1	134.148631000	13.050976000	5.563518000
1	126.045595000	10.499192000	13.107463000	1	134.955307000	13.895002000	6.898299000
1	125.738713000	9.796105000	11.505896000	16	135.640953000	4.953757000	3.017551000
7	128.312963000	11.813788000	11.609429000	1	135.635591000	6.302623000	2.932284000
6	128.920214000	12.920873000	10.894651000	6	140.826749000	13.663323000	8.645546000
6	129.753713000	12.571687000	9.648161000	6	139.585072000	14.506078000	8.372826000
8	130.065787000	13.473328000	8.874620000	8	138.942651000	14.390207000	7.330155000
1	128.928124000	11.174628000	12.105633000	6	140.434243000	12.263193000	9.161234000
1	128.123750000	13.588583000	10.563453000	6	141.612290000	11.284502000	9.344097000
7	130.119397000	11.266470000	9.488188000	6	141.166964000	10.064322000	10.165873000
6	130.996240000	10.853778000	8.398313000	6	142.213006000	10.845904000	7.999797000
6	130.332906000	9.933203000	7.349805000	1	141.365446000	13.581254000	7.697208000
8	130.909043000	9.740725000	6.277273000	1	139.919831000	12.379561000	10.126127000
6	132.265727000	10.153933000	8.924744000	1	139.702339000	11.825874000	8.468834000
6	133.158152000	11.018677000	9.766872000	1	142.398133000	9.805656000	9.913528000
6	133.233827000	12.387476000	9.873549000	1	141.992026000	9.353674000	10.294804000
7	134.126104000	10.441908000	10.575394000	1	140.826771000	10.362499000	11.165299000
6	134.771969000	11.442795000	11.148725000	1	140.338408000	9.530622000	9.683703000
7	134.264267000	12.638396000	10.759096000	1	143.061449000	10.168992000	8.154208000
1	130.065545000	10.657057000	10.300352000	1	142.573277000	11.694699000	7.407795000
1	131.266581000	11.761526000	7.853263000	1	141.466344000	10.312496000	7.397110000
1	132.821289000	9.783566000	8.055146000	7	139.212971000	15.359274000	9.373164000
1	131.984115000	9.268683000	9.508226000	6	137.960544000	16.105639000	9.334978000
1	132.648273000	13.177910000	9.428327000	6	136.736532000	15.307585000	9.839316000
1	135.599588000	11.358942000	11.838408000	6	136.756474000	15.017087000	11.323413000
1	134.618367000	13.544167000	11.040918000	6	137.435751000	13.901110000	11.844319000
7	129.157602000	9.351938000	7.696771000	6	136.115689000	15.877781000	12.231026000
6	128.496398000	8.387172000	6.822375000	6	137.486125000	13.662917000	13.220458000
6	127.045299000	8.744086000	6.459188000	6	136.160755000	15.642064000	13.607136000
8	126.612263000	8.447063000	5.336460000	6	136.849375000	14.534670000	14.108171000
6	128.578717000	6.934214000	7.347646000	1	139.735650000	15.342363000	10.237318000
8	127.674127000	6.635611000	8.394596000	1	137.764424000	16.393443000	8.301508000
1	128.785128000	9.528623000	8.622452000	1	135.851675000	15.889918000	9.565000000
1	129.050911000	8.411095000	5.883470000	1	136.692422000	14.376988000	9.262032000
1	129.625681000	6.744575000	7.634967000	1	137.924216000	13.211873000	11.159831000
1	128.330508000	6.262190000	6.522128000	1	135.581407000	16.745567000	11.850100000
1	127.748680000	7.330900000	9.075691000	1	138.025398000	12.798036000	13.599261000
7	126.282745000	9.361955000	7.386183000	1	135.658616000	16.324484000	14.288002000
6	124.878186000	9.673767000	7.151123000	1	136.889530000	14.352753000	15.178695000
6	124.448254000	10.850431000	8.018510000	7	137.202454000	4.978616000	5.660258000
8	124.568232000	10.488779000	9.386462000	7	134.984929000	6.763999000	5.409428000
1	126.581972000	9.411312000	8.354105000	7	135.485002000	2.799908000	4.974734000
1	124.250310000	8.801489000	7.379683000	6	137.914563000	2.650878000	5.337145000
1	125.071715000	11.724794000	7.784243000	6	137.301921000	7.415676000	5.931008000
1	123.404837000	11.106117000	7.774838000	6	132.549965000	6.916803000	5.083761000
1	124.963407000	11.234339000	9.881835000	6	133.149927000	2.139920000	4.592620000
7	132.602411000	16.921438000	4.969645000	6	138.153750000	3.988003000	5.618630000
6	133.223153000	17.131306000	6.298736000	6	135.959062000	7.688403000	5.707274000
6	134.679528000	16.622880000	6.368958000	6	132.305324000	5.565134000	4.900683000
8	135.326225000	16.747607000	7.415122000	6	134.506472000	1.872527000	4.720593000
6	132.314964000	16.373854000	7.300121000	8	134.932207000	4.544776000	7.050801000
6	131.576620000	15.357623000	6.416023000	6	139.455768000	4.547540000	5.880022000
6	131.345159000	16.157630000	5.131299000	6	135.375179000	9.004735000	5.786054000
1	133.278803000	18.195379000	6.562369000	6	131.005090000	5.015400000	4.590656000
1	131.596044000	17.069212000	7.749609000	6	135.091987000	0.560977000	4.608775000
1	132.894929000	15.926783000	8.110996000	6	139.283291000	5.887848000	6.053254000
1	132.222082000	14.496602000	6.206131000	6	134.038843000	8.864728000	5.553698000

6	131.176734000	3.670953000	4.469380000	1	137.581199000	3.604735000	16.924857000
6	136.433480000	0.707930000	4.804830000	1	136.804794000	4.537449000	15.626223000
6	137.875024000	6.151600000	5.895660000	1	138.388614000	3.784305000	15.361843000
6	133.803186000	7.460582000	5.329133000	1	135.559149000	2.058073000	17.158561000
6	132.576342000	3.396740000	4.692341000	1	134.692844000	2.957329000	15.894606000
6	136.670783000	2.108824000	5.044396000	1	134.914764000	1.205018000	15.745329000
7	133.244159000	4.564589000	4.966969000	7	137.868995000	3.185728000	11.938863000
26	135.209074000	4.773809000	5.283834000	6	139.032512000	3.291766000	11.066912000
1	138.765008000	1.976750000	5.342879000	6	138.768169000	2.863596000	9.615627000
1	137.955895000	8.257675000	6.135283000	6	138.417750000	1.404894000	9.367784000
1	131.708939000	7.601147000	5.046417000	6	138.663779000	0.379355000	10.288198000
1	132.492310000	1.304118000	4.376658000	6	137.852003000	1.048543000	8.131489000
6	133.467124000	6.688310000	10.547198000	6	138.359003000	-0.951228000	9.984034000
7	134.529871000	7.541469000	10.505374000	6	137.547131000	-0.272305000	7.813114000
8	132.300192000	7.059608000	10.618963000	6	137.805937000	-1.284095000	8.745519000
16	136.723655000	7.101711000	12.270361000	8	137.493941000	-2.571651000	8.391740000
6	133.813745000	5.205100000	10.481235000	1	137.089385000	3.804044000	11.751007000
7	135.002155000	4.764166000	10.251690000	1	139.822149000	2.695486000	11.528510000
8	137.024569000	5.326069000	9.378714000	1	139.673857000	3.118241000	9.043486000
16	135.274947000	6.610693000	13.522470000	1	137.974375000	3.497811000	9.198307000
6	132.640235000	4.277803000	10.655150000	1	139.077424000	0.600688000	11.267459000
8	138.133347000	7.830850000	9.817828000	1	137.650653000	1.823167000	7.394399000
6	132.896033000	2.803884000	10.442342000	1	138.557379000	-1.730576000	10.718897000
6	133.351344000	2.326027000	9.203281000	1	137.111871000	-0.530780000	6.852405000
6	133.544142000	0.958618000	9.007392000	1	137.753486000	-3.163075000	9.115322000
6	133.286159000	0.049662000	10.037579000	6	134.573340000	6.127503000	18.201176000
6	132.822876000	0.516822000	11.267389000	6	133.387989000	6.109418000	17.246770000
6	132.630052000	1.887228000	11.465524000	8	133.126148000	7.035793000	16.480979000
6	136.020414000	5.688561000	9.975879000	6	135.021826000	7.541723000	18.573150000
6	135.874621000	7.123872000	10.451165000	1	134.334635000	5.540388000	19.097553000
6	136.760885000	8.099729000	9.651392000	1	134.239946000	8.076327000	19.122958000
1	133.574948000	3.022456000	8.398364000	1	135.914550000	7.502074000	19.204439000
1	133.901021000	0.603452000	8.044767000	1	135.256215000	8.119177000	17.675499000
1	132.215219000	4.466449000	11.651132000	7	132.604277000	4.979879000	17.288141000
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1	133.453828000	-1.012047000	9.881515000	6	130.505368000	5.615734000	16.023303000
1	132.610087000	-0.181757000	12.072649000	8	129.908817000	5.660052000	14.948053000
1	132.262491000	2.246665000	12.425096000	1	132.945869000	4.201411000	17.837083000
1	136.447727000	8.040212000	8.599465000	1	132.215858000	4.674239000	15.228769000
1	136.576198000	9.117060000	10.005155000	7	130.164250000	6.380749000	17.089436000
1	134.335830000	8.563211000	10.590746000	6	129.145461000	7.412378000	16.974918000
1	135.801608000	4.439038000	7.480590000	6	129.432081000	8.499018000	15.922745000
1	138.273158000	6.936538000	9.452234000	8	128.497986000	9.173513000	15.484739000
8	128.550499000	7.103516000	3.826396000	1	130.742528000	6.329752000	17.916241000
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1	135.172975000	1.499686000	13.067540000	6	131.055788000	9.554798000	14.431893000
1	138.323716000	3.041745000	9.740364000	6	130.352208000	9.219257000	13.110458000
1	135.304470000	5.213270000	17.483023000	8	130.280004000	10.101459000	12.238174000
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1	129.570438000	13.486460000	11.572282000	6	133.345130000	10.327694000	15.353619000
1	124.754062000	9.903267000	6.089879000	16	132.751076000	11.996569000	15.838562000
1	132.451975000	17.799055000	4.482411000	6	132.960808000	12.912123000	14.269507000
1	137.027803000	16.247452000	4.376493000	1	131.444504000	8.030938000	15.881272000
1	141.492737000	14.154702000	9.367635000	1	130.683845000	10.550503000	14.696503000
1	140.374577000	3.975789000	5.910695000	1	132.987594000	8.631586000	14.081406000
1	135.931494000	9.909379000	5.996250000	1	132.739352000	10.169722000	13.273207000
1	130.106820000	5.608754000	4.450792000	1	134.403261000	10.393814000	15.076483000
1	134.535427000	-0.344298000	4.402036000	1	133.291967000	9.733616000	16.271028000
1	140.031711000	6.644441000	6.252549000	1	132.676105000	13.947580000	14.475075000
1	133.254784000	9.610931000	5.552407000	1	132.313581000	12.519228000	13.480141000
1	130.436868000	2.917417000	4.230493000	1	134.004033000	12.896477000	13.941012000
1	137.204135000	-0.052342000	4.796242000	7	129.793926000	8.004304000	12.971434000
1	138.090266000	17.018370000	9.926330000	6	129.026934000	7.652840000	11.783316000
1	131.044261000	3.468387000	16.375584000	6	127.899934000	8.655544000	11.515655000
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				1	129.686938000	7.700999000	10.914456000
				1	127.989750000	5.939454000	10.967673000
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				1	129.279430000	5.529610000	12.114184000
				7	127.327575000	9.299749000	12.550534000
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6	136.505101000	2.411992000	13.815570000				
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6	135.397781000	2.132642000	16.075479000				
1	135.892895000	3.279410000	13.536245000				
1	137.391804000	1.525457000	15.537280000				

8	125.935785000	12.239635000	10.943274000	1	135.244011000	11.576887000	7.447275000
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1	125.510770000	9.840137000	11.652568000	16	135.020652000	4.947043000	2.454053000
7	128.045547000	11.915736000	11.740150000	1	134.576912000	6.222499000	2.403877000
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1	134.404942000	13.675135000	10.930879000	6	137.437477000	13.600258000	12.096146000
7	128.859122000	9.451758000	7.808201000	6	136.225780000	15.673706000	12.270712000
6	128.260114000	8.421011000	6.966578000	6	137.339182000	13.423615000	13.478620000
6	126.778542000	8.644121000	6.622834000	6	136.123513000	15.500354000	13.653337000
8	126.328303000	8.195635000	5.558272000	6	136.681582000	14.374627000	14.263640000
6	128.464666000	6.996153000	7.533797000	1	139.953290000	14.756105000	10.652230000
8	127.569729000	6.649089000	8.563390000	1	138.268941000	15.853661000	8.484553000
1	128.576124000	9.522556000	8.779374000	1	136.213071000	15.578546000	9.595033000
1	128.794930000	8.470643000	6.016596000	1	136.947199000	13.992529000	9.439101000
1	129.518372000	6.912559000	7.846588000	1	137.945247000	12.851888000	11.491959000
1	128.294337000	6.280309000	6.726489000	1	135.793382000	16.556741000	11.804657000
1	127.558771000	7.375674000	9.228290000	1	137.776618000	12.543175000	13.942660000
7	126.016196000	9.316636000	7.509000000	1	135.607656000	16.245322000	14.253672000
6	124.587706000	9.527807000	7.318272000	1	136.601882000	14.237842000	15.338531000
6	124.128279000	10.725413000	8.142943000	7	136.661459000	5.103878000	5.057921000
8	124.342150000	10.447374000	9.519082000	7	134.184630000	6.516857000	4.954890000
1	126.359628000	9.500437000	8.445081000	7	135.295740000	2.706410000	4.312250000
1	124.024328000	8.635018000	7.623023000	6	137.720570000	2.923745000	4.660719000
1	124.682367000	11.620801000	7.827817000	6	136.387524000	7.516689000	5.406641000
1	123.059671000	10.903805000	7.944745000	6	131.746232000	6.286246000	4.717632000
1	124.720036000	11.232752000	9.963261000	6	133.086100000	1.704218000	3.917845000
7	133.215252000	16.094518000	4.797696000	6	137.751695000	4.272816000	4.982517000
6	133.816557000	16.534076000	6.078743000	6	135.010290000	7.576709000	5.244303000
6	135.234650000	15.963306000	6.304415000	6	131.715017000	4.920937000	4.476444000
8	135.841971000	16.214525000	7.351412000	6	134.470171000	1.651203000	4.013532000
6	132.834401000	16.066251000	7.179229000	8	134.529372000	4.242590000	6.476776000
6	132.068483000	14.916361000	6.506423000	6	138.956874000	5.020314000	5.241925000
6	131.923002000	15.422359000	5.067583000	6	134.228677000	8.779322000	5.390951000
1	133.941207000	17.624133000	6.115739000	6	130.506612000	4.185050000	4.185642000
1	132.141960000	16.878738000	7.429514000	6	135.251999000	0.454475000	3.835546000
1	133.361704000	15.783267000	8.093489000	6	138.583431000	6.313955000	5.447170000
1	132.670729000	13.999860000	6.519907000	6	132.922702000	8.435487000	5.207917000
1	131.110065000	14.697418000	6.985051000	6	130.884199000	2.896276000	3.963308000
1	131.750148000	14.616034000	4.346269000	6	136.555200000	0.797276000	4.042129000
1	131.073786000	16.120997000	4.998631000	6	137.148550000	6.360037000	5.316182000
7	135.711979000	15.216789000	5.289408000	6	132.903477000	7.017989000	4.943167000
6	137.047729000	14.638801000	5.231751000	6	132.319635000	2.842240000	4.113637000
6	137.070409000	13.144389000	4.839808000	6	136.573640000	2.205384000	4.349155000
6	136.760881000	12.187408000	6.010525000	7	132.801648000	4.083773000	4.442114000
6	138.449925000	12.799835000	4.252992000	26	134.722988000	4.593757000	4.727710000
6	135.409244000	12.372050000	6.709581000	1	138.665979000	2.391186000	4.638607000
1	135.062185000	15.110463000	4.513955000	1	136.907936000	8.446838000	5.613366000
1	137.518704000	14.781913000	6.207273000	1	130.795742000	6.811130000	4.713813000
1	136.313091000	12.989950000	4.053475000	1	132.566446000	0.785966000	3.663453000
1	137.567373000	12.286324000	6.747847000	6	133.027852000	6.944480000	10.421013000
1	136.821427000	11.160408000	5.619142000	7	134.148639000	7.680899000	10.164934000
1	138.674023000	13.407141000	3.367583000	8	131.885732000	7.383830000	10.466012000
1	138.498265000	11.745566000	3.956183000	16	135.998621000	6.461785000	11.899653000
1	139.234617000	12.978046000	4.998015000	6	133.369922000	5.469930000	10.674047000

7	133.941767000	10.523267000	10.071236000	1	140.453230000	9.299728000	11.454113000
6	134.647266000	11.456852000	10.684402000	1	140.190373000	8.614365000	9.845966000
7	134.082986000	12.679869000	10.524175000	1	143.184074000	9.181014000	8.881205000
1	129.772656000	10.829846000	10.250342000	1	142.909867000	10.780138000	8.180461000
1	130.828400000	12.089575000	7.802235000	1	141.760781000	9.469167000	7.867206000
1	132.345405000	10.073610000	7.727801000	7	139.567336000	14.632609000	9.753073000
1	131.628157000	9.473970000	9.211339000	6	138.406056000	15.494597000	9.561248000
1	132.303480000	8.594873000	9.489102000	6	137.065060000	14.838198000	9.958430000
1	135.554919000	11.305701000	11.250787000	6	136.904495000	14.597845000	11.442622000
1	134.457848000	13.548245000	10.883886000	6	137.434782000	13.451964000	12.062191000
7	128.775406000	9.572755000	7.692297000	6	136.235157000	15.531109000	12.252226000
6	128.123900000	8.594873000	6.827060000	6	137.308802000	13.250599000	13.438933000
6	126.649751000	8.891899000	6.507856000	6	136.105394000	15.333117000	13.629243000
8	126.169492000	8.500175000	5.434087000	6	136.643304000	14.191962000	14.228892000
6	128.269207000	7.145935000	7.350171000	1	140.003339000	14.608683000	10.663688000
8	127.369446000	6.809909000	8.392447000	1	138.347289000	15.756847000	8.503994000
1	128.508315000	9.623051000	8.669220000	1	136.273521000	15.491231000	9.578567000
1	128.650915000	8.649656000	5.873167000	1	136.985275000	13.896933000	9.403078000
1	129.320917000	7.003219000	7.646942000	1	137.949152000	12.711327000	11.454080000
1	128.056903000	6.462389000	6.525341000	1	135.817963000	16.425716000	11.795022000
1	127.406387000	7.512362000	9.069124000	1	137.730419000	12.358231000	13.895022000
7	125.924869000	9.562946000	7.425890000	1	135.583653000	16.070804000	14.233444000
6	124.501641000	9.827180000	7.263629000	1	136.542027000	14.035939000	15.299337000
6	124.088844000	10.988834000	8.161108000	7	136.341620000	4.990680000	5.142717000
8	124.316118000	10.628488000	9.515718000	7	133.951339000	6.543502000	4.934117000
1	126.283963000	9.696025000	8.364581000	7	134.821596000	2.633835000	4.588537000
1	123.914419000	8.935500000	7.523315000	6	137.265610000	2.733681000	4.852904000
1	124.663324000	11.884990000	7.887087000	6	136.208457000	7.430856000	5.360450000
1	123.022915000	11.207441000	7.990576000	6	131.507911000	6.451594000	4.674161000
1	124.721326000	11.378749000	9.995226000	6	132.548769000	1.736229000	4.339028000
7	133.300606000	16.146939000	4.822077000	6	137.382389000	4.095882000	5.091233000
6	133.915859000	16.572323000	6.101305000	6	134.839152000	7.564746000	5.177250000
6	135.325283000	15.976625000	6.317327000	6	131.390476000	5.074624000	4.564161000
8	135.943523000	16.214544000	7.360958000	6	133.929628000	1.607422000	4.407375000
6	132.931776000	16.117517000	7.205538000	8	134.194173000	4.381083000	6.638183000
6	132.146117000	14.980237000	6.534092000	6	138.631906000	4.786041000	5.291701000
6	132.000737000	15.491422000	5.097029000	6	134.134643000	8.821440000	5.235253000
1	134.059190000	17.659949000	6.140822000	6	130.138033000	4.392326000	4.335793000
1	132.252662000	16.939950000	7.459907000	6	134.636608000	0.356544000	4.306257000
1	133.458508000	15.825369000	8.117217000	6	138.334541000	6.107516000	5.441806000
1	132.735319000	14.055269000	6.542945000	6	132.813203000	8.551301000	5.041258000
1	131.186572000	14.773739000	7.016147000	6	130.429931000	3.065147000	4.261344000
1	131.813341000	14.689153000	4.374832000	6	135.963295000	0.639358000	4.436886000
1	131.160844000	16.201674000	5.033712000	6	136.902739000	6.228604000	5.329511000
7	135.783277000	15.223998000	5.297786000	6	132.706881000	7.123761000	4.863883000
6	137.107702000	14.621492000	5.232895000	6	131.857987000	2.933682000	4.430254000
6	137.101964000	13.137190000	4.804238000	6	136.070840000	2.064045000	4.626270000
6	136.761739000	12.158372000	5.948145000	7	132.420232000	4.169534000	4.633576000
6	138.478970000	12.778058000	4.220310000	26	134.365308000	4.578289000	4.857932000
6	135.404839000	12.349789000	6.635173000	1	138.178107000	2.146237000	4.843384000
1	135.128420000	15.133518000	4.524570000	1	136.782525000	8.339248000	5.516255000
1	137.575690000	14.730700000	6.214307000	1	130.594430000	7.033821000	4.604422000
1	136.348618000	13.018599000	4.007851000	1	131.968925000	0.832774000	4.179655000
1	137.561073000	12.225095000	6.696773000	6	132.988970000	6.923022000	10.372908000
1	136.808838000	11.139808000	5.533264000	7	134.126515000	7.603431000	10.038952000
1	138.724538000	13.403550000	3.353469000	8	131.857226000	7.386333000	10.345298000
1	138.507147000	11.731177000	3.895965000	16	135.930182000	6.561442000	11.949061000
1	139.260632000	12.918902000	4.976488000	6	133.293324000	5.501845000	10.848430000
1	135.216811000	11.540780000	7.351724000	7	134.239605000	4.841245000	9.987136000
1	134.579611000	12.349884000	5.911394000	8	136.162618000	5.081942000	8.751861000
1	135.361963000	13.292858000	7.187755000	16	134.042985000	5.841559000	12.594569000
16	134.680502000	4.730327000	2.568010000	6	132.092710000	4.546127000	10.945740000
1	134.470927000	6.059035000	2.438074000	8	137.768894000	7.188106000	9.631538000
6	141.072763000	12.763612000	9.241724000	6	132.720089000	3.215417000	10.642952000
6	139.943105000	13.700824000	8.828220000	6	133.858164000	3.424855000	9.676294000
8	139.389476000	13.594996000	7.734342000	6	134.927982000	2.376124000	9.772180000
6	140.523465000	11.360313000	9.569920000	6	134.653005000	1.178624000	10.374551000
6	141.597333000	10.297487000	9.878541000	6	133.432131000	0.945678000	11.064024000
6	140.948328000	9.053459000	10.506615000	6	132.512738000	2.010609000	11.250091000
6	142.409739000	9.915809000	8.631549000	6	135.308449000	5.527331000	9.527572000
1	141.763015000	12.709905000	8.394020000	6	135.384174000	6.946526000	10.111618000
1	139.851377000	11.443407000	10.436662000	6	136.499438000	7.774848000	9.459182000
1	139.905224000	11.022608000	8.727979000	1	133.503839000	3.452968000	8.625814000
1	142.292508000	10.724449000	10.618827000	1	135.860539000	2.541935000	9.247378000
1	141.698628000	8.281217000	10.715253000	1	131.589746000	4.593127000	11.916168000

1	131.367977000	4.862938000	10.181843000	6	129.323946000	5.403055000	17.536991000
1	135.398631000	0.388685000	10.334257000	6	128.635216000	6.626823000	16.926279000
1	133.242849000	-0.019595000	11.522770000	8	128.337322000	6.635862000	15.733927000
1	131.672418000	1.883465000	11.929622000	1	130.033845000	5.012921000	19.503300000
1	136.235347000	7.890126000	8.398007000	1	129.947997000	4.984674000	16.740800000
1	136.526260000	8.766216000	9.918005000	7	128.375587000	7.667228000	17.757668000
1	134.085533000	8.645395000	10.002032000	6	127.809941000	8.904454000	17.246659000
1	135.075665000	4.510096000	7.041406000	6	128.641402000	9.601430000	16.157735000
1	137.730675000	6.353453000	9.126098000	8	128.086718000	10.402851000	15.401683000
8	128.056613000	7.036513000	3.962340000	1	128.691123000	7.610097000	18.715467000
1	127.313663000	7.501248000	4.414699000	1	126.827419000	8.723262000	16.802490000
1	128.235236000	7.576347000	3.178302000	7	129.956343000	9.291792000	16.077018000
1	136.241043000	1.914882000	13.188820000	6	130.780996000	9.858225000	15.014218000
1	139.807278000	4.957247000	11.477212000	6	130.271334000	9.502825000	13.609337000
1	135.377759000	5.355164000	17.651598000	8	130.579315000	10.234994000	12.655928000
1	128.944174000	7.398786000	17.653349000	6	132.253250000	9.440398000	15.154900000
1	129.357643000	13.580610000	11.737740000	6	132.960775000	9.971468000	16.411906000
1	124.309401000	10.056412000	6.211912000	16	132.928067000	11.789042000	16.661385000
1	133.197499000	16.926551000	4.180546000	6	133.986998000	12.350117000	15.281289000
1	137.717190000	15.193729000	4.517837000	1	130.356618000	8.574219000	16.677403000
1	141.631564000	13.160014000	10.100020000	1	130.718201000	10.949467000	15.069804000
1	139.602960000	4.307360000	5.299625000	1	132.324099000	8.344298000	15.163407000
1	134.607151000	9.779317000	5.411269000	1	132.771360000	9.780839000	14.252492000
1	129.188517000	4.903515000	4.229020000	1	134.004642000	9.636856000	16.402241000
1	134.163395000	-0.605602000	4.156978000	1	132.506151000	9.551906000	17.313965000
1	139.011011000	6.938565000	5.596764000	1	134.082076000	13.434858000	15.375933000
1	131.971408000	9.232710000	5.055932000	1	133.545349000	12.121889000	14.307469000
1	129.756677000	2.234863000	4.088610000	1	134.986748000	11.909379000	15.348253000
1	136.804188000	-0.042391000	4.414811000	7	129.492576000	8.412062000	13.468698000
1	138.567373000	16.413588000	10.134805000	6	128.929224000	8.061468000	12.168934000
1	131.449580000	3.374809000	15.986368000	6	128.045640000	9.181307000	11.603004000
TS3B:				8	127.874878000	9.263300000	10.372201000
6	138.617314000	3.935489000	13.640907000	6	128.160988000	6.735767000	12.251086000
6	139.855631000	3.707973000	12.774008000	1	129.231229000	7.852438000	14.277032000
8	140.696277000	2.853578000	13.059209000	1	129.748865000	7.943918000	11.455614000
6	138.894429000	3.747531000	15.142379000	1	127.806119000	6.456147000	11.255679000
6	139.851767000	4.822020000	15.678067000	1	127.310002000	6.804378000	12.936510000
6	137.581855000	3.727709000	15.937742000	1	128.832683000	5.949403000	12.608703000
1	138.187862000	4.928010000	13.449851000	7	127.460842000	10.053755000	12.444850000
1	139.388392000	2.774251000	15.250187000	6	126.697603000	11.171030000	11.907466000
1	140.059918000	4.666973000	16.743748000	6	127.541342000	12.254998000	11.213351000
1	139.421134000	5.826871000	15.566132000	8	127.020125000	13.007220000	10.385146000
1	140.807407000	4.797741000	15.144417000	1	127.658129000	10.024310000	13.444221000
1	137.771207000	3.561640000	17.005528000	1	126.145827000	11.635957000	12.729873000
1	137.044794000	4.680923000	15.839364000	1	125.981049000	10.813214000	11.164755000
1	136.912271000	2.932522000	15.587532000	7	128.835868000	12.359036000	11.596816000
7	139.941167000	4.497716000	11.666608000	6	129.753182000	13.278322000	10.951487000
6	141.002393000	4.342645000	10.683117000	6	130.620230000	12.707215000	9.816163000
6	140.495552000	4.099533000	9.253553000	8	131.202752000	13.484681000	9.064707000
6	139.612294000	2.882336000	9.033532000	1	129.225543000	11.674711000	12.238144000
6	139.653889000	1.749173000	9.855382000	1	129.175191000	14.096203000	10.518988000
6	138.732025000	2.863952000	7.939825000	7	130.703834000	11.348045000	9.721803000
6	138.845886000	0.640154000	9.591965000	6	131.551648000	10.720173000	8.715120000
6	137.924214000	1.764436000	7.659123000	6	130.795160000	9.905543000	7.645609000
6	137.979371000	0.645706000	8.496234000	8	131.357628000	9.656271000	6.578952000
8	137.151402000	-0.411308000	8.203045000	6	132.592599000	9.770969000	9.341938000
1	139.169441000	5.122126000	11.451744000	6	133.540355000	10.407839000	10.313672000
1	141.626981000	3.518719000	11.034743000	6	133.903357000	11.723194000	10.474313000
1	141.385080000	4.034964000	8.608003000	7	134.237964000	9.621830000	11.218332000
1	139.956924000	4.994367000	8.910833000	6	135.007594000	10.449336000	11.902849000
1	140.299793000	1.723222000	10.728365000	7	134.834716000	11.732192000	11.493880000
1	138.676440000	3.728680000	7.282286000	1	130.446096000	10.802956000	10.539533000
1	138.886809000	-0.226084000	10.251232000	1	132.048573000	11.530032000	8.177541000
1	137.236773000	1.779208000	6.818455000	1	133.150626000	9.317635000	8.513090000
1	137.288113000	-1.103801000	8.868200000	1	132.071004000	8.950011000	9.847909000
6	132.117237000	6.475113000	19.914598000	1	133.579555000	12.625938000	9.978082000
6	131.218961000	6.472361000	18.687314000	1	135.697892000	10.173777000	12.688146000
8	131.447310000	7.177031000	17.702774000	1	135.342368000	12.539071000	11.838960000
6	133.589894000	6.256810000	19.536822000	7	129.568990000	9.427971000	7.981784000
1	132.005164000	7.457391000	20.391905000	6	128.883259000	8.452473000	7.139671000
1	133.904556000	6.996704000	18.796474000	6	127.528096000	8.916938000	6.583572000
1	134.226491000	6.354238000	20.421119000	8	127.127878000	8.467098000	5.500314000
1	133.748537000	5.260222000	19.111384000	6	128.729230000	7.072949000	7.826817000
7	130.108189000	5.670189000	18.738702000	8	127.644234000	6.984743000	8.732771000
				1	129.199525000	9.627551000	8.904875000

1	129.527517000	8.309255000	6.270585000	1	136.450081000	13.671948000	9.843441000
1	129.690110000	6.838593000	8.313261000	1	137.936013000	12.686385000	11.740297000
1	128.545919000	6.328035000	7.049084000	1	135.997309000	16.502582000	12.097182000
1	127.712618000	7.727140000	9.362971000	1	138.309559000	12.643379000	14.187606000
7	126.813215000	9.798238000	7.313009000	1	136.365936000	16.464478000	14.543666000
6	125.489630000	10.256543000	6.914922000	1	137.526265000	14.534065000	15.604860000
6	125.197007000	11.614499000	7.543237000	7	136.955070000	3.979002000	4.171139000
8	125.182664000	11.481851000	8.957701000	7	134.714036000	5.591147000	4.764252000
1	127.077928000	10.002759000	8.269739000	7	135.201675000	1.738702000	3.654629000
1	124.723025000	9.534969000	7.229852000	6	137.651960000	1.717273000	3.522748000
1	125.958005000	12.338605000	7.220603000	6	137.040951000	6.347301000	4.784817000
1	124.219461000	11.969583000	7.181511000	6	132.262538000	5.614397000	4.900074000
1	125.701875000	12.204358000	9.365168000	6	132.868365000	1.007001000	3.567167000
7	132.799851000	16.774227000	5.243973000	6	137.906105000	3.044238000	3.852774000
6	133.402975000	16.889422000	6.590934000	6	135.677663000	6.550087000	4.955420000
6	134.688349000	16.054743000	6.741336000	6	132.010779000	4.304434000	4.502242000
8	135.398229000	16.182279000	7.745631000	6	134.237805000	0.787374000	3.452009000
6	132.287201000	16.431011000	7.575471000	8	135.086558000	3.147417000	6.024826000
6	131.231273000	15.770975000	6.672867000	6	139.223718000	3.632692000	3.906180000
6	131.345233000	16.579165000	5.378953000	6	135.071192000	7.799836000	5.353682000
1	133.705044000	17.918562000	6.828279000	6	130.682251000	3.746586000	4.359805000
1	131.861409000	17.308718000	8.075588000	6	134.842741000	-0.472623000	3.086626000
1	132.660544000	15.758853000	8.350383000	6	139.055362000	4.938607000	4.254912000
1	131.485234000	14.722071000	6.492560000	6	133.726639000	7.589145000	5.396931000
1	130.228145000	15.797251000	7.107105000	6	130.851065000	2.447109000	3.993049000
1	130.947339000	16.054445000	4.502782000	6	136.188262000	-0.268324000	3.073748000
1	130.798187000	17.533306000	5.476835000	6	137.635136000	5.141965000	4.418369000
7	134.942328000	15.210320000	5.722542000	6	133.518849000	6.207986000	5.017262000
6	136.135586000	14.377603000	5.642082000	6	132.276205000	2.217718000	3.908540000
6	135.985053000	13.160025000	4.710811000	6	136.401232000	1.116055000	3.429733000
6	135.094026000	12.033956000	5.279541000	7	132.963206000	3.363214000	4.211947000
6	137.389327000	12.610237000	4.403659000	26	134.954768000	3.660057000	4.209585000
6	133.598614000	12.345829000	5.423119000	1	138.513814000	1.092008000	3.307454000
1	134.282556000	15.266444000	4.951755000	1	137.697019000	7.196224000	4.954494000
1	136.397757000	14.044494000	6.650276000	1	131.392851000	6.234567000	5.100467000
1	135.538858000	13.503844000	3.762281000	1	132.208975000	0.168701000	3.360792000
1	135.504899000	11.729138000	6.253110000	6	132.621875000	6.186222000	10.558084000
1	135.199999000	11.163342000	4.617019000	7	133.856173000	6.738821000	10.734815000
1	138.015505000	13.364477000	3.911475000	8	131.556516000	6.787651000	10.635453000
1	137.332083000	11.738485000	3.741810000	16	135.158527000	4.643028000	12.068854000
1	137.891855000	12.307559000	5.330255000	6	132.708098000	4.682654000	10.274576000
1	133.038084000	11.447295000	5.703709000	7	133.735455000	4.390341000	9.302517000
1	133.178630000	12.708901000	4.475392000	8	135.874437000	4.859851000	8.604727000
1	133.411905000	13.111466000	6.182299000	16	133.147543000	3.955049000	11.991291000
16	134.882462000	4.304178000	1.943531000	6	131.433585000	4.027078000	9.710650000
1	134.096588000	3.302680000	1.486667000	8	137.470367000	5.959789000	10.541565000
6	140.256984000	12.068589000	8.905152000	6	131.985964000	2.932408000	8.841360000
6	139.065793000	13.003969000	8.718598000	6	133.331461000	3.362376000	8.316093000
8	138.136136000	12.714806000	7.965682000	6	134.286210000	2.232181000	8.055426000
6	139.813191000	10.739934000	9.545769000	6	133.753757000	0.974207000	7.806242000
6	140.930665000	9.689711000	9.704026000	6	132.390388000	0.718108000	7.974749000
6	140.452735000	8.533292000	10.596399000	6	131.524408000	1.683369000	8.591175000
6	141.428821000	9.158950000	8.350944000	6	134.935113000	5.008815000	9.389970000
1	140.672977000	11.884149000	7.908802000	6	135.021674000	5.916869000	10.626840000
1	139.392181000	10.955827000	10.539141000	6	136.307506000	6.759883000	10.600657000
1	138.993774000	10.324612000	8.945543000	1	133.196014000	3.874275000	7.345214000
1	141.779369000	10.174166000	10.212315000	1	135.347875000	2.381812000	8.171966000
1	141.249047000	7.794185000	10.744717000	1	130.756548000	3.670690000	10.491411000
1	140.147867000	8.894162000	11.586573000	1	130.893388000	4.794818000	9.138838000
1	139.594217000	8.011497000	10.154137000	1	134.429923000	0.170762000	7.531082000
1	142.224283000	8.417649000	8.491186000	1	132.002440000	-0.275848000	7.772064000
1	141.831845000	9.954831000	7.714957000	1	130.538427000	1.375166000	8.929809000
1	140.613117000	8.672639000	7.800243000	1	136.233798000	7.433987000	9.735946000
7	139.083150000	14.153412000	9.452800000	1	136.366494000	7.367917000	11.505923000
6	137.978633000	15.109689000	9.436865000	1	133.948094000	7.729327000	11.034865000
6	136.737621000	14.653984000	10.236162000	1	135.605026000	3.836856000	6.478619000
6	136.941112000	14.601407000	11.734010000	1	137.362731000	5.410726000	9.735793000
6	137.589033000	13.515770000	12.352238000	8	128.939106000	6.585476000	4.480393000
6	136.504777000	15.655760000	12.553463000	1	128.223425000	7.205340000	4.755220000
6	137.798885000	13.490006000	13.734842000	1	129.307542000	6.979703000	3.675767000
6	136.712373000	15.634251000	13.933453000	1	137.863968000	3.205281000	13.313314000
6	137.361895000	14.550626000	14.530819000	1	141.634150000	5.242209000	10.674395000
1	139.838348000	14.296286000	10.106912000	1	131.787181000	5.726599000	20.644872000
1	137.659384000	15.272749000	8.406211000	1	127.675621000	9.596684000	18.082863000
1	135.930898000	15.346794000	9.978018000	1	130.429337000	13.703354000	11.701653000

1	125.462063000	10.315087000	5.823632000	16	132.499736000	11.752989000	16.506026000
1	133.028301000	17.572137000	4.658383000	6	133.282044000	12.470631000	15.017576000
1	136.977813000	14.993187000	5.289279000	1	130.261747000	8.294692000	16.560684000
1	141.047502000	12.535505000	9.507969000	1	130.331397000	10.741501000	15.027655000
1	140.145068000	3.103367000	3.698602000	1	132.165296000	8.291517000	14.963879000
1	135.615730000	8.712510000	5.562091000	1	132.430954000	9.770308000	14.053026000
1	129.770732000	4.314161000	4.503606000	1	133.793956000	9.742238000	16.112521000
1	134.295450000	-1.381487000	2.869891000	1	132.377068000	9.473074000	17.117924000
1	139.809212000	5.704250000	4.389061000	1	133.235189000	13.556379000	15.136807000
1	132.937406000	8.286726000	5.651585000	1	132.749644000	12.196021000	14.102740000
1	130.093801000	1.700895000	3.786385000	1	134.333229000	12.176997000	14.939156000
1	136.976339000	-0.975076000	2.846197000	7	129.224167000	8.187134000	13.386767000
1	138.357958000	16.059340000	9.827440000	6	128.622294000	7.843726000	12.103352000
1	128.556910000	4.663904000	17.787706000	6	127.655446000	8.929977000	11.613919000
2PrB:				8	127.433137000	9.046951000	10.394385000
6	139.242797000	4.902213000	13.183042000	6	127.929799000	6.476645000	12.180820000
6	140.023250000	4.303258000	12.010496000	1	129.054741000	7.574226000	14.181022000
8	140.965062000	3.528797000	12.191099000	1	129.414480000	7.791769000	11.352626000
6	140.121889000	5.167189000	14.417220000	1	127.548533000	6.201913000	11.193853000
6	141.161901000	6.263108000	14.144382000	1	127.106444000	6.482040000	12.902390000
6	139.256842000	5.513393000	15.636905000	1	128.657647000	5.720698000	12.490745000
1	138.726275000	5.821684000	12.874144000	7	127.054662000	9.732744000	12.512071000
1	140.662998000	4.235285000	14.621183000	6	126.198259000	10.816388000	12.051722000
1	141.798122000	6.428428000	15.022313000	6	126.935706000	11.973026000	11.353911000
1	140.676153000	7.218338000	13.900880000	8	126.323930000	12.716989000	10.582317000
1	141.811587000	5.986556000	13.307920000	1	127.292843000	9.673439000	13.501272000
1	139.877170000	5.666270000	16.528420000	1	125.661336000	11.219094000	12.915675000
1	138.685158000	6.436562000	15.469473000	1	125.467827000	10.437105000	11.333433000
1	138.538978000	4.714376000	15.860124000	7	128.241039000	12.144513000	11.670832000
7	139.575487000	4.663395000	10.777587000	6	129.067004000	13.135632000	11.007949000
6	140.160946000	4.171730000	9.537430000	6	129.959204000	12.636850000	9.857389000
6	139.186550000	3.389403000	8.643908000	8	130.457200000	13.460057000	9.094177000
6	138.670434000	2.055366000	9.158512000	1	128.701757000	11.470251000	12.274718000
6	139.236063000	1.370685000	10.239425000	1	128.412515000	13.899628000	10.586116000
6	137.590746000	1.449803000	8.491768000	7	130.160481000	11.290042000	9.766228000
6	138.741925000	0.125554000	10.640538000	6	131.040649000	10.726592000	8.749688000
6	137.092963000	0.209161000	8.879435000	6	130.332663000	9.865649000	7.681475000
6	137.672452000	-0.460667000	9.962881000	8	130.925779000	9.617120000	6.632948000
8	137.148307000	-1.679276000	10.313572000	6	132.154622000	9.862308000	9.371784000
1	138.798923000	5.313779000	10.706143000	6	133.113637000	10.595734000	10.262139000
1	141.024331000	3.564945000	9.818119000	6	133.380067000	11.939182000	10.375350000
1	139.691439000	3.234930000	7.678846000	7	133.945244000	9.886893000	11.117323000
1	138.325843000	4.030826000	8.406633000	6	134.698910000	10.786586000	11.723993000
1	140.060635000	1.801230000	10.799728000	7	134.388958000	12.042242000	11.313565000
1	137.131589000	1.957840000	7.645613000	1	129.963168000	10.724501000	10.587399000
1	139.195381000	-0.385719000	11.488961000	1	131.472724000	11.568828000	8.204862000
1	136.261748000	-0.253093000	8.355282000	1	132.700796000	9.396455000	8.542404000
1	137.657538000	-2.028031000	11.061617000	1	131.700910000	9.043194000	9.943082000
6	132.369689000	6.110728000	19.629590000	1	132.942059000	12.802445000	9.896925000
6	131.395542000	6.181894000	18.461640000	1	135.471973000	10.588073000	12.452620000
8	131.519123000	6.976523000	17.530034000	1	134.862002000	12.887968000	11.607221000
6	133.065040000	7.444125000	19.911496000	7	129.107496000	9.368569000	7.994694000
1	131.851697000	5.740203000	20.523574000	6	128.450997000	8.396731000	7.125334000
1	132.345834000	8.212064000	20.215476000	6	127.064165000	8.818919000	6.614587000
1	133.796761000	7.327203000	20.716401000	8	126.684425000	8.430196000	5.500550000
1	133.584496000	7.803570000	19.019841000	6	128.385447000	6.979498000	7.743444000
7	130.346763000	5.295675000	18.502706000	8	127.358407000	6.799383000	8.700882000
6	129.554923000	5.019049000	17.307939000	1	128.711060000	9.576298000	8.904062000
6	128.723588000	6.196894000	16.792204000	1	129.083624000	8.324019000	6.239167000
8	128.361275000	6.226948000	15.617861000	1	129.382589000	6.757820000	8.159816000
1	130.361483000	4.587421000	19.224911000	1	128.190140000	6.268023000	6.937263000
1	130.190619000	4.714421000	16.470098000	1	127.399166000	7.537832000	9.338257000
7	128.419844000	7.173054000	17.683480000	7	126.298238000	9.594560000	7.410258000
6	127.728863000	8.379486000	17.261195000	6	124.949036000	10.000758000	7.039875000
6	128.441017000	9.187732000	16.164257000	6	124.585753000	11.309934000	7.730682000
8	127.783773000	9.968965000	15.472278000	8	124.579304000	11.109638000	9.137062000
1	128.797933000	7.104445000	18.617670000	1	126.548237000	9.741597000	8.381788000
1	126.741044000	8.137029000	16.860109000	1	124.224207000	9.225005000	7.323255000
7	129.770565000	8.990229000	16.003359000	1	125.307950000	12.087185000	7.444368000
6	130.487150000	9.662926000	14.925173000	1	123.590968000	11.629908000	7.382864000
6	129.938453000	9.318458000	13.533448000	1	125.042249000	11.851551000	9.576139000
8	130.152619000	10.106137000	12.597612000	7	133.427592000	16.495203000	5.290042000
6	131.995862000	9.376621000	14.977050000	6	133.958668000	16.539032000	6.672572000
6	132.722787000	9.957520000	16.200026000	6	135.312434000	15.811563000	6.818707000
				8	135.894108000	15.805384000	7.909902000

6	132.864071000	15.881049000	7.551878000	8	134.940254000	3.257191000	6.559632000
6	132.043406000	15.055389000	6.549735000	6	139.064806000	3.792965000	4.495059000
6	132.051804000	15.953128000	5.309686000	6	134.888061000	8.002962000	5.667283000
1	134.149308000	17.566805000	7.007957000	6	130.538679000	4.109402000	4.108435000
1	132.232096000	16.656971000	7.999710000	6	134.709362000	-0.137698000	3.024300000
1	133.294375000	15.294769000	8.366919000	6	138.888921000	5.090921000	4.869825000
1	132.550532000	14.109256000	6.328515000	6	133.540137000	7.828577000	5.575831000
1	131.041442000	14.820326000	6.914426000	6	130.720104000	2.829418000	3.682194000
1	131.841090000	15.409028000	4.381973000	6	136.052708000	0.023138000	3.181473000
1	131.293223000	16.746879000	5.412314000	6	137.465937000	5.323410000	4.903417000
7	135.758049000	15.215445000	5.696105000	6	133.333621000	6.467439000	5.134881000
6	137.029754000	14.517787000	5.565529000	6	132.138081000	2.565546000	3.728643000
6	136.917396000	13.115490000	4.926139000	6	136.261130000	1.375793000	3.638586000
6	136.472782000	12.012842000	5.910248000	7	132.815726000	3.673802000	4.183613000
6	138.276351000	12.734358000	4.314115000	26	134.800954000	3.948178000	4.282211000
6	135.115399000	12.209604000	6.595569000	1	138.375064000	1.293451000	3.724941000
1	135.142938000	15.335420000	4.894754000	1	137.523768000	7.361106000	5.498506000
1	137.476508000	14.444416000	6.559633000	1	131.211842000	6.551640000	5.021248000
1	136.176997000	13.173606000	4.111409000	1	132.078073000	0.565622000	3.022040000
1	137.253815000	11.908588000	6.674608000	6	132.572890000	6.337356000	10.666533000
1	136.451045000	11.065367000	5.352204000	7	133.769344000	6.989857000	10.676854000
1	138.586566000	13.452135000	3.544814000	8	131.488261000	6.839595000	10.934369000
1	138.233814000	11.742638000	3.849094000	16	135.437986000	4.987960000	11.703013000
1	139.049690000	12.711715000	5.091365000	6	132.741569000	4.861222000	10.289197000
1	134.847366000	13.119516000	7.178664000	7	133.607577000	4.722014000	9.129589000
1	134.314069000	12.374926000	5.864902000	8	135.641985000	5.313563000	8.233038000
1	135.129540000	13.060148000	7.283945000	16	133.519467000	4.078232000	11.842108000
16	134.948202000	4.657934000	2.161794000	6	131.453309000	4.115470000	9.915827000
1	134.119005000	3.746020000	1.604478000	8	137.363374000	6.586586000	9.891938000
6	140.944095000	12.151802000	9.209084000	6	131.905646000	3.169865000	8.837829000
6	139.831624000	13.156626000	8.931143000	6	133.080578000	3.787269000	8.097921000
8	139.182682000	13.121695000	7.886954000	6	134.073821000	2.737865000	7.568419000
6	140.348590000	10.770133000	9.547722000	6	133.328494000	1.552502000	6.996669000
6	141.381380000	9.641714000	9.740972000	6	132.125175000	1.182817000	7.458866000
6	140.707574000	8.413604000	10.373186000	6	131.458706000	1.950275000	8.518692000
6	142.078820000	9.263540000	8.425208000	6	134.776568000	5.394219000	9.117362000
1	141.548804000	12.089675000	8.299123000	6	134.968034000	6.277047000	10.358538000
1	139.754205000	10.863601000	10.468682000	6	136.150307000	7.247803000	10.180765000
1	139.646453000	10.490168000	8.751742000	1	132.728569000	4.385373000	7.243208000
1	142.150536000	10.001668000	10.442353000	1	134.694434000	2.382432000	8.409867000
1	141.418401000	7.588782000	10.498365000	1	130.989178000	3.617032000	10.771145000
1	140.299614000	8.651608000	11.363628000	1	130.735497000	4.861017000	9.546405000
1	139.876618000	8.048863000	9.756145000	1	133.852804000	0.988717000	6.232707000
1	142.814533000	8.467522000	8.588670000	1	131.634970000	0.293512000	7.073519000
1	142.606658000	10.112291000	7.976122000	1	130.609784000	1.512705000	9.038482000
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6	138.442521000	14.974238000	9.875265000	1	133.819698000	7.983821000	10.977918000
6	137.126325000	14.363104000	10.407508000	1	135.401123000	4.032239000	6.948449000
6	137.135108000	14.078765000	11.893057000	1	137.186689000	6.099105000	9.060139000
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6	136.634992000	15.021258000	12.807718000	1	127.863395000	7.331382000	4.633800000
6	137.713275000	12.644876000	13.783860000	1	129.008665000	7.351180000	3.596808000
6	136.674947000	14.786157000	14.184074000	1	138.457356000	4.177926000	13.442966000
6	137.217180000	13.597345000	14.678187000	1	140.539457000	5.026645000	8.960813000
1	140.090627000	13.978117000	10.789694000	1	133.117646000	5.347059000	19.371285000
1	138.275680000	15.260871000	8.836449000	1	127.585456000	9.021732000	18.134933000
1	136.327125000	15.062907000	10.144642000	1	129.718797000	13.620829000	11.743533000
1	136.938148000	13.446395000	9.837076000	1	124.913111000	10.107603000	5.952737000
1	138.046747000	12.132797000	11.717467000	1	133.472190000	17.403889000	4.839904000
1	136.215267000	15.951712000	12.431410000	1	137.702304000	15.134113000	4.950771000
1	138.139506000	11.717027000	14.157856000	1	141.600461000	12.489741000	10.022277000
1	136.284083000	15.532814000	14.870539000	1	139.991572000	3.250969000	4.353635000
1	137.253700000	13.415330000	15.748866000	1	135.433810000	8.894948000	5.950043000
7	136.787266000	4.179989000	4.556719000	1	129.626187000	4.687488000	4.197117000
7	134.537900000	5.820173000	4.986070000	1	134.168648000	-1.015085000	2.691997000
7	135.055794000	2.022082000	3.772716000	1	139.640902000	5.835024000	5.101122000
6	137.510040000	1.930270000	3.884062000	1	132.745659000	8.537893000	5.776224000
6	136.870770000	6.530733000	5.246906000	1	129.973375000	2.115321000	3.357298000
6	132.082562000	5.918513000	4.877614000	1	136.843339000	-0.695274000	3.004513000
6	132.729518000	1.365665000	3.360862000	1	138.703447000	15.873571000	10.443721000
6	137.749119000	3.235185000	4.293421000	1	128.875670000	4.191127000	17.532723000
6	135.502050000	6.752451000	5.291814000				
6	131.852783000	4.628659000	4.413730000				
6	134.096215000	1.115093000	3.391485000				
				² TS4 _B :			
				6	134.196790000	0.714763000	13.804106000

6	135.504905000	0.054945000	13.355374000	1	131.590942000	7.642907000	11.965474000
8	135.880251000	-1.015140000	13.838798000	1	129.770999000	6.058240000	11.403517000
6	133.878030000	0.464304000	15.288106000	1	129.064422000	6.246560000	13.026947000
6	134.905871000	1.138984000	16.207768000	1	130.662793000	5.503103000	12.837895000
6	132.450758000	0.920194000	15.622181000	7	128.947079000	9.431200000	12.673801000
1	134.220087000	1.793061000	13.594779000	6	128.108561000	10.465812000	12.091624000
1	133.947755000	-0.618872000	15.443941000	6	128.854842000	11.674460000	11.508929000
1	134.683291000	0.032249000	17.262035000	8	128.257730000	12.440537000	10.746619000
1	134.903137000	2.229579000	16.072618000	1	128.967070000	9.331001000	13.688506000
1	135.915732000	0.770663000	16.002577000	1	127.421547000	10.823121000	12.863830000
1	132.205700000	0.704578000	16.669809000	1	127.512288000	10.058926000	11.269641000
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1	131.707230000	0.413590000	14.994816000	6	130.958563000	12.893648000	11.268819000
7	136.181783000	0.718717000	12.381596000	6	131.798156000	12.482741000	10.047245000
6	137.460527000	0.263445000	11.852148000	8	132.454467000	13.342668000	9.462606000
6	137.454642000	0.003877000	10.339152000	1	130.601036000	11.201981000	12.509407000
6	136.534659000	-1.089467000	9.821175000	1	130.305490000	13.706971000	10.945939000
6	136.032045000	-2.119309000	10.626413000	7	131.774413000	11.166701000	9.700040000
6	136.201002000	-1.107569000	8.456849000	6	132.595626000	10.630106000	8.622268000
6	135.234035000	-3.132046000	10.087222000	6	131.801012000	9.977035000	7.475463000
6	135.413305000	-2.114497000	7.904874000	8	132.353548000	9.823879000	6.382585000
6	134.926386000	-3.138489000	8.724965000	6	133.627263000	9.595975000	9.132438000
8	134.152344000	-4.107456000	8.141326000	6	134.642663000	10.166306000	10.079329000
1	135.828550000	1.612117000	12.049501000	6	135.002447000	11.474903000	10.293405000
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1	138.492277000	-0.232135000	10.056277000	6	136.197659000	10.145346000	11.586496000
1	137.223377000	0.945359000	9.823196000	7	135.989609000	11.442900000	11.254982000
1	136.236155000	-2.136628000	11.692900000	1	131.305088000	10.514962000	10.320497000
1	136.567919000	0.314594000	7.808219000	1	133.110910000	11.482186000	8.174477000
1	134.850070000	-3.918733000	10.735478000	1	134.128496000	9.167950000	8.255586000
1	135.165085000	-2.119304000	6.847629000	1	133.103591000	8.763731000	9.619608000
1	133.900491000	-4.753107000	8.819813000	1	134.629143000	12.400821000	9.885674000
6	132.856284000	6.007563000	20.625792000	1	136.921797000	9.834073000	12.326925000
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1	132.448516000	6.889101000	21.137885000	6	128.485469000	9.572784000	6.455544000
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1	134.826457000	5.260580000	20.043409000	8	128.709015000	7.355829000	8.646892000
7	131.267365000	4.933603000	19.079316000	1	130.166785000	9.750050000	8.678677000
6	130.758217000	4.621110000	17.747282000	1	130.310825000	8.622470000	5.933740000
6	129.953715000	5.741873000	17.083050000	1	130.415521000	6.838091000	7.564814000
8	129.867187000	5.797839000	15.857814000	1	128.860198000	6.773943000	6.712808000
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7	129.351646000	6.636917000	17.905943000	6	126.221192000	10.271496000	7.126359000
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8	128.911258000	9.485017000	15.708954000	1	127.499084000	8.815076000	8.059135000
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6	131.690436000	9.482575000	15.775069000	1	126.809239000	11.697364000	9.898005000
6	131.526239000	9.155329000	14.281585000	7	131.672907000	14.449928000	3.609132000
8	131.875870000	9.988879000	13.437207000	6	131.951868000	15.172864000	4.873191000
6	133.167569000	9.367940000	16.181280000	6	133.463012000	15.300473000	5.164504000
6	133.504237000	9.933132000	17.569227000	8	133.849897000	15.877738000	6.185860000
16	133.059623000	11.689820000	17.858404000	6	131.211769000	14.382764000	5.981412000
6	134.206615000	12.528883000	16.708097000	6	131.022892000	12.992555000	5.356122000
1	131.259779000	7.990605000	17.251872000	6	130.761525000	13.314856000	3.882991000
1	131.382862000	10.529442000	15.863275000	1	131.588398000	16.208683000	4.839090000
1	133.479856000	8.315297000	16.156784000	1	130.234220000	14.844273000	6.168584000
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1	134.576858000	9.807155000	17.756508000	1	131.940820000	12.401757000	5.450166000
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1	134.080542000	13.602560000	16.871041000	1	130.975682000	12.463676000	3.229435000
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1	135.245339000	12.260085000	16.925777000	7	134.264179000	14.758730000	4.223378000
7	130.973992000	7.966686000	13.946087000	6	135.711589000	14.899901000	4.178245000
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6	129.785692000	8.720037000	11.900244000	6	136.649777000	12.825787000	5.415849000
8	129.846239000	8.893487000	10.667643000	6	137.884904000	13.861434000	3.487140000
6	129.994896000	6.278345000	12.450823000	6	135.359486000	12.365454000	6.104882000
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1	136.022680000	15.451440000	5.068912000	1	133.448531000	8.259210000	4.814154000
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1	137.216224000	13.477320000	6.095525000	6	134.074420000	5.793578000	10.860984000
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1	138.433844000	14.554441000	4.136546000	6	134.134322000	4.295386000	11.131347000
1	135.600103000	11.764149000	6.992156000	7	135.227192000	3.655391000	11.388128000
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1	134.751376000	13.211353000	6.437783000	16	134.725597000	6.049990000	14.171953000
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6	141.903467000	18.094662000	6.696738000	6	133.004803000	0.914555000	8.195386000
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7	137.411610000	17.023320000	8.502045000	1	137.609660000	7.593638000	10.959949000
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1	137.736430000	17.471595000	9.346199000	1	132.596356000	5.135748000	21.238050000
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6	136.313132000	0.904674000	4.817658000	1	135.538432000	9.132457000	6.099033000
6	137.822024000	5.148672000	6.600376000	1	130.445897000	5.112342000	2.550577000
6	133.838625000	7.248139000	4.818809000	1	134.625649000	-0.967639000	3.484227000
6	132.269067000	2.988226000	3.150747000	1	135.423236000	17.354772000	8.992594000
6	137.073492000	1.875960000	5.460891000	1	130.118738000	3.736568000	17.826288000
6	136.862031000	6.096173000	6.264437000				
6	133.064897000	6.265374000	4.216470000	2IM4B:			
6	133.240957000	2.042942000	3.462755000	6	136.763277000	2.908467000	14.133988000
8	134.259883000	3.787144000	6.642515000	6	137.985671000	2.495312000	13.306460000
6	138.354785000	1.634772000	6.079613000	8	138.849763000	1.747123000	13.766263000
6	136.950611000	7.503310000	6.582362000	6	137.010453000	2.848420000	15.650058000
6	131.799725000	6.526644000	3.562903000	6	138.027876000	3.905601000	16.101809000
6	133.171631000	0.646487000	3.104006000	6	135.688160000	2.989613000	16.417773000
6	138.776024000	2.826037000	6.591674000	1	136.426368000	3.912725000	13.840852000
6	135.832715000	8.091012000	6.073841000	1	137.435572000	1.860200000	15.861531000
6	131.353200000	5.326398000	3.101818000	1	138.219108000	3.830092000	17.179448000
6	134.313394000	0.065853000	3.567742000	1	137.661430000	4.920739000	15.896764000
6	137.755057000	3.796091000	6.283640000	1	138.982057000	3.770956000	15.584088000
6	135.061408000	7.041674000	5.446325000	1	135.855565000	2.913932000	17.500148000
6	132.342041000	4.337734000	3.467476000	1	135.221230000	3.964387000	16.216195000
6	135.079001000	1.106420000	4.212399000	1	134.971856000	2.207835000	16.133422000
7	133.373351000	4.929001000	4.157710000	7	138.009775000	2.980772000	12.036341000
26	135.064239000	4.080520000	4.822556000	6	139.081736000	2.687404000	11.094815000
1	136.724434000	-0.099901000	4.779837000	6	138.629592000	1.893466000	9.858320000
1	138.705592000	5.495335000	7.128913000	6	138.029489000	0.515633000	10.091373000

6	138.314754000	-0.265504000	11.218572000	7	130.221901000	11.140126000	9.923605000
6	137.186183000	-0.037471000	9.113013000	6	131.288796000	10.981090000	8.945564000
6	137.779213000	-1.547992000	11.361054000	6	130.897792000	10.175071000	7.689846000
6	136.650592000	-1.316525000	9.240011000	8	131.652041000	10.219535000	6.709217000
6	136.948993000	-2.080836000	10.372646000	6	132.559615000	10.371175000	9.567481000
8	136.397424000	-3.332292000	10.460022000	6	133.281534000	11.290987000	10.508935000
1	137.297064000	3.642206000	11.738801000	6	133.143378000	12.644169000	10.707818000
1	139.852996000	2.153125000	11.653074000	7	134.309585000	10.814136000	11.308306000
1	139.511276000	1.802742000	9.204171000	6	134.781270000	11.860637000	11.965828000
1	137.909296000	2.502944000	9.295961000	7	134.100926000	12.986827000	11.642149000
1	138.935420000	0.125345000	12.018696000	1	130.117269000	10.416225000	10.627724000
1	136.950615000	0.542906000	8.223337000	1	131.511363000	11.980347000	8.564150000
1	138.009898000	-2.132181000	12.251036000	1	133.227828000	10.101535000	8.741370000
1	136.003114000	-1.735971000	8.475822000	1	132.315197000	9.438520000	10.090783000
1	136.703426000	-3.748748000	11.280721000	1	132.454668000	13.365603000	10.293484000
6	134.159775000	5.895138000	18.988147000	1	135.603866000	11.856087000	12.668461000
6	133.147925000	5.747538000	17.861526000	1	134.331261000	13.925791000	11.945852000
8	132.944773000	6.620608000	17.017657000	7	129.763129000	9.445421000	7.746953000
6	134.447263000	7.353199000	19.349727000	6	129.240767000	8.676521000	6.610301000
1	133.820042000	5.329373000	19.865459000	6	127.916361000	9.330814000	6.151949000
1	133.553774000	7.850817000	19.741623000	8	127.928877000	10.271234000	5.348103000
1	135.227835000	7.406298000	20.114465000	6	129.190027000	7.164462000	6.897856000
1	134.784258000	7.907052000	18.470152000	8	128.255763000	6.775520000	7.901292000
7	132.452135000	4.561971000	17.832277000	1	129.197830000	9.505167000	8.587873000
6	131.746378000	4.150070000	16.622287000	1	129.947040000	8.828988000	5.793356000
6	130.562628000	5.039050000	16.234129000	1	130.202621000	6.816592000	7.142817000
8	130.189287000	5.094770000	15.063313000	1	128.882451000	6.651234000	5.981205000
1	132.763393000	3.827687000	18.455259000	1	128.502493000	7.196289000	8.749970000
1	132.413088000	4.140090000	15.754138000	7	126.791217000	8.847985000	6.718629000
7	129.961309000	5.730171000	17.234157000	6	125.479841000	9.439429000	6.491904000
6	128.881392000	6.662524000	16.957081000	6	125.063296000	10.394100000	7.608448000
6	129.238972000	7.808251000	15.996061000	8	124.903013000	9.669248000	8.815943000
8	128.334615000	8.396864000	15.399939000	1	126.892068000	8.073404000	7.371520000
1	130.359234000	5.673493000	18.161179000	1	124.744401000	8.630739000	6.413633000
1	128.033071000	6.143942000	16.502201000	1	125.826276000	11.178690000	7.710741000
7	130.551028000	8.108620000	15.845388000	1	124.120252000	10.884980000	7.310906000
6	130.966594000	9.120217000	14.881005000	1	125.138205000	10.271814000	9.548931000
6	130.583948000	8.768320000	13.437674000	7	132.284440000	14.794897000	4.239204000
8	130.546886000	9.678236000	12.593546000	6	132.898413000	15.578563000	5.334379000
6	132.471352000	9.412684000	14.971455000	6	134.390361000	15.241736000	5.546882000
6	132.917506000	10.086296000	16.276420000	8	135.042678000	15.835102000	6.414422000
16	132.090902000	11.672016000	16.691032000	6	132.054204000	15.256265000	6.594213000
6	132.644903000	12.727317000	15.304643000	6	131.332756000	13.951302000	6.223829000
1	131.267302000	7.547891000	16.301973000	6	131.050591000	14.139135000	4.730988000
1	130.417451000	10.043287000	15.094663000	1	132.880499000	16.658455000	5.133857000
1	133.037930000	8.479361000	14.858167000	1	131.319072000	16.052319000	6.761109000
1	132.731868000	10.037825000	14.111997000	1	132.675557000	15.188546000	7.490705000
1	134.000732000	10.248986000	16.242899000	1	131.992847000	13.087262000	6.365634000
1	132.721579000	9.435184000	17.133721000	1	130.428877000	13.786812000	6.816334000
1	132.264825000	13.732007000	15.508496000	1	130.873821000	13.192388000	4.210777000
1	132.243747000	12.388546000	14.345509000	1	130.162979000	14.779924000	4.595136000
1	133.737641000	12.769329000	15.254021000	7	134.872524000	14.287682000	4.726239000
7	130.256294000	7.494723000	13.147890000	6	136.267993000	13.881545000	4.643702000
6	129.771769000	7.141354000	11.819637000	6	136.492616000	12.353910000	4.712555000
6	128.575317000	8.005424000	11.402100000	6	136.478247000	11.785616000	6.147323000
8	128.389162000	8.261911000	10.203268000	6	137.837500000	12.015512000	4.046774000
6	129.400617000	5.654534000	11.752355000	6	135.186191000	11.976143000	6.951020000
1	130.296445000	6.770019000	13.861200000	1	134.177794000	13.916819000	4.080444000
1	130.556178000	7.354664000	11.088899000	1	136.811566000	14.382554000	5.448643000
1	129.031236000	5.415123000	10.750935000	1	135.690395000	11.866403000	4.135507000
1	128.625761000	5.404626000	12.484143000	1	137.315675000	12.238005000	6.694760000
1	130.278662000	5.034406000	11.955464000	1	136.696721000	10.709846000	6.078235000
7	127.721836000	8.443956000	12.351513000	1	137.857148000	12.333702000	2.997391000
6	126.587471000	9.267516000	11.961375000	1	138.028978000	10.936471000	4.072190000
6	126.937317000	10.672389000	11.443969000	1	138.659368000	12.519170000	4.570443000
8	126.121299000	11.286169000	10.752745000	1	135.268676000	11.476836000	7.926400000
1	127.927148000	8.306959000	13.340055000	1	134.312619000	11.555373000	6.437885000
1	125.922535000	9.370009000	12.823843000	1	134.982471000	13.033042000	7.145585000
1	126.035880000	8.780404000	11.153107000	16	135.398577000	5.129913000	2.439082000
7	128.131380000	11.188613000	11.822452000	1	135.909432000	3.914013000	2.135901000
6	128.622227000	12.447480000	11.295985000	6	140.820683000	14.041223000	8.445167000
6	129.676112000	12.366654000	10.178527000	6	139.491357000	14.613983000	7.959226000
8	129.985551000	13.392813000	9.579714000	8	138.973608000	14.232726000	6.911107000
1	128.774320000	10.615821000	12.361303000	6	140.761014000	12.504261000	8.495466000
1	127.772709000	12.999363000	10.889999000	6	142.039336000	11.812070000	9.005144000

6	141.798898000	10.298854000	9.130575000	6	134.177912000	2.684627000	9.797598000
6	143.260024000	12.093661000	8.115544000	6	136.976634000	6.449177000	10.888010000
1	141.591822000	14.364521000	7.735886000	6	136.557860000	7.848832000	11.307942000
1	139.923456000	12.205713000	9.142375000	6	137.388368000	8.944915000	10.614320000
1	140.513874000	12.140212000	7.490744000	1	132.034214000	5.339706000	9.684957000
1	142.256461000	12.202840000	10.012118000	1	131.041660000	3.537741000	8.149608000
1	142.674998000	9.793321000	9.554479000	1	134.347874000	3.776144000	12.185524000
1	140.936053000	10.078956000	9.770670000	1	132.980887000	4.908369000	12.036366000
1	141.605558000	9.855511000	8.144718000	1	132.674392000	2.118126000	6.777611000
1	144.144201000	11.562398000	8.487384000	1	134.426638000	1.190741000	8.259165000
1	143.510062000	13.159866000	8.078386000	1	134.951066000	2.258708000	10.429907000
1	143.078177000	11.756993000	7.086533000	1	137.249426000	8.832265000	9.528894000
7	138.922070000	15.560860000	8.762920000	1	137.002133000	9.925754000	10.901850000
6	137.591191000	16.104806000	8.516645000	1	134.810815000	9.039335000	11.256419000
6	136.456290000	15.299189000	9.187066000	1	133.037029000	5.039153000	6.844004000
6	136.459389000	15.342103000	10.697838000	1	139.073230000	8.026824000	10.752110000
6	137.318807000	14.526046000	11.453413000	8	130.457580000	10.714054000	4.083286000
6	135.591653000	16.199799000	11.394744000	1	129.533232000	10.665804000	4.409193000
6	137.318070000	14.569167000	12.850143000	1	130.979584000	10.685342000	4.906071000
6	135.578731000	16.240394000	12.792878000	1	135.951141000	2.214925000	13.868294000
6	136.444077000	15.423999000	13.527561000	1	139.513554000	3.635627000	10.752267000
1	139.365231000	15.766103000	9.646822000	1	135.082456000	5.404494000	18.646500000
1	137.412825000	16.094344000	7.440870000	1	128.541179000	7.091003000	17.904236000
1	135.515353000	15.688749000	8.787760000	1	129.053361000	13.048161000	12.104908000
1	136.536794000	14.263826000	8.837181000	1	125.515426000	9.975667000	5.540337000
1	137.982777000	13.836246000	10.938652000	1	132.108095000	15.365689000	3.418549000
1	134.915751000	16.839709000	10.831659000	1	136.680122000	14.254242000	3.694223000
1	137.997402000	13.930487000	13.409791000	1	141.096221000	14.448185000	9.427817000
1	134.896951000	16.913692000	13.306558000	1	137.032817000	0.253155000	5.106180000
1	136.440011000	15.457705000	14.613753000	1	136.967398000	7.233037000	7.543462000
7	135.404686000	3.171565000	4.894137000	1	130.995591000	8.670767000	3.409627000
7	134.739485000	5.872561000	5.450928000	1	131.052009000	1.673817000	0.965685000
7	133.198576000	2.994275000	3.166408000	1	138.203930000	2.269669000	6.491160000
6	134.677982000	1.125760000	3.752265000	1	134.947942000	8.917061000	6.824699000
6	136.709631000	4.686045000	6.320731000	1	130.023255000	6.737284000	1.758348000
6	133.180348000	7.710490000	4.959809000	1	132.843086000	-0.106862000	1.953803000
6	131.425360000	4.276658000	2.051160000	1	137.576507000	17.145424000	8.859461000
6	135.537292000	1.836682000	4.577387000	1	131.376313000	3.131313000	16.774292000
6	135.891738000	5.799271000	6.210721000				
6	132.424257000	7.042027000	4.010495000				
6	132.138004000	3.112373000	2.295980000				
8	132.113755000	4.787849000	7.031184000				
6	136.709377000	1.281892000	5.203342000				
6	136.124458000	7.046003000	6.889342000				
6	131.325059000	7.641458000	3.287621000				
6	131.847357000	1.842345000	1.680621000				
6	137.298256000	2.295501000	5.898703000				
6	135.114725000	7.889320000	6.529667000				
6	130.846105000	6.674623000	2.459482000				
6	132.744894000	0.947783000	2.177995000				
6	136.475056000	3.462780000	5.711252000				
6	134.272529000	7.163043000	5.617707000				
6	131.644966000	5.492236000	2.678245000				
6	133.591863000	1.673604000	3.088935000				
7	132.612614000	5.731650000	3.626363000				
26	134.099272000	4.495329000	4.132590000				
1	134.889925000	0.073310000	3.590078000				
1	137.588046000	4.772359000	6.953043000				
1	132.904998000	8.731594000	5.200219000				
1	130.614079000	4.224087000	1.331579000				
6	134.254532000	7.045421000	11.236844000				
7	135.170198000	8.055850000	11.197937000				
8	133.041291000	7.224028000	11.198920000				
16	137.177630000	7.960807000	13.227279000				
6	134.840818000	5.642534000	11.313078000				
7	136.095952000	5.386668000	11.139100000				
8	138.075499000	6.239737000	10.393950000				
16	135.697585000	7.202610000	14.294355000				
6	133.869370000	4.516679000	11.538012000				
8	138.744276000	8.889830000	10.990777000				
6	133.489598000	3.861321000	10.206417000				
6	132.527978000	4.414625000	9.401837000				
6	132.110046000	3.808011000	8.089242000				
6	132.903382000	2.583430000	7.732149000				
6	133.872123000	2.077243000	8.554100000				

Model A structures:

⁴Re_A:

16	132.994388000	3.633483000	3.584590000
1	132.246057000	4.660871000	3.123213000
7	135.453063000	4.630605000	5.479592000
7	133.263473000	6.426459000	5.162151000
7	133.655041000	2.595834000	6.335147000
6	136.083788000	2.350617000	6.113857000
6	135.613732000	6.947441000	4.704448000
6	130.835457000	6.671848000	5.385433000
6	131.304975000	2.072190000	6.797823000
6	136.374816000	3.639892000	5.682506000
6	134.267322000	7.275543000	4.771115000
6	130.541509000	5.381525000	5.794754000
6	132.654041000	1.746833000	6.734146000
8	133.668912000	5.068656000	7.423541000
6	137.700821000	4.111051000	5.363931000
6	133.727908000	8.570208000	4.437638000
6	129.215779000	4.895911000	6.087673000
6	133.196572000	0.453978000	7.070871000
6	137.566758000	5.404128000	4.963253000
6	132.383535000	8.496772000	4.638252000
6	129.349481000	3.603114000	6.487884000
6	134.541065000	0.528846000	6.869875000
6	136.160701000	5.715284000	5.039703000
6	132.106808000	7.155455000	5.090032000
6	130.756586000	3.292532000	6.438357000
6	134.818205000	1.869235000	6.416428000
7	131.470847000	4.384492000	5.997782000
26	133.479601000	4.555505000	5.878948000
1	136.917137000	1.663865000	6.225928000
1	136.299842000	7.724275000	4.383880000
1	130.004111000	7.362114000	5.279477000
1	130.622551000	1.300872000	7.141009000
6	134.386954000	8.297514000	11.120250000
7	135.361700000	9.161984000	10.677354000
8	133.483178000	8.629421000	11.866045000
16	137.595673000	7.517339000	10.989259000
6	134.613403000	6.862180000	10.593947000
7	135.024677000	6.903335000	9.212516000
8	136.472654000	7.809090000	7.675416000
16	136.044076000	6.246307000	11.723875000
6	133.362493000	5.981303000	10.823673000
8	138.507152000	9.363884000	8.751117000
6	133.593849000	4.557088000	11.292617000
6	133.543641000	4.256894000	12.661718000
6	133.745839000	2.951593000	13.114620000
6	133.990266000	1.925613000	12.200818000
6	134.029533000	2.212323000	10.833910000
6	133.831874000	3.517501000	10.382035000
6	136.000661000	7.755605000	8.812501000
6	136.490779000	8.664286000	9.947117000
6	137.354562000	9.816459000	9.408946000
1	133.342430000	5.052149000	13.375740000
1	133.705093000	2.737649000	14.179452000
1	132.755257000	6.516311000	11.558165000
1	132.806805000	5.980555000	9.879236000
1	134.143196000	0.907921000	12.550978000
1	134.208894000	1.417903000	10.113668000
1	133.852686000	3.734646000	9.317298000
1	136.705090000	10.420222000	8.754275000
1	137.678710000	10.444274000	10.246193000
1	135.451184000	10.029443000	11.196934000
1	134.685574000	6.194273000	8.550139000
1	138.172489000	8.781998000	8.039416000
1	138.602063000	3.517184000	5.443448000
1	134.316021000	9.413118000	4.098694000
1	128.311918000	5.484540000	5.997620000
1	132.609733000	-0.391010000	7.407129000
1	138.334765000	6.098109000	4.648074000
1	131.635388000	9.265991000	4.496185000
1	128.577949000	2.908422000	6.793785000
1	135.288753000	-0.241681000	7.007101000

²Re_A:

16	132.947611000	3.644591000	3.569658000
1	132.231534000	4.704593000	3.131134000
7	135.482579000	4.576956000	5.439577000
7	133.331600000	6.422315000	5.178231000
7	133.657105000	2.571694000	6.302135000
6	136.073992000	2.274546000	6.033690000
6	135.685181000	6.901836000	4.697361000
6	130.910592000	6.715839000	5.436078000
6	131.305620000	2.100192000	6.814750000
6	136.384812000	3.561850000	5.610170000
6	134.346706000	7.256560000	4.785178000
6	130.594634000	5.430025000	5.843618000
6	132.645526000	1.745330000	6.721089000
8	133.716822000	5.017202000	7.427996000
6	137.714910000	4.006849000	5.273335000
6	133.828977000	8.564407000	4.470936000
6	129.264922000	4.973587000	6.164726000
6	133.165407000	0.439307000	7.043438000
6	137.604542000	5.309475000	4.896494000
6	132.485473000	8.514089000	4.684414000
6	129.378321000	3.676416000	6.557145000
6	134.506570000	0.483724000	6.814148000
6	136.208360000	5.652652000	5.004271000
6	132.187652000	7.174234000	5.126518000
6	130.776682000	3.334216000	6.473470000
6	134.804634000	1.818993000	6.358648000
7	131.504628000	4.410968000	6.018965000
26	133.521497000	4.542326000	5.873841000
1	136.894323000	1.569048000	6.123016000
1	136.383416000	7.668508000	4.378493000
1	130.093495000	7.425413000	5.348351000
1	130.614020000	1.342692000	7.170134000
6	134.292837000	8.299002000	11.110177000
7	135.245871000	9.186361000	10.664702000
8	133.375853000	8.612677000	11.847657000
16	137.521174000	7.605315000	11.001940000
6	134.559847000	6.866871000	10.594105000
7	134.975434000	6.911250000	9.214297000
8	136.410174000	7.840883000	7.679290000
16	136.000708000	6.294990000	11.733175000
6	133.331598000	5.954877000	10.824386000
8	138.394819000	9.458894000	8.752566000
6	133.596837000	4.539090000	11.300844000
6	133.549944000	4.244712000	12.671334000
6	133.781951000	2.946926000	13.131622000
6	134.053072000	1.922335000	12.223844000
6	134.089212000	2.203061000	10.855617000
6	133.862011000	3.500804000	10.396277000
6	135.932815000	7.784466000	8.813944000
6	136.392278000	8.713862000	9.944580000
6	137.227612000	9.884976000	9.402300000
1	133.328086000	5.038482000	13.380856000
1	133.743552000	2.737637000	14.197471000
1	132.708299000	6.477372000	11.554483000
1	132.778698000	5.935715000	9.878419000
1	134.229030000	0.910335000	12.579628000
1	134.288976000	1.409418000	10.139919000
1	133.881425000	3.712838000	9.330491000
1	136.565186000	10.466561000	8.740493000
1	137.530998000	10.527188000	10.236354000
1	135.308674000	10.059895000	11.178134000
1	134.660666000	6.188384000	8.554455000
1	138.078795000	8.862567000	8.044205000
1	138.602997000	3.390529000	5.325456000
1	134.429585000	9.399503000	4.134626000
1	128.372832000	5.582911000	6.098015000
1	132.566540000	-0.392749000	7.390556000
1	138.382948000	5.989680000	4.576652000
1	131.750817000	9.298860000	4.557837000
1	128.598432000	2.998303000	6.878692000
1	135.239110000	-0.304047000	6.934096000

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16	133.075223000	4.424256000	3.727181000
1	131.746746000	4.553833000	3.939243000
7	135.620245000	4.590609000	5.182864000
7	133.589014000	6.439280000	5.945469000
7	133.942716000	2.416206000	5.943783000
6	136.246781000	2.220082000	5.141598000
6	135.765863000	7.029893000	4.990395000
6	131.303438000	6.643984000	6.808051000
6	131.690330000	1.819773000	6.697024000
6	136.501086000	3.569046000	4.935882000
6	134.515643000	7.346853000	5.503664000
6	131.003351000	5.288275000	6.894830000
6	132.981894000	1.506584000	6.296211000
8	134.369345000	4.442432000	7.598325000
6	137.741911000	4.095105000	4.423026000
6	134.008746000	8.688768000	5.650622000
6	129.742776000	4.759748000	7.349888000
6	133.499935000	0.164251000	6.185456000
6	137.599476000	5.446841000	4.365596000
6	132.761367000	8.582233000	6.185028000
6	129.848166000	3.402418000	7.304491000
6	134.787721000	0.277460000	5.760260000
6	136.275933000	5.745346000	4.851384000
6	132.502774000	7.173660000	6.352460000
6	131.175482000	3.104411000	6.829933000
6	135.049285000	1.688127000	5.606357000
7	131.858676000	4.264967000	6.570721000
26	133.784478000	4.428238000	5.984096000
1	137.043749000	1.522095000	4.905011000
1	136.405549000	7.852886000	4.690004000
1	130.531832000	7.345683000	7.108212000
1	131.030966000	0.993409000	6.943679000
6	133.822761000	8.419652000	9.865306000
7	134.922220000	9.162657000	9.502092000
8	132.712271000	8.898106000	10.028946000
16	136.887173000	8.031043000	11.133299000
6	134.184999000	6.932823000	10.030087000
7	135.031999000	6.446273000	9.014346000
8	136.934435000	6.907267000	7.807539000
16	135.181920000	7.040109000	11.789511000
6	132.945287000	6.065210000	10.308329000
8	138.526750000	8.918852000	8.770470000
6	133.132022000	4.866531000	11.219584000
6	132.606409000	4.898931000	12.519333000
6	132.758849000	3.812012000	13.382892000
6	133.435857000	2.670443000	12.953195000
6	133.953697000	2.623416000	11.656187000
6	133.802695000	3.709416000	10.793590000
6	136.080354000	7.206842000	8.659034000
6	136.207043000	8.551002000	9.415084000
6	137.242955000	9.480121000	8.766557000
1	132.073000000	5.784636000	12.857456000
1	132.346659000	3.858800000	14.387591000
1	132.183387000	6.730088000	10.722644000
1	132.585168000	5.740463000	9.326030000
1	133.556072000	1.821802000	13.621710000
1	134.477780000	1.735315000	11.311908000
1	134.198528000	3.659129000	9.783650000
1	136.878442000	9.693168000	7.748165000
1	137.290580000	10.425135000	9.319920000
1	134.842963000	10.169203000	9.602369000
1	134.691125000	5.323707000	8.164717000
1	138.412920000	8.067344000	8.295641000
1	138.599385000	3.493345000	4.151285000
1	134.550156000	9.583664000	5.372050000
1	128.900065000	5.361989000	7.663670000
1	132.937801000	-0.733447000	6.408187000
1	138.317543000	6.189262000	4.043175000
1	132.065539000	9.369172000	6.444287000
1	129.110083000	2.658839000	7.575898000
1	135.504451000	-0.507902000	5.558022000

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16	133.038186000	4.400901000	3.716685000
1	131.705772000	4.409147000	3.943655000
7	135.601734000	4.605224000	5.159988000
7	133.591200000	6.460966000	5.948271000
7	133.918723000	2.436485000	5.930472000
6	136.213748000	2.229987000	5.107615000
6	135.759571000	7.042480000	4.967895000
6	131.309379000	6.677458000	6.820746000
6	131.677264000	1.851948000	6.722787000
6	136.473332000	3.578380000	4.902654000
6	134.516844000	7.364231000	5.497765000
6	131.003090000	5.323611000	6.910896000
6	132.959976000	1.531681000	6.300696000
8	134.372121000	4.440837000	7.594774000
6	137.712063000	4.097016000	4.377844000
6	134.017685000	8.708008000	5.648348000
6	129.746230000	4.801126000	7.382447000
6	133.470434000	0.186665000	6.183567000
6	137.577734000	5.449738000	4.322536000
6	132.773536000	8.606868000	6.192071000
6	129.848142000	3.443322000	7.344630000
6	134.751965000	0.293474000	5.739340000
6	136.261537000	5.755990000	4.822659000
6	132.510064000	7.199984000	6.360936000
6	131.168933000	3.139024000	6.856276000
6	135.018332000	1.702993000	5.580918000
7	131.851621000	4.296714000	6.581089000
26	133.776245000	4.455741000	5.983194000
1	137.005436000	1.528879000	4.862712000
1	136.398711000	7.863029000	4.659736000
1	130.543606000	7.383693000	7.125045000
1	131.018618000	1.029465000	6.983890000
6	133.817049000	8.397159000	9.887885000
7	134.907841000	9.150325000	9.519388000
8	132.703602000	8.865791000	10.060003000
16	136.894229000	8.027811000	11.130829000
6	134.192644000	6.912912000	10.045737000
7	135.035664000	6.436130000	9.022697000
8	136.922373000	6.917185000	7.799026000
16	135.200969000	7.026028000	11.799620000
6	132.962272000	6.034697000	10.331247000
8	138.507665000	8.935512000	8.756703000
6	133.167863000	4.830052000	11.230530000
6	132.654239000	4.847378000	12.535344000
6	132.823888000	3.754843000	13.388535000
6	133.506400000	2.622595000	12.943192000
6	134.012361000	2.590549000	11.641053000
6	133.844238000	3.682196000	10.788795000
6	136.074106000	7.206495000	8.660054000
6	136.196485000	8.549042000	9.419518000
6	137.220203000	9.488261000	8.766491000
1	132.116575000	5.725757000	12.885668000
1	132.420766000	3.789995000	14.397381000
1	132.200514000	6.690703000	10.759723000
1	132.592961000	5.715640000	9.350411000
1	133.640087000	1.769613000	13.603580000
1	134.540685000	1.709768000	11.284645000
1	134.231147000	3.643579000	9.774936000
1	136.845337000	9.703236000	7.752260000
1	137.266234000	10.431140000	9.323628000
1	134.821206000	10.155934000	9.622795000
1	134.692337000	5.318775000	8.166158000
1	138.394913000	8.085203000	8.279268000
1	138.562701000	3.489911000	4.096718000
1	134.560774000	9.600328000	5.364881000
1	128.908801000	5.407394000	7.702495000
1	132.907481000	-0.708119000	6.415755000
1	138.296950000	6.187788000	3.992726000
1	132.082591000	9.396673000	6.455624000
1	129.111635000	2.703134000	7.629248000
1	135.462215000	-0.495307000	5.527815000

4IM1A:

16	133.284475000	4.146945000	3.411115000
1	131.947192000	4.315482000	3.509999000
7	135.702097000	4.209629000	5.036498000
7	133.843285000	6.324753000	5.507555000
7	133.752006000	2.302634000	5.869061000
6	136.066122000	1.788534000	5.236623000
6	136.145817000	6.604317000	4.704575000
6	131.512889000	6.833721000	6.089406000
6	131.396059000	2.003577000	6.483124000
6	136.475667000	3.081145000	4.941878000
6	134.902847000	7.087196000	5.083898000
6	131.070406000	5.530357000	6.267540000
6	132.674177000	1.534129000	6.222310000
8	134.277834000	4.416870000	7.383633000
6	137.803925000	3.432931000	4.506060000
6	134.529404000	8.479278000	5.064724000
6	129.731537000	5.174156000	6.664466000
6	133.054061000	0.141925000	6.263980000
6	137.823977000	4.785230000	4.349708000
6	133.229191000	8.545466000	5.463456000
6	129.697503000	3.816443000	6.768298000
6	134.368847000	0.082538000	5.920079000
6	136.509136000	5.266049000	4.693015000
6	132.802440000	7.192544000	5.723808000
6	131.016187000	3.337467000	6.438699000
6	134.795267000	1.437637000	5.664013000
7	131.830776000	4.394984000	6.116355000
26	133.795082000	4.304152000	5.667018000
1	136.792984000	0.992258000	5.113280000
1	136.894931000	7.329159000	4.403883000
1	130.790296000	7.631330000	6.230315000
1	130.637964000	1.275373000	6.752715000
6	133.599008000	8.048022000	10.945281000
7	134.590667000	8.998810000	10.897549000
8	132.608909000	8.158650000	11.649534000
16	137.250085000	8.074872000	11.308008000
6	133.784475000	6.891042000	9.974160000
7	134.708130000	6.871478000	9.069556000
8	136.384692000	8.014684000	8.033905000
16	136.320703000	6.851070000	12.546461000
6	132.800984000	5.760200000	10.084033000
8	137.695526000	10.116398000	9.269569000
6	133.265748000	4.747523000	11.132170000
6	132.899909000	4.884840000	12.477053000
6	133.335560000	3.953850000	13.421751000
6	134.143748000	2.883603000	13.031090000
6	134.512725000	2.746817000	11.690963000
6	134.079817000	3.675220000	10.742448000
6	135.655361000	7.904684000	9.007507000
6	135.805666000	8.861508000	10.185830000
6	136.379640000	10.223520000	9.743067000
1	132.278823000	5.722978000	12.780757000
1	133.041598000	4.064554000	14.462312000
1	131.828656000	6.170953000	10.368218000
1	132.733426000	5.274680000	9.107923000
1	134.482349000	2.159332000	13.767380000
1	135.138037000	1.914102000	11.379686000
1	134.358935000	3.569817000	9.696677000
1	135.693267000	10.645854000	8.991897000
1	136.397897000	10.899864000	10.605154000
1	134.512079000	9.732018000	11.596277000
1	134.567004000	5.321319000	7.633346000
1	137.651836000	9.496007000	8.516123000
1	138.606666000	2.723317000	4.351560000
1	135.189018000	9.286342000	4.772876000
1	128.934936000	5.884996000	6.844067000
1	132.384974000	-0.669475000	6.520626000
1	138.646802000	5.417580000	4.041767000
1	132.595561000	9.418121000	5.560584000
1	128.867859000	3.181878000	7.052823000
1	135.006373000	-0.788070000	5.833422000

2IM1A:

16	133.461029000	3.997741000	3.410924000
1	132.123216000	4.189247000	3.432503000
7	135.796096000	4.226561000	5.139686000
7	133.810742000	6.254593000	5.457202000
7	133.910858000	2.246946000	5.945068000
6	136.280455000	1.839567000	5.454608000
6	136.123648000	6.627724000	4.726070000
6	131.439436000	6.658682000	5.946691000
6	131.543412000	1.837897000	6.441779000
6	136.634170000	3.141265000	5.128341000
6	134.844077000	7.057144000	5.043219000
6	131.055801000	5.339038000	6.139525000
6	132.856146000	1.430934000	6.260702000
8	134.254937000	4.437222000	7.412855000
6	137.959622000	3.549692000	4.735623000
6	134.401632000	8.426913000	4.967471000
6	129.719690000	4.924303000	6.486195000
6	133.305546000	0.063098000	6.365977000
6	137.911796000	4.893005000	5.418919000
6	133.087669000	8.438371000	5.324680000
6	129.746384000	3.568444000	6.612572000
6	134.639841000	0.065809000	6.101148000
6	136.558532000	5.312273000	4.784399000
6	132.721303000	7.073675000	5.613919000
6	131.100261000	3.149637000	6.350123000
6	135.008576000	1.434116000	5.826833000
7	131.876086000	4.239822000	6.043374000
26	133.859702000	4.239250000	5.681873000
1	137.054069000	1.080674000	5.398232000
1	136.844771000	7.380501000	4.425585000
1	130.673223000	7.421607000	6.041716000
1	130.810653000	1.077188000	6.690859000
6	133.540008000	8.142272000	10.901486000
7	134.548748000	9.075275000	10.861064000
8	132.544965000	8.272522000	11.595265000
16	137.189877000	8.102361000	11.281504000
6	133.715210000	6.979068000	9.935906000
7	134.642465000	6.944644000	9.035550000
8	136.329598000	8.071696000	7.998825000
16	136.232768000	6.898320000	12.518142000
6	132.715624000	5.862295000	10.044480000
8	137.680155000	10.139895000	9.248329000
6	133.142058000	4.861535000	11.120054000
6	132.740513000	5.021911000	12.452103000
6	133.140722000	4.100896000	13.421841000
6	133.948891000	3.017472000	13.069258000
6	134.353402000	2.857576000	11.742034000
6	133.956006000	3.775898000	10.768444000
6	135.601603000	7.967033000	8.973986000
6	135.764590000	8.918026000	10.155123000
6	136.365286000	10.270459000	9.718869000
1	132.120010000	5.870457000	12.726400000
1	132.819215000	4.229670000	14.452124000
1	131.742932000	6.290906000	10.300472000
1	132.662128000	5.361470000	9.075334000
1	134.259894000	2.300877000	13.824990000
1	134.978861000	2.014514000	11.460272000
1	134.262614000	3.652266000	9.732379000
1	135.689134000	10.708632000	8.967530000
1	136.394250000	10.943169000	10.583492000
1	134.477395000	9.811144000	11.557741000
1	134.526760000	5.354507000	7.632448000
1	137.626102000	9.524970000	8.491133000
1	138.806480000	2.881210000	4.647486000
1	135.028745000	9.257635000	4.670281000
1	128.882558000	5.598103000	6.617858000
1	132.665999000	-0.775881000	6.608917000
1	138.711580000	5.557720000	4.218569000
1	132.408346000	9.280041000	5.375202000
1	128.936668000	2.898628000	6.872588000
1	135.326296000	-0.770964000	6.078354000

⁴TS2A:

16	133.289571000	4.387634000	3.694688000
1	132.007548000	4.645758000	4.036465000
7	135.939606000	4.055388000	4.866586000
7	134.536910000	6.418912000	5.636242000
7	133.887739000	2.451163000	6.036392000
6	135.943718000	1.602038000	5.002929000
6	136.694044000	6.358103000	4.464130000
6	132.438838000	7.269561000	6.590248000
6	131.659890000	2.507028000	7.063029000
6	136.497244000	2.822496000	4.643685000
6	135.613779000	7.017174000	5.031837000
6	131.850289000	6.046902000	6.881499000
6	132.780150000	1.851077000	6.575062000
8	134.993083000	4.409682000	7.424204000
6	137.775307000	2.973439000	3.992635000
6	135.444638000	8.448737000	5.029640000
6	130.570602000	5.895885000	7.527941000
6	132.934245000	0.415500000	6.545667000
6	137.985708000	4.309344000	3.839003000
6	134.244916000	8.704777000	5.621714000
6	130.346246000	4.556161000	7.648325000
6	134.141298000	0.161466000	5.972099000
6	136.837905000	4.980388000	4.397282000
6	133.679985000	7.429864000	5.991541000
6	131.490396000	3.885062000	7.083062000
6	134.726408000	1.440740000	5.646699000
7	132.388208000	4.811601000	6.610009000
26	134.212168000	4.431001000	5.823969000
1	136.503232000	0.706073000	4.754243000
1	137.483479000	6.966069000	4.034437000
1	131.880756000	8.164643000	6.844501000
1	130.856318000	1.897981000	7.464629000
6	132.386197000	8.237158000	10.285412000
7	133.401077000	9.032522000	9.799149000
8	131.199205000	8.495544000	10.197318000
16	135.372548000	8.697217000	11.765738000
6	132.970183000	6.989701000	10.962226000
7	133.967545000	6.390545000	10.153788000
8	135.829578000	6.755699000	8.834752000
16	133.679301000	7.753312000	12.598665000
6	131.953139000	5.897517000	11.349595000
8	137.062773000	9.203272000	9.359391000
6	132.796670000	4.656471000	11.478919000
6	133.067298000	4.011747000	12.671310000
6	134.128242000	3.091657000	12.754439000
6	134.956652000	2.849935000	11.643233000
6	134.702440000	3.469917000	10.432235000
6	133.598052000	4.367151000	10.314412000
6	134.913790000	7.135906000	9.582590000
6	134.769378000	8.641322000	9.954742000
6	135.716615000	9.517548000	9.119276000
1	132.491911000	4.253728000	13.561014000
1	134.332163000	2.594511000	13.698550000
1	131.409242000	6.152620000	12.262571000
1	131.223532000	5.822432000	10.534118000
1	135.782456000	2.149642000	11.732018000
1	135.283433000	3.262277000	9.540101000
1	133.172650000	4.478576000	9.322925000
1	135.436884000	9.384206000	8.064218000
1	135.571199000	10.568105000	9.394558000
1	133.169976000	9.994267000	9.575574000
1	135.340136000	5.281499000	7.727518000
1	137.154218000	8.270779000	9.077899000
1	138.417545000	2.151072000	3.704506000
1	136.154902000	9.150168000	4.610995000
1	129.950579000	6.720016000	7.856697000
1	132.199694000	-0.288809000	6.914981000
1	138.836777000	4.813208000	3.399072000
1	133.760961000	9.660166000	5.781140000
1	129.492698000	4.052196000	8.083967000
1	134.605973000	-0.795276000	5.770501000

²TS2A:

16	133.466859000	4.223963000	3.701715000
1	132.165629000	4.453396000	3.986896000
7	136.085741000	4.050052000	4.974311000
7	134.548202000	6.365791000	5.621454000
7	134.069556000	2.385104000	6.121104000
6	136.200362000	1.605139000	5.189274000
6	136.743699000	6.373123000	4.521657000
6	132.383583000	7.143189000	6.485168000
6	131.804910000	2.364021000	7.065160000
6	136.708856000	2.839412000	4.811012000
6	135.615101000	6.996540000	5.032806000
6	131.841826000	5.902816000	6.791489000
6	132.971607000	1.748524000	6.637208000
8	135.035075000	4.434762000	7.484324000
6	138.000734000	3.031910000	4.199541000
6	135.380041000	8.417834000	4.982272000
6	130.548459000	5.710129000	7.398520000
6	133.193437000	0.321699000	6.657251000
6	138.152705000	4.371010000	4.009041000
6	134.151970000	8.634009000	5.530715000
6	130.379989000	4.365057000	7.547147000
6	134.431937000	0.109109000	6.136300000
6	136.955158000	5.002607000	4.505357000
6	133.634830000	7.344961000	5.920787000
6	131.572271000	3.732685000	7.039659000
6	134.968603000	1.404925000	5.793293000
7	132.443656000	4.686740000	6.572026000
26	134.309442000	4.370880000	5.859396000
1	136.809916000	0.729947000	4.988982000
1	137.517874000	7.004884000	4.098582000
1	131.777840000	8.017836000	6.697954000
1	131.016073000	1.729237000	7.455934000
6	132.196982000	8.240619000	10.107565000
7	133.199184000	9.061534000	9.638049000
8	131.005456000	8.445628000	9.959421000
16	135.097005000	8.869613000	11.694110000
6	132.800763000	7.041360000	10.850834000
7	133.854919000	6.458382000	10.105447000
8	135.752204000	6.855997000	8.847816000
16	133.407781000	7.885190000	12.487890000
6	131.813065000	5.920766000	11.233016000
8	136.866694000	9.365502000	9.342395000
6	132.699707000	4.720937000	11.440597000
6	132.943325000	4.127893000	12.665270000
6	134.035576000	3.256032000	12.825376000
6	134.920254000	3.011693000	11.759069000
6	134.693802000	3.579380000	10.517245000
6	133.560646000	4.425211000	10.321558000
6	134.793073000	7.222655000	9.546411000
6	134.574120000	8.732341000	9.863114000
6	135.520622000	9.619702000	9.038765000
1	132.320743000	4.375860000	13.520896000
1	134.218167000	2.799765000	13.794171000
1	131.220401000	6.182522000	12.113201000
1	131.123295000	5.787516000	10.390735000
1	135.768763000	2.349572000	11.906958000
1	135.320663000	3.365452000	9.658308000
1	133.175412000	4.486149000	9.309399000
1	135.289416000	9.443793000	7.978251000
1	135.324229000	10.671579000	9.274534000
1	132.939717000	10.005034000	9.371917000
1	135.347170000	5.327563000	7.763025000
1	137.004015000	8.428760000	9.095622000
1	138.691306000	2.233198000	3.960928000
1	136.070013000	9.139580000	4.564185000
1	129.881292000	6.513413000	7.683630000
1	132.478962000	-0.405832000	7.020903000
1	138.994054000	4.901653000	3.582101000
1	133.619818000	9.569803000	5.646784000
1	129.535230000	3.833856000	7.967271000
1	134.948057000	-0.829797000	5.981406000

⁴IM2_A:

16	133.276285000	4.335022000	3.699432000
1	132.000752000	4.631973000	4.033960000
7	135.927789000	4.038068000	4.871513000
7	134.501319000	6.393821000	5.624394000
7	133.901605000	2.423334000	6.066637000
6	135.969032000	1.587836000	5.044304000
6	136.650527000	6.346331000	4.436616000
6	132.395637000	7.226055000	6.577816000
6	131.677816000	2.460265000	7.101629000
6	136.503223000	2.810727000	4.664027000
6	135.567498000	6.999412000	5.006617000
6	131.821303000	5.998604000	6.875617000
6	132.806534000	1.814694000	6.620859000
8	134.978626000	4.413126000	7.428317000
6	137.775610000	2.970814000	4.005104000
6	135.383926000	8.428741000	4.998290000
6	130.545735000	5.838744000	7.528768000
6	132.984668000	0.381614000	6.617804000
6	137.965274000	4.307439000	3.830448000
6	134.185552000	8.676262000	5.598326000
6	130.338925000	4.498089000	7.664170000
6	134.193709000	0.137053000	6.045142000
6	136.810731000	4.969790000	4.384482000
6	133.634918000	7.398214000	5.977024000
6	131.489191000	3.835526000	7.101735000
6	134.756532000	1.419498000	5.693956000
7	132.371700000	4.766740000	6.611339000
26	134.194423000	4.398972000	5.824967000
1	136.541593000	0.696434000	4.809569000
1	137.429922000	6.958553000	3.994758000
1	131.826917000	8.115006000	6.829752000
1	130.886295000	1.845910000	7.518427000
6	132.326068000	8.184579000	10.159206000
7	133.350359000	8.971575000	9.682220000
8	131.142309000	8.405808000	9.976908000
16	135.188885000	8.819023000	11.804962000
6	132.881143000	7.017690000	10.980034000
7	133.981784000	6.371306000	10.296987000
8	135.880069000	6.701503000	9.037610000
16	133.451784000	7.876322000	12.588316000
6	131.891902000	5.883968000	11.297685000
8	137.027571000	9.239960000	9.480303000
6	132.804035000	4.694188000	11.387175000
6	132.826294000	3.699571000	12.321827000
6	133.966278000	2.866064000	12.455155000
6	135.149028000	3.163148000	11.725131000
6	135.196656000	4.165088000	10.795971000
6	133.933119000	4.875270000	10.403292000
6	134.926314000	7.128794000	9.699486000
6	134.713928000	8.631717000	9.956881000
6	135.689485000	9.486530000	9.134071000
1	131.996380000	3.588882000	13.016455000
1	133.967098000	2.063678000	13.185821000
1	131.312584000	6.071093000	12.205426000
1	131.186236000	5.822664000	10.457037000
1	136.047432000	2.585405000	11.927821000
1	136.095540000	4.384323000	10.232752000
1	133.657662000	4.514478000	9.394900000
1	135.486384000	9.285248000	8.071831000
1	135.491163000	10.544619000	9.336020000
1	133.112204000	9.905564000	9.366064000
1	135.371541000	5.280313000	7.661479000
1	137.181180000	8.301410000	9.258424000
1	138.428997000	2.153938000	3.726684000
1	136.083259000	9.135204000	4.569715000
1	129.920057000	6.659373000	7.854882000
1	132.263674000	-0.327392000	7.004251000
1	138.807116000	4.817110000	3.379576000
1	133.693232000	9.627953000	5.754383000
1	129.494944000	3.987724000	8.110706000
1	134.674575000	-0.815189000	5.861260000

²IM2_A:

16	133.414223000	4.207544000	3.699761000
1	132.127858000	4.529011000	3.962807000
7	136.020673000	4.014950000	4.991046000
7	134.500889000	6.350017000	5.612472000
7	133.986918000	2.378004000	6.143235000
6	136.122566000	1.573553000	5.242263000
6	136.691688000	6.328497000	4.503090000
6	132.345546000	7.149754000	6.477973000
6	131.717053000	2.379719000	7.073001000
6	136.639186000	2.799562000	4.847451000
6	135.571112000	6.967325000	5.013563000
6	131.790131000	5.915226000	6.781582000
6	132.882407000	1.753080000	6.659371000
8	134.952311000	4.438797000	7.494075000
6	137.931772000	2.976379000	4.233905000
6	135.351418000	8.390607000	4.961650000
6	130.494251000	5.738313000	7.388966000
6	133.098029000	0.325858000	6.701973000
6	138.088622000	4.311555000	4.019546000
6	134.129352000	8.621992000	5.519150000
6	130.311227000	4.396137000	7.540539000
6	134.340280000	0.100720000	6.196348000
6	136.894120000	4.956463000	4.505056000
6	133.599168000	7.339931000	5.912969000
6	131.497131000	3.749692000	7.036002000
6	134.885604000	1.388963000	5.839010000
7	132.377427000	4.691410000	6.562373000
26	134.237121000	4.353725000	5.858390000
1	136.729101000	0.692420000	5.059888000
1	137.469372000	6.949003000	4.069844000
1	131.748354000	8.029424000	6.693793000
1	130.922798000	1.754905000	7.468482000
6	132.214360000	8.166309000	10.005012000
7	133.224479000	8.980373000	9.543190000
8	131.030208000	8.338912000	9.777916000
16	134.985576000	8.952754000	11.735805000
6	132.782545000	7.041574000	10.874240000
7	133.934466000	6.424756000	10.253138000
8	135.860988000	6.794620000	9.050578000
16	133.256461000	7.963812000	12.479953000
6	131.827553000	5.875866000	11.180302000
8	136.893652000	9.387435000	9.468526000
6	132.781837000	4.726080000	11.337061000
6	132.796526000	3.747922000	12.289617000
6	133.962766000	2.968138000	12.497391000
6	135.169558000	3.307872000	11.827826000
6	135.221912000	4.296223000	10.884343000
6	133.949438000	4.933473000	10.406740000
6	134.869127000	7.202822000	9.666815000
6	134.588859000	8.701530000	9.875128000
6	135.561223000	9.573353000	9.066899000
1	131.937441000	3.613488000	12.943353000
1	133.959746000	2.178424000	13.241758000
1	131.204470000	6.059942000	12.059218000
1	131.159586000	5.765668000	10.314284000
1	136.081095000	2.777231000	12.091499000
1	136.140035000	4.551734000	10.369105000
1	133.749208000	4.528890000	9.394830000
1	135.405738000	9.338088000	8.003560000
1	135.315688000	10.627655000	9.233605000
1	132.962056000	9.897579000	9.198335000
1	135.366947000	5.305205000	7.688283000
1	137.090728000	8.449990000	9.278361000
1	138.619383000	2.171068000	4.009435000
1	136.045864000	9.104031000	4.536646000
1	129.839111000	6.550408000	7.675961000
1	132.377699000	-0.392925000	7.071227000
1	138.932235000	4.831255000	3.583685000
1	133.608867000	9.564303000	5.635682000
1	129.461993000	3.874936000	7.963995000
1	134.854706000	-0.842160000	6.061627000

TS3A:

16	133.313721000	3.917977000	3.673359000
1	132.005369000	4.123066000	3.945015000
7	135.978545000	3.894310000	5.102816000
7	134.405730000	6.218621000	5.609619000
7	133.965286000	2.253049000	6.302842000
6	136.121421000	1.463163000	5.444215000
6	136.612803000	6.201630000	4.538461000
6	132.227263000	7.007206000	6.427214000
6	131.685032000	2.249964000	7.205617000
6	136.617598000	2.683601000	5.005818000
6	135.477235000	6.839195000	5.017474000
6	131.680722000	5.772613000	6.759941000
6	132.868684000	1.628283000	6.833410000
8	134.918574000	4.433512000	7.665512000
6	137.910390000	2.860710000	4.392850000
6	135.242159000	8.260199000	4.940762000
6	130.375524000	5.589778000	7.343943000
6	133.110870000	0.207225000	6.933457000
6	138.046338000	4.190601000	4.131784000
6	134.011417000	8.486272000	5.478688000
6	130.220867000	4.251027000	7.554376000
6	134.361636000	-0.013158000	6.445326000
6	136.838309000	4.832078000	4.587471000
6	133.488975000	7.203199000	5.883159000
6	131.432128000	3.612609000	7.104971000
6	134.884024000	1.272275000	6.042736000
7	132.300330000	4.555209000	6.609678000
26	134.166995000	4.225430000	5.899110000
1	136.746432000	0.588428000	5.294921000
1	137.386207000	6.820109000	4.094451000
1	131.610445000	7.885463000	6.590825000
1	130.896907000	1.624973000	7.613645000
6	132.556263000	8.626689000	10.897336000
7	133.528650000	9.423162000	10.332656000
8	131.399493000	8.960236000	11.069285000
16	135.739142000	8.738235000	11.929950000
6	133.140552000	7.273010000	11.311408000
7	133.993215000	6.732050000	10.272309000
8	135.669360000	7.181317000	8.763551000
16	134.138109000	7.698040000	12.878530000
6	132.106906000	6.169263000	11.600880000
8	137.092401000	9.536428000	9.373971000
6	132.799088000	4.924259000	11.120318000
6	132.736172000	3.646058000	11.555924000
6	133.690295000	2.682252000	11.068810000
6	134.797296000	3.074847000	10.325717000
6	134.945599000	4.391761000	9.872136000
6	133.750846000	5.298593000	10.011028000
6	134.894446000	7.532127000	9.658038000
6	134.880210000	8.957770000	10.230885000
6	135.739582000	9.906175000	9.379446000
1	132.028883000	3.350872000	12.326887000
1	133.614966000	1.655195000	11.413571000
1	131.813050000	6.131391000	12.653291000
1	131.203419000	6.405503000	11.020828000
1	135.598703000	2.365502000	10.142137000
1	135.923195000	4.800893000	9.664114000
1	133.211177000	5.229406000	9.051612000
1	135.302657000	9.915776000	8.368878000
1	135.678966000	10.915934000	9.798722000
1	133.330553000	10.416535000	10.270618000
1	135.305058000	5.333171000	7.671894000
1	137.117620000	8.654441000	8.955560000
1	138.612969000	2.060319000	4.198669000
1	135.934124000	8.975470000	4.514568000
1	129.679803000	6.391006000	7.559562000
1	132.400753000	-0.512302000	7.321172000
1	138.883774000	4.707318000	3.680515000
1	133.480642000	9.425012000	5.577228000
1	129.373059000	3.730270000	7.981363000
1	134.892902000	-0.951431000	6.347667000

TS3A:

16	134.137855000	3.421345000	3.692331000
1	133.753515000	4.477596000	2.941031000
7	135.759716000	4.790197000	5.919493000
7	133.437343000	6.130920000	4.938987000
7	134.176633000	2.490517000	6.515978000
6	136.586587000	2.719103000	6.942099000
6	135.726758000	7.007237000	4.861234000
6	130.994858000	6.000491000	4.778800000
6	131.907125000	1.557249000	6.470938000
6	136.753197000	4.007771000	6.448483000
6	134.359590000	7.095534000	4.628066000
6	130.832874000	4.712712000	5.270831000
6	133.272797000	1.474636000	6.705821000
8	133.507644000	5.092889000	7.419146000
6	138.020125000	4.694226000	6.367439000
6	133.697892000	8.252539000	4.068714000
6	129.562389000	4.030409000	5.352024000
6	133.937888000	0.317790000	7.256851000
6	137.781313000	5.889047000	5.758851000
6	132.364935000	7.978497000	4.066766000
6	129.818807000	2.774228000	5.807990000
6	135.248714000	0.654049000	7.413920000
6	136.366190000	5.939283000	5.476678000
6	132.212460000	6.649954000	4.615133000
6	131.245259000	2.690104000	6.016604000
6	135.390904000	2.012062000	6.944886000
7	131.838159000	3.881812000	5.695588000
26	133.795645000	4.306188000	5.769370000
1	137.467964000	2.211947000	7.322308000
1	136.340655000	7.851585000	4.563006000
1	130.099521000	6.533464000	4.473645000
1	131.308853000	0.674413000	6.674217000
6	134.348702000	8.795230000	11.820943000
7	135.454888000	9.162575000	11.084692000
8	133.615301000	9.568338000	12.405869000
16	137.224454000	7.080674000	11.757027000
6	134.188399000	7.271670000	11.836574000
7	134.385215000	6.710308000	10.517645000
8	135.647702000	6.759020000	8.601636000
16	135.560345000	6.714726000	13.038311000
6	132.809047000	6.755718000	12.283795000
8	138.234514000	7.836509000	9.037750000
6	132.641757000	5.503436000	11.467375000
6	132.024910000	4.333602000	11.759710000
6	132.260376000	3.183863000	10.931949000
6	133.266478000	3.183711000	9.962770000
6	133.957707000	4.346248000	9.636053000
6	133.422066000	5.642828000	10.183643000
6	135.410874000	7.142570000	9.749560000
6	136.288950000	8.165690000	10.481464000
6	137.327731000	8.784870000	9.531818000
1	131.427095000	4.226804000	12.661296000
1	131.747282000	2.256482000	11.168416000
1	132.749439000	6.585393000	13.361932000
1	132.072327000	7.534288000	12.039608000
1	133.562190000	2.247227000	9.500758000
1	134.905368000	4.310280000	9.120532000
1	132.751141000	6.036191000	9.395208000
1	136.769106000	9.293257000	8.731065000
1	137.908625000	9.533638000	10.080542000
1	135.808290000	10.103752000	11.223366000
1	134.260199000	5.706325000	7.560204000
1	137.715213000	7.216709000	8.489871000
1	138.962730000	4.292374000	6.717097000
1	134.203299000	9.150786000	3.736873000
1	128.610696000	4.468176000	5.078284000
1	133.449586000	-0.619812000	7.491364000
1	138.488112000	6.669512000	5.503943000
1	131.547429000	8.603673000	3.730326000
1	129.121384000	1.966091000	5.989146000
1	136.058748000	0.048645000	7.800862000

⁴ PrA:				² PrA:			
16	133.315231000	3.848814000	3.397312000	16	134.188560000	3.424064000	3.742894000
1	132.055628000	3.427966000	3.653366000	1	134.925986000	4.431287000	3.222383000
7	135.920115000	4.080558000	5.316373000	7	135.629703000	5.084336000	5.925494000
7	134.001661000	6.116840000	5.754002000	7	133.204408000	6.103135000	4.924545000
7	134.040594000	2.120063000	6.149875000	7	134.277068000	2.676530000	6.727935000
6	136.359551000	1.668590000	5.484650000	6	136.656760000	3.176920000	7.087807000
6	136.290870000	6.480831000	4.948394000	6	135.366706000	7.255996000	4.819369000
6	131.683618000	6.572238000	6.423440000	6	130.819025000	5.613834000	4.591432000
6	131.726626000	1.746762000	6.873978000	6	132.164855000	1.433826000	6.623033000
6	136.729400000	2.973996000	5.198337000	6	136.698534000	4.428201000	6.485770000
6	135.034145000	6.921254000	5.333367000	6	133.999816000	7.174514000	4.593248000
6	131.291753000	5.258771000	6.644068000	6	130.796814000	4.326723000	5.110319000
6	133.005614000	1.313710000	6.558780000	6	133.504487000	1.564964000	6.965915000
8	135.137040000	4.357783000	8.450436000	8	133.378436000	5.450516000	7.762278000
6	138.040569000	6.360623000	4.746773000	6	137.894585000	5.225027000	6.357930000
6	134.626836000	8.303688000	5.338957000	6	133.213445000	8.206359000	3.961568000
6	129.978576000	4.869151000	7.084239000	6	129.626940000	3.480188000	5.127749000
6	133.433232000	-0.062500000	6.611042000	6	134.286103000	0.539998000	7.613647000
6	138.021075000	4.713739000	4.591380000	6	137.538280000	6.368800000	5.704284000
6	133.332347000	8.330587000	5.761682000	6	131.934453000	7.745303000	3.908307000
6	129.990026000	3.511540000	7.207932000	6	130.006117000	2.295832000	5.680264000
6	134.737810000	-0.082762000	6.223235000	6	135.544947000	1.037599000	7.754275000
6	136.698493000	5.154788000	4.950861000	6	136.123575000	6.272563000	5.442667000
6	132.948008000	6.963294000	6.008403000	6	131.939929000	6.428186000	4.500427000
6	131.310905000	3.070307000	6.847397000	6	131.405673000	2.421934000	6.009995000
6	135.106365000	1.280305000	5.931668000	6	135.535711000	2.363670000	7.183429000
7	132.095170000	4.148147000	6.498912000	7	131.867415000	3.669505000	5.663134000
26	133.954968000	4.092550000	5.734584000	26	133.760472000	4.351642000	5.736356000
1	137.107483000	0.893956000	5.348667000	1	137.586481000	2.791507000	7.494884000
1	137.012285000	7.227832000	4.632904000	1	135.878916000	8.156135000	4.493862000
1	130.941910000	7.349601000	6.578578000	1	129.886579000	6.007320000	4.198104000
1	131.000217000	0.997939000	7.173581000	1	131.675766000	0.492675000	6.854690000
6	133.246447000	9.073123000	10.943310000	6	135.209631000	8.143602000	12.385580000
7	134.302643000	9.655243000	10.277647000	7	136.244678000	8.518541000	11.556776000
8	132.206491000	9.637327000	11.223456000	8	134.804505000	8.796240000	13.327870000
16	136.466290000	8.539377000	11.684574000	16	137.503046000	6.030262000	11.171348000
6	133.576385000	7.624354000	11.311867000	6	134.660039000	6.771842000	11.980355000
7	134.183759000	6.923846000	10.190476000	7	134.484723000	6.680971000	10.539801000
8	135.856388000	7.019868000	8.607267000	8	135.466981000	7.085825000	8.500346000
16	134.785287000	7.803107000	12.768951000	16	135.993615000	5.569672000	12.604253000
6	132.377417000	6.762419000	11.726465000	6	133.292780000	6.416670000	12.574782000
8	137.725493000	9.067839000	9.029570000	8	138.388344000	7.418363000	8.767624000
6	132.720329000	5.407680000	11.170900000	6	132.625886000	5.644830000	11.469864000
6	132.391606000	4.188366000	11.612806000	6	131.705714000	4.676657000	11.536223000
6	132.914397000	2.999293000	10.926202000	6	131.262913000	4.014846000	10.303953000
6	133.930330000	3.101988000	10.056480000	6	131.960746000	4.142983000	9.165717000
6	134.611563000	4.423202000	9.764345000	6	133.245063000	4.941978000	9.093484000
6	133.605629000	5.575918000	9.947329000	6	133.189992000	6.086178000	10.126559000
6	135.200450000	7.521194000	9.529143000	6	135.482965000	7.113875000	9.734285000
6	135.515668000	8.923681000	10.067801000	6	136.691908000	7.638369000	10.519510000
6	136.468225000	9.680795000	9.126834000	6	137.715801000	8.323766000	9.599082000
1	131.748728000	4.061789000	12.480618000	1	131.289908000	4.363216000	12.490731000
1	132.480655000	2.031031000	11.160531000	1	130.376101000	3.388042000	10.338129000
1	132.209392000	6.764932000	12.806730000	1	133.371360000	5.857922000	13.511091000
1	131.481814000	7.196537000	11.260457000	1	132.778075000	7.359683000	12.805999000
1	134.355499000	2.236433000	9.557943000	1	131.669951000	3.631579000	8.257550000
1	135.431030000	4.558253000	10.495648000	1	134.095695000	4.279641000	9.326552000
1	132.992565000	5.627290000	9.034144000	1	132.564886000	6.882421000	9.689153000
1	135.960115000	9.760010000	8.153295000	1	137.182767000	9.102930000	9.035008000
1	136.628307000	10.689372000	9.522188000	1	138.475439000	8.804121000	10.225336000
1	134.309368000	10.668522000	10.222029000	1	136.853853000	9.259238000	11.888626000
1	135.551363000	5.226882000	8.267215000	1	134.159629000	6.050097000	7.761184000
1	137.554772000	8.183451000	8.652819000	1	137.746318000	7.061494000	8.124099000
1	138.860426000	2.674078000	4.578500000	1	138.872593000	4.933675000	6.719571000
1	135.258308000	9.131877000	5.042574000	1	133.605751000	9.152751000	3.611274000
1	129.163359000	5.556397000	7.272111000	1	128.652556000	3.769051000	4.754338000
1	132.803446000	-0.892293000	6.905967000	1	133.905792000	-0.428887000	7.911718000
1	138.821539000	5.367655000	4.269528000	1	138.165869000	7.203581000	5.418028000
1	132.679120000	9.185067000	5.886264000	1	131.057265000	8.233815000	3.503113000
1	129.186321000	2.856605000	7.519749000	1	129.408067000	1.410827000	5.857389000
1	135.402793000	-0.932298000	6.133592000	1	136.414088000	0.561416000	8.190226000

TS4A:

16	133.709434000	3.747317000	3.776748000
1	132.564502000	3.029949000	3.842414000
7	136.090000000	3.217071000	5.603157000
7	134.774105000	5.712728000	5.820015000
7	133.635510000	1.864654000	6.256958000
6	135.792996000	0.788857000	5.782341000
6	137.132831000	5.403856000	5.229213000
6	132.609022000	6.787059000	6.259641000
6	131.254626000	2.161113000	6.765594000
6	136.552213000	1.929123000	5.554594000
6	136.010704000	6.190974000	5.460862000
6	131.852401000	5.644911000	6.491940000
6	132.379873000	1.378614000	6.543161000
8	134.799804000	3.892097000	7.896685000
6	137.960494000	1.915221000	5.224729000
6	135.977598000	7.628612000	5.351799000
6	130.447638000	5.660228000	6.822987000
6	132.399278000	-0.064124000	6.578355000
6	138.338858000	3.211755000	5.069932000
6	134.704454000	8.015336000	5.645713000
6	130.060265000	4.360946000	6.960961000
6	133.676709000	-0.445052000	6.302831000
6	137.162734000	4.018211000	5.306880000
6	133.958085000	6.811832000	5.928111000
6	131.230441000	3.551566000	6.719885000
6	134.439589000	0.764066000	6.097313000
7	132.311944000	4.350276000	6.444228000
26	134.189761000	3.776965000	5.989869000
1	136.298397000	-0.168521000	5.696948000
1	138.054794000	5.911574000	4.962958000
1	132.105126000	7.743603000	6.352299000
1	130.322404000	1.649822000	6.986120000
6	133.835752000	8.456307000	11.741377000
7	134.424707000	9.596363000	11.252189000
8	133.946830000	8.095028000	12.902798000
16	136.047990000	9.253590000	8.949230000
6	132.950475000	7.728575000	10.742494000
7	132.665756000	8.186415000	9.571343000
8	132.821267000	9.947657000	8.136434000
16	136.414641000	7.518202000	9.814200000
6	132.351764000	6.424625000	11.205969000
8	134.833578000	11.843453000	8.366728000
6	133.261585000	5.238812000	10.893412000
6	134.374501000	4.952704000	11.711570000
6	135.189274000	3.840269000	11.437583000
6	134.920683000	3.020261000	10.357426000
6	133.838932000	3.326436000	9.467112000
6	132.980717000	4.421963000	9.807954000
6	133.248455000	9.385547000	9.134560000
6	134.445229000	9.964646000	9.884544000
6	134.553376000	11.492477000	9.695382000
1	134.586440000	5.589261000	12.565432000
1	136.026477000	3.619071000	12.093941000
1	132.176314000	6.486504000	12.283777000
1	131.398550000	6.299557000	10.686706000
1	135.541134000	2.155668000	10.145228000
1	133.430975000	2.531374000	8.854439000
1	132.110021000	4.612036000	9.190278000
1	133.617097000	11.941572000	10.062749000
1	135.376242000	11.870875000	10.312264000
1	135.076693000	10.046242000	11.888450000
1	135.023278000	4.825014000	8.076204000
1	134.085438000	11.499644000	7.841680000
1	138.561363000	1.019897000	5.126620000
1	136.825044000	8.246766000	5.083912000
1	129.850999000	6.557656000	6.925423000
1	131.538772000	-0.687782000	6.785520000
1	139.315413000	3.605611000	4.818139000
1	134.289269000	9.014376000	5.670547000
1	129.078540000	3.970921000	7.199025000
1	134.081673000	-1.447066000	6.236614000

TS4A:

16	133.855817000	3.825514000	3.722735000
1	132.719207000	3.092222000	3.743297000
7	136.203750000	3.336253000	5.591377000
7	134.795735000	5.776932000	5.849275000
7	133.784945000	1.881291000	6.152533000
6	135.988575000	0.894964000	5.695576000
6	137.176510000	5.567632000	5.304088000
6	132.584337000	6.762838000	6.264434000
6	131.384242000	2.080234000	6.613879000
6	136.711689000	2.066798000	5.516320000
6	136.022811000	6.307950000	5.533749000
6	131.862972000	5.588842000	6.443162000
6	132.541591000	1.344136000	6.398098000
8	134.839535000	3.896760000	7.872256000
6	138.126061000	2.111008000	5.216563000
6	135.942368000	7.746557000	5.468097000
6	130.451251000	5.546047000	6.740664000
6	132.611411000	-0.097412000	6.395453000
6	138.461917000	3.423787000	5.106962000
6	134.650318000	8.080404000	5.742615000
6	130.107419000	4.230747000	6.836035000
6	133.906957000	-0.425877000	6.137407000
6	137.253570000	4.181969000	5.341436000
6	133.939784000	6.843850000	5.969865000
6	131.310962000	3.469739000	6.601877000
6	134.630629000	0.814306000	5.980975000
7	132.369212000	4.312836000	6.371715000
26	134.276062000	3.817265000	5.947915000
1	136.528935000	-0.041533000	5.594277000
1	138.085441000	6.114799000	5.073534000
1	132.045484000	7.698419000	6.372723000
1	130.466355000	1.530762000	6.800026000
6	133.631016000	8.358391000	11.822523000
7	134.193196000	9.533792000	11.387956000
8	133.711097000	7.968850000	12.977233000
16	135.921353000	9.320140000	9.144395000
6	132.814905000	7.625448000	10.769821000
7	132.562554000	8.102900000	9.599211000
8	132.706504000	9.906398000	8.216981000
16	136.344715000	7.596061000	10.004543000
6	132.244237000	6.289953000	11.175298000
8	134.629312000	11.873411000	8.581580000
6	133.198553000	5.141292000	10.857304000
6	134.303032000	4.873880000	11.693101000
6	135.156623000	3.791655000	11.416571000
6	134.934417000	2.983168000	10.317329000
6	133.862691000	3.273444000	9.409716000
6	132.965176000	4.336795000	9.751535000
6	133.114369000	9.335250000	9.218906000
6	134.253450000	9.941521000	10.033166000
6	134.307495000	11.476780000	9.887736000
1	134.477554000	5.499799000	12.563164000
1	135.986672000	3.583663000	12.086193000
1	132.033254000	6.313636000	12.248270000
1	131.312002000	6.151551000	10.622409000
1	135.584419000	2.141029000	10.103348000
1	133.491250000	2.477832000	8.774775000
1	132.102374000	4.512863000	9.118746000
1	133.339179000	11.878953000	10.225197000
1	135.087562000	11.870416000	10.549093000
1	134.799809000	9.990918000	12.062782000
1	135.032999000	4.830953000	8.077173000
1	133.918059000	11.515457000	8.016300000
1	138.759871000	1.240182000	5.105974000
1	136.773913000	8.401045000	5.239524000
1	129.820485000	6.418832000	6.851662000
1	131.769348000	-0.756099000	6.566923000
1	139.429047000	3.858266000	4.887685000
1	134.199931000	9.063345000	5.788771000
1	129.135096000	3.800307000	7.040755000
1	134.348464000	-1.410949000	6.052874000

⁴IM4_A:

16	133.696360000	3.669413000	3.733301000
1	132.498347000	3.047580000	3.822996000
7	136.072282000	3.186693000	5.568360000
7	134.772885000	5.680419000	5.789629000
7	133.618870000	1.848882000	6.243702000
6	135.764258000	0.757361000	5.746946000
6	137.133951000	5.366293000	5.202739000
6	132.609414000	6.772412000	6.209667000
6	131.243936000	2.157633000	6.776771000
6	136.524923000	1.893829000	5.507432000
6	136.015337000	6.155781000	5.437471000
6	131.846038000	5.634275000	6.438557000
6	132.366686000	1.370931000	6.555318000
8	134.791686000	3.901584000	8.028505000
6	137.929066000	1.870942000	5.164883000
6	135.990382000	7.593274000	5.337040000
6	130.442764000	5.656672000	6.775605000
6	132.381896000	-0.070757000	6.609343000
6	138.317506000	3.165535000	5.015304000
6	134.716944000	7.985215000	5.622833000
6	130.054852000	4.360554000	6.937221000
6	133.652985000	-0.460218000	6.315945000
6	137.151011000	3.798370000	5.266387000
6	133.961244000	6.785949000	5.893555000
6	131.221586000	3.545457000	6.702016000
6	134.416548000	0.742616000	6.082672000
7	132.304045000	4.338526000	6.404829000
26	134.170583000	3.755134000	5.918264000
1	136.263784000	-0.202713000	5.658558000
1	138.058853000	5.870069000	4.939631000
1	132.110654000	7.732276000	6.296599000
1	130.313891000	1.651521000	7.017050000
6	133.777912000	8.465904000	11.790335000
7	134.383159000	9.597043000	11.297360000
8	133.873949000	8.112097000	12.954786000
16	135.998406000	9.214309000	8.989152000
6	132.899120000	7.738069000	10.786452000
7	132.617615000	8.197630000	9.614917000
8	132.780814000	9.962712000	8.184621000
16	136.360511000	7.496690000	9.890536000
6	132.321592000	6.420502000	11.232201000
8	134.828187000	11.821835000	8.400100000
6	133.275909000	5.272613000	10.901327000
6	134.293996000	4.905158000	11.823729000
6	135.191985000	3.854546000	11.506872000
6	135.112750000	3.183946000	10.317063000
6	134.095998000	3.536298000	9.274901000
6	133.156833000	4.622069000	9.700800000
6	133.205058000	9.394405000	9.180392000
6	134.410062000	9.959239000	9.928946000
6	134.544304000	11.483483000	9.731444000
1	134.384851000	5.441068000	12.762939000
1	135.958398000	3.584306000	12.229125000
1	132.137915000	6.458588000	12.309219000
1	131.376862000	6.277603000	10.702538000
1	135.808983000	2.387818000	10.069587000
1	133.538463000	2.646014000	8.956441000
1	132.379915000	4.898455000	8.996916000
1	133.616417000	11.950742000	10.097390000
1	135.374543000	11.851344000	10.344812000
1	135.035436000	10.044830000	11.934735000
1	135.198530000	4.780367000	8.135647000
1	134.071918000	11.489821000	7.878972000
1	138.521915000	0.971321000	5.057408000
1	136.843126000	8.208132000	5.078459000
1	129.848945000	6.556770000	6.871003000
1	131.522875000	-0.688295000	6.839795000
1	139.295591000	3.552712000	4.759063000
1	134.307206000	8.986605000	5.648837000
1	129.074850000	3.975924000	7.190573000
1	134.053363000	-1.464480000	6.255978000

⁴Re_{A,B3LYP-D3}:

16	133.438110000	3.615843000	3.852941000
1	132.965584000	4.709745000	3.215902000
7	135.303850000	4.425285000	6.381413000
7	133.550554000	6.416362000	5.346621000
7	133.103923000	2.644051000	6.668814000
6	135.443887000	2.111872000	7.171234000
6	135.975031000	6.653288000	5.615854000
6	131.224655000	6.924770000	4.768110000
6	130.673004000	2.420589000	6.436821000
6	135.998387000	3.343147000	6.855651000
6	134.726576000	7.115989000	5.233456000
6	130.661024000	5.713270000	5.131945000
6	131.930647000	1.938373000	6.774364000
8	133.040938000	5.152152000	7.660289000
6	137.406493000	3.646078000	6.939196000
6	134.485119000	8.411370000	4.647759000
6	129.258137000	5.395950000	5.025823000
6	132.189726000	0.607939000	7.262352000
6	137.555428000	4.924315000	6.496753000
6	133.147785000	8.492650000	4.416168000
6	129.103394000	4.130893000	5.501386000
6	133.536798000	0.511771000	7.442695000
6	136.237032000	5.395190000	6.147784000
6	132.575556000	7.244816000	4.859026000
6	130.411578000	3.667952000	5.894586000
6	134.096646000	1.788547000	7.078867000
7	131.352891000	4.641220000	5.650844000
26	133.302175000	4.582680000	6.146894000
1	136.117342000	1.339951000	7.529332000
1	136.816358000	7.326171000	5.492895000
1	130.559645000	7.684171000	4.368672000
1	129.828860000	1.753598000	6.581769000
6	135.030431000	7.642442000	11.322442000
7	135.583836000	8.787103000	10.791046000
8	134.911870000	7.446665000	12.519277000
16	137.132083000	7.619178000	8.775830000
6	134.620573000	6.639024000	10.231658000
7	134.002895000	7.319826000	9.125876000
8	134.174016000	9.030945000	7.610378000
16	136.326441000	5.885745000	9.725795000
6	133.698300000	5.525057000	10.774368000
8	136.585881000	10.361733000	7.596457000
6	134.386768000	4.240508000	11.182374000
6	135.082651000	4.136824000	12.395540000
6	135.705610000	2.938977000	12.747239000
6	135.637407000	1.833127000	11.894963000
6	134.946057000	1.931512000	10.685656000
6	134.325569000	3.129925000	10.329926000
6	134.575494000	8.441177000	8.612933000
6	135.826131000	8.877810000	9.383674000
6	136.284237000	10.283568000	8.966767000
1	135.136684000	5.003889000	13.047162000
1	136.243553000	2.867956000	13.688999000
1	133.165920000	5.955148000	11.628297000
1	132.970069000	5.298748000	9.994126000
1	136.119193000	0.899510000	12.174428000
1	134.880178000	1.076444000	10.018356000
1	133.794777000	3.217658000	9.386572000
1	135.480690000	10.978303000	9.261406000
1	137.191083000	10.547403000	9.521475000
1	136.133162000	9.352867000	11.429904000
1	133.464808000	6.728632000	8.475428000
1	135.756734000	10.094534000	7.149528000
1	138.163493000	2.958149000	7.292240000
1	135.252654000	9.150996000	4.460866000
1	128.504892000	6.069286000	4.637619000
1	131.430146000	-0.144698000	7.429095000
1	138.459077000	5.512918000	6.410717000
1	132.581760000	9.313312000	3.995341000
1	128.196090000	3.546634000	5.584259000
1	134.113494000	-0.335667000	7.790268000

⁴IM1_{A,B3LYP-D3:}

16	133.048162000	4.728963000	3.627041000
1	131.760476000	4.721971000	4.036806000
7	135.727174000	4.233831000	4.664027000
7	134.315647000	6.394145000	5.882555000
7	133.707989000	2.416223000	5.539872000
6	135.698230000	1.814257000	4.240748000
6	136.498928000	6.562920000	4.769564000
6	132.167530000	7.047115000	6.879459000
6	131.569653000	2.238664000	6.726947000
6	136.259289000	3.080185000	4.150290000
6	135.398403000	7.100474000	5.417864000
6	131.622328000	5.776338000	6.995936000
6	132.658528000	1.704750000	6.052824000
8	134.844406000	4.045589000	7.229674000
6	137.535093000	4.2359612000	3.537989000
6	135.193449000	8.510577000	5.629810000
6	130.359085000	5.492772000	7.630551000
6	132.817638000	0.302246000	5.744421000
6	137.772613000	4.689164000	3.709090000
6	133.961909000	8.649867000	6.197862000
6	130.203735000	4.139074000	7.611542000
6	133.966234000	0.186002000	5.024657000
6	136.637173000	5.229342000	4.416017000
6	133.416343000	7.323687000	6.344932000
6	131.364136000	3.590724000	6.952845000
6	134.518670000	1.514923000	4.902136000
7	132.211326000	4.607017000	6.579268000
26	134.013554000	4.396783000	5.699569000
1	136.238133000	0.993512000	3.779915000
1	137.295352000	7.242697000	4.485863000
1	131.575686000	7.880017000	7.243485000
1	130.808478000	1.549861000	7.078469000
6	133.027957000	7.444853000	10.035169000
7	133.790042000	8.589567000	9.983880000
8	131.844607000	7.446423000	10.335871000
16	136.185271000	8.411385000	11.507467000
6	133.761070000	6.189621000	9.598783000
7	134.936913000	6.209873000	9.060640000
8	136.664209000	7.474203000	8.281602000
16	135.058599000	7.216054000	12.603786000
6	133.064654000	4.882768000	9.836010000
8	137.091249000	10.044259000	9.241864000
6	133.361905000	4.445098000	11.264276000
6	132.486645000	4.772338000	12.305388000
6	132.804382000	4.435186000	13.622484000
6	134.001318000	3.773290000	13.908269000
6	134.878412000	3.446083000	12.870899000
6	134.561856000	3.783968000	11.554250000
6	135.650722000	7.408278000	8.960731000
6	135.192743000	8.602487000	9.790610000
6	135.691178000	9.937967000	9.207630000
1	131.572597000	5.314939000	12.081108000
1	132.119639000	4.693988000	14.425764000
1	131.990887000	5.013977000	9.697275000
1	133.441746000	4.157767000	9.110484000
1	134.250653000	3.516156000	14.934143000
1	135.811526000	2.932928000	13.086874000
1	135.247527000	3.545596000	10.745108000
1	135.286539000	10.015566000	8.187907000
1	135.286766000	10.761902000	9.806876000
1	133.346253000	9.413637000	10.377494000
1	135.118851000	4.862954000	7.709371000
1	137.422403000	9.287589000	8.720182000
1	138.159184000	2.617447000	3.057094000
1	135.905469000	9.279787000	5.360175000
1	129.710411000	6.244450000	8.06059000
1	132.122713000	-0.473040000	6.040638000
1	138.630781000	5.269159000	3.394941000
1	133.445126000	9.557393000	6.483158000
1	129.386741000	3.547899000	8.004927000
1	134.416950000	-0.705928000	4.608786000

⁴Re_{A,PBE0:}

16	133.235098000	3.657885000	3.665351000
1	132.441977000	4.503382000	2.976164000
7	135.242170000	5.299897000	5.604669000
7	132.876257000	6.596041000	4.758455000
7	133.709871000	3.133793000	6.563943000
6	136.135644000	3.345650000	6.759241000
6	135.145913000	7.420960000	4.403055000
6	130.439730000	6.461715000	4.719926000
6	131.452694000	2.217025000	6.754414000
6	136.269069000	4.567155000	6.119815000
6	133.769771000	7.523239000	4.306025000
6	130.312235000	5.198353000	5.262377000
6	132.825782000	2.158398000	6.927357000
8	133.171284000	5.675008000	7.215924000
6	137.531076000	5.206266000	5.863906000
6	133.085604000	8.642599000	3.720096000
6	129.059563000	4.523166000	5.456926000
6	133.511912000	1.054422000	7.539135000
6	137.252696000	6.337273000	5.168502000
6	131.757376000	8.385705000	3.834256000
6	129.346949000	3.322166000	6.018615000
6	134.830753000	1.378830000	7.554256000
6	135.823950000	6.385848000	5.024554000
6	131.644306000	7.105140000	4.476436000
6	130.773650000	3.267678000	6.172159000
6	134.939925000	2.674501000	6.944411000
7	131.353281000	4.413886000	5.689612000
26	133.287467000	4.927759000	5.779596000
1	137.039808000	2.870400000	7.125751000
1	135.739107000	8.232606000	3.994227000
1	129.528578000	6.980212000	4.437604000
1	130.867021000	1.372312000	7.103445000
6	135.268002000	7.269869000	11.418753000
7	136.361903000	8.023787000	11.088597000
8	134.663367000	7.383287000	12.465861000
16	137.898468000	6.130135000	9.760554000
6	134.926728000	6.266885000	10.311574000
7	134.969948000	6.922250000	9.040221000
8	136.199168000	8.251159000	7.636511000
16	136.310333000	4.979830000	10.513128000
6	133.574306000	5.577554000	10.527696000
8	138.804603000	8.631916000	8.420214000
6	133.584118000	4.362710000	11.425630000
6	133.532143000	4.472225000	12.819607000
6	133.520500000	3.331036000	13.615064000
6	133.562708000	2.065170000	13.033329000
6	133.613098000	1.946408000	11.647790000
6	133.618111000	3.087969000	10.850685000
6	136.028071000	7.701272000	8.720094000
6	137.039990000	7.803664000	9.858881000
6	138.077217000	8.890217000	9.580023000
1	133.516165000	5.459729000	13.269973000
1	133.479276000	3.430993000	14.696619000
1	132.899354000	6.341651000	10.928955000
1	133.200700000	5.287275000	9.539989000
1	133.554073000	1.176144000	13.658741000
1	133.643476000	0.964928000	11.181320000
1	133.648545000	2.991117000	9.768302000
1	137.531812000	9.847159000	9.533748000
1	138.784337000	8.934538000	10.415827000
1	136.820765000	8.522129000	11.841809000
1	134.357210000	6.582512000	8.284572000
1	138.125727000	8.575139000	7.720034000
1	138.491320000	4.826659000	6.187069000
1	133.574680000	9.506360000	3.288453000
1	128.092995000	4.932439000	5.192175000
1	133.030255000	0.156171000	7.903898000
1	137.935475000	7.089576000	4.795659000
1	130.919346000	8.990466000	3.512063000
1	128.666927000	2.534083000	6.315611000
1	135.666101000	0.805693000	7.935269000

⁴Re_{A,MOGL}:

16	133.551126000	3.715272000	3.863636000
1	133.007648000	4.785419000	3.248528000
7	135.322381000	4.402756000	6.407381000
7	133.586609000	6.438548000	5.403621000
7	133.107498000	2.641071000	6.647560000
6	135.429136000	2.092788000	7.184047000
6	136.014400000	6.610932000	5.624602000
6	131.268824000	6.991041000	4.870920000
6	130.687810000	2.440166000	6.358379000
6	136.003542000	3.316342000	6.884872000
6	134.773907000	7.103127000	5.252708000
6	130.687956000	5.779897000	5.208639000
6	131.932816000	1.937427000	6.703478000
8	133.064590000	5.126212000	7.711315000
6	137.408559000	6.300359000	6.972774000
6	134.555539000	8.393203000	4.661757000
6	129.288406000	5.479283000	5.089193000
6	132.173850000	0.600532000	7.164483000
6	137.572796000	4.874333000	6.521068000
6	133.215888000	8.511632000	4.469643000
6	129.127557000	4.194457000	5.500417000
6	133.512458000	0.498456000	7.384208000
6	136.265763000	5.353730000	6.164220000
6	132.625029000	7.288763000	4.935455000
6	130.428438000	3.711491000	5.871308000
6	134.081860000	1.775878000	7.063105000
7	131.370563000	4.686687000	5.679762000
26	133.321266000	4.583497000	6.160637000
1	136.093095000	1.306325000	7.539229000
1	136.872251000	7.262951000	5.470174000
1	130.608078000	7.769515000	4.493556000
1	129.837437000	1.768952000	6.464531000
6	135.009750000	7.624035000	11.323328000
7	135.559813000	8.758080000	10.766401000
8	134.933797000	7.429641000	12.522003000
16	136.970046000	7.554311000	8.680061000
6	134.543370000	6.634909000	10.254810000
7	133.890173000	7.311716000	9.182450000
8	134.018539000	9.022642000	7.661294000
16	136.232218000	5.880438000	9.691451000
6	133.661270000	5.517800000	10.822203000
8	136.498269000	10.221301000	7.524319000
6	134.377758000	4.252967000	11.206488000
6	135.068104000	4.142681000	12.418417000
6	135.737472000	2.965795000	12.738880000
6	135.722777000	1.887427000	11.856730000
6	135.035132000	1.990450000	10.649649000
6	134.365285000	3.166821000	10.325417000
6	134.451976000	8.425968000	8.642671000
6	135.731125000	8.843675000	9.358336000
6	136.212687000	10.210342000	8.892373000
1	135.080572000	4.992675000	13.099505000
1	136.271572000	2.888611000	13.684635000
1	133.146247000	5.945484000	11.691618000
1	132.911037000	5.281703000	10.060594000
1	136.244166000	0.966088000	12.112373000
1	135.006920000	1.147379000	9.959319000
1	133.828117000	3.263714000	9.379555000
1	135.431789000	10.941124000	9.167853000
1	137.134449000	10.479654000	9.422819000
1	136.150362000	9.314709000	11.375662000
1	133.333498000	6.712823000	8.551334000
1	135.647187000	9.993972000	7.098267000
1	138.158435000	2.906131000	7.330299000
1	135.341148000	9.108001000	4.438918000
1	128.538806000	6.175026000	4.728413000
1	131.407099000	-0.155505000	7.291693000
1	138.486647000	5.451914000	6.428546000
1	132.661175000	9.345256000	4.053197000
1	128.216493000	3.608326000	5.549933000
1	134.079477000	-0.360499000	7.727482000

⁴IM1_{A,MOGL}:

16	133.059222000	4.774673000	3.649344000
1	131.779412000	4.897619000	4.057954000
7	135.715575000	4.184905000	4.728771000
7	134.330690000	6.375171000	5.935013000
7	133.650646000	2.408255000	5.564959000
6	135.660757000	1.770390000	4.326792000
6	136.511715000	6.501368000	4.831774000
6	132.190554000	7.056171000	6.913422000
6	131.472276000	2.280260000	6.669772000
6	136.246088000	3.024314000	4.237306000
6	135.418251000	7.064904000	5.469060000
6	131.611045000	5.799160000	7.012216000
6	132.566504000	1.719732000	6.029624000
8	134.777929000	4.027039000	7.298335000
6	137.530389000	3.281684000	3.650528000
6	135.237418000	8.472093000	5.677118000
6	130.334505000	5.540304000	7.615759000
6	132.700857000	0.322743000	5.719157000
6	137.778144000	4.609100000	3.811434000
6	134.011195000	8.630035000	6.248336000
6	130.140286000	4.194668000	7.561724000
6	133.872954000	0.181274000	5.046057000
6	136.641337000	5.165501000	4.488755000
6	133.446970000	7.318175000	6.389812000
6	131.292470000	3.631206000	6.916393000
6	134.458621000	1.489928000	4.952518000
7	132.174301000	4.626280000	6.580329000
26	133.987050000	4.377136000	5.729565000
1	136.199464000	0.936503000	3.881998000
1	137.323199000	7.168384000	4.549259000
1	131.608414000	7.902120000	7.274083000
1	130.680190000	1.606070000	6.988480000
6	132.976844000	7.554423000	9.989360000
7	133.749024000	8.691532000	9.870858000
8	131.792642000	7.583634000	10.284178000
16	136.061463000	8.475676000	11.509542000
6	133.705200000	6.288405000	9.619272000
7	134.893248000	6.267244000	9.094915000
8	136.674239000	7.479122000	8.350486000
16	134.854332000	7.333658000	12.537542000
6	132.993506000	5.003421000	9.877018000
8	137.114732000	10.027809000	9.335200000
6	133.408358000	4.470942000	11.232697000
6	132.576023000	4.617967000	12.343332000
6	132.990787000	4.170579000	13.595521000
6	134.243601000	3.580847000	13.748392000
6	135.080222000	3.437379000	12.643647000
6	134.667018000	3.883029000	11.392201000
6	135.623568000	7.446870000	8.978252000
6	135.149286000	8.667124000	9.736654000
6	135.728127000	9.965189000	9.183386000
1	131.603620000	5.095436000	12.223358000
1	132.332846000	4.286197000	14.455346000
1	131.913736000	5.178482000	9.850490000
1	133.274941000	4.296994000	9.084140000
1	134.568585000	3.235236000	14.728099000
1	136.060535000	2.977966000	12.756825000
1	135.319377000	3.777325000	10.525217000
1	135.412687000	10.043995000	8.127964000
1	135.303056000	10.817431000	9.729995000
1	133.312269000	9.539048000	10.221879000
1	135.080060000	4.853495000	7.745077000
1	137.458419000	9.263286000	8.833876000
1	138.157430000	2.526267000	3.189414000
1	135.964366000	9.231273000	5.407160000
1	129.696429000	6.303360000	8.048615000
1	131.973604000	-0.437965000	5.982082000
1	138.650562000	5.177808000	3.508943000
1	133.505575000	9.547795000	6.533163000
1	129.296327000	3.617388000	7.924003000
1	134.316770000	-0.721668000	4.640758000

Model G structures:

⁴Re_G:

6	-14.681272000	38.588600000	97.431108000
6	-14.255748000	39.956668000	96.898059000
8	-14.951373000	40.672098000	96.187759000
6	-16.155227000	38.470538000	97.890505000
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1	-16.217685000	37.500015000	98.406749000
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6	-11.173314000	41.419255000	95.866780000
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6	-11.918082000	42.404116000	98.084253000
6	-13.086461000	43.020784000	98.866418000
6	-12.648761000	43.584251000	100.229278000
6	-13.777185000	44.253739000	101.024866000
7	-13.975425000	45.697369000	100.689581000
1	-12.474116000	39.751917000	97.917883000
1	-13.134146000	42.126737000	96.303852000
1	-11.232769000	43.184720000	97.741624000
1	-11.329485000	41.752534000	98.748618000
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1	-13.868469000	42.268218000	99.032197000
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1	-13.579153000	44.218259000	102.099545000
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1	-14.839605000	46.071503000	101.158216000
1	-13.237978000	46.325291000	101.055389000
1	-14.055485000	45.916819000	99.675034000
7	-11.110624000	40.242577000	95.188819000
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6	-9.798861000	40.620742000	93.018383000
8	-8.731800000	40.550723000	92.428501000
1	-11.780070000	39.528882000	95.441480000
1	-9.033096000	40.081111000	94.911803000
7	-10.882669000	41.310545000	92.570307000
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6	-10.300337000	43.575886000	91.675325000
8	-10.121163000	44.368677000	90.747813000
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6	-12.466193000	43.909001000	88.786454000
7	-12.383517000	41.684960000	88.372361000
6	-12.469030000	42.333180000	87.232127000
7	-12.525113000	43.684876000	87.427524000
1	-11.727558000	41.294025000	93.125782000
1	-10.183116000	41.690846000	90.654327000
1	-12.743018000	41.277705000	90.894728000
1	-12.863391000	42.965171000	91.421442000
1	-12.441695000	44.903781000	89.208136000
1	-12.503187000	41.886372000	86.247424000
1	-12.573700000	44.395321000	86.711987000
7	-10.123329000	43.890753000	92.979764000
6	-9.877077000	45.244566000	93.441452000
6	-10.803997000	45.612912000	94.610098000
6	-12.274353000	45.476011000	94.308076000
6	-13.303645000	45.203472000	95.183348000
7	-12.807037000	45.698131000	93.049121000
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7	-14.468853000	45.259194000	94.447244000
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1	-10.562021000	44.989158000	95.478653000
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1	-14.844802000	45.683605000	92.386200000
6	-16.199161000	50.012952000	92.336481000
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8	-14.981534000	48.838266000	94.044081000
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6	-18.615470000	49.478069000	91.734291000
16	-19.888531000	48.228420000	91.316877000
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1	-16.881646000	48.341217000	91.118505000
1	-18.959352000	50.058777000	92.600091000
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7	-13.757072000	49.707574000	92.333437000
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6	-11.766227000	49.766371000	93.895598000
8	-10.930687000	49.139204000	94.552655000
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1	-12.703706000	48.052494000	93.075095000
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8	-12.050373000	53.074551000	97.181022000
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6	-14.264091000	51.570634000	97.839187000
6	-13.665741000	50.943314000	99.113707000
8	-13.906913000	49.790766000	99.503617000
6	-15.741548000	51.253500000	97.532566000
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7	-19.115032000	48.816553000	99.924020000
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1	-16.353447000	51.826626000	98.240448000
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1	-16.486088000	48.342447000	99.146403000
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7	-12.487553000	51.081481000	103.382164000
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6	-15.460909000	53.438162000	105.403941000
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7	-16.663336000	52.788334000	103.344321000
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1	-14.232639000	56.290177000	100.417778000	6	-23.871254000	47.596541000	91.554932000
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6	-18.413475000	49.017202000	103.749334000	6	-24.507327000	49.414834000	97.284404000
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6	-16.866579000	47.326073000	102.495262000	6	-24.590899000	45.766447000	98.342013000
8	-15.637910000	47.063055000	102.358773000	6	-24.713901000	44.933539000	99.511118000
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7	-21.894973000	39.453754000	99.137040000	1	-17.194572000	45.703644000	100.714608000
1	-20.297729000	32.771024000	99.963881000	1	-21.407349000	43.609872000	94.012209000
1	-17.994455000	34.631846000	99.854505000	1	-21.078333000	42.785820000	91.712472000
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1	-16.521980000	45.845492000	97.757374000				
1	-26.795466000	46.748183000	95.133883000				
1	-25.121335000	43.555480000	99.161414000				
1	-24.419901000	46.168515000	99.398163000				
1	-23.427462000	50.055906000	95.951235000				
1	-23.159667000	50.171194000	93.248997000				
1	-26.216678000	40.558382000	92.474712000				
1	-24.544048000	44.211506000	89.063624000				
1	-23.713160000	46.783186000	89.286844000				
1	-18.685239000	48.138542000	104.807065000				
1	-15.115852000	53.553810000	106.134650000				
1	-12.326562000	49.670516000	105.292845000				
1	-11.395241000	52.097961000	101.379103000				
1	-11.695262000	53.430626000	95.060355000				
1	-16.263722000	50.634231000	91.388440000				
1	-26.488562000	35.643899000	99.415310000				
1	-25.781209000	36.738695000	100.631805000				
1	-8.609702000	39.881698000	93.373826000				
1	-12.229720000	38.170574000	96.983490000				
1	-19.402595000	33.315142000	101.851687000				
1	-8.557794000	46.510215000	93.360508000				
1	-15.035635000	45.654714000	94.729933000				
8	-13.091116000	47.941724000	101.669933000				
1	-13.348359000	48.606587000	100.998592000				

Deprotonated model:

⁴Re_{Bm}:

6	137.752946000	3.613250000	13.405308000
6	139.187456000	3.622455000	12.873253000
8	140.092631000	2.980918000	13.408625000
6	137.670251000	3.319067000	14.911516000
6	138.253815000	4.473089000	15.739824000
6	136.220759000	3.019275000	15.320987000
1	137.248185000	4.559706000	13.170383000
1	138.283951000	2.429669000	15.100295000
1	138.216596000	4.247298000	16.814292000
1	137.695032000	5.403099000	15.566386000
1	139.300098000	4.650466000	15.472262000
1	136.152126000	2.812740000	16.399242000
1	135.564913000	3.868375000	15.085211000
1	135.828111000	2.143888000	14.789038000
7	139.367979000	4.370090000	11.747876000
6	140.597939000	4.349978000	10.977578000
6	140.355268000	3.980458000	9.497111000
6	139.812662000	2.583132000	9.291598000
6	140.671866000	1.501326000	9.068234000
6	138.433041000	2.322869000	9.345338000
6	140.182514000	0.205139000	8.900562000
6	137.927456000	1.033687000	9.182434000
6	138.806089000	-0.030490000	8.958694000
8	138.267059000	-1.284410000	8.795249000
1	138.579626000	4.867449000	11.341656000
1	141.260172000	3.628214000	11.462457000
1	141.309365000	4.092441000	8.964823000
1	139.663569000	4.715827000	9.068846000
1	141.745886000	1.670651000	9.020584000
1	137.736722000	3.140630000	9.516204000
1	140.870705000	-0.620834000	8.722544000
1	136.859102000	0.847424000	9.229188000
1	138.994486000	-1.914508000	8.677116000
6	135.184466000	6.232696000	18.126461000
6	133.927253000	6.230756000	17.266783000
8	133.430968000	7.268818000	16.826094000
6	135.401032000	7.550646000	18.871013000
1	135.158856000	5.385424000	18.824173000
1	134.597044000	7.738923000	19.591306000
1	136.349601000	7.527560000	19.416826000
1	135.423775000	8.387515000	18.168835000
7	133.371646000	4.998473000	17.032686000
6	132.505685000	4.732848000	15.879734000
6	131.142144000	5.414537000	15.854725000
8	130.469962000	5.380553000	14.824319000
1	133.918340000	4.205770000	17.345545000
1	133.006551000	5.032536000	14.948564000
7	130.714839000	6.065464000	16.971906000
6	129.581080000	6.970481000	16.871067000
6	129.744367000	8.103957000	15.840222000
8	128.738701000	8.639655000	15.363310000
1	131.380244000	6.200258000	17.719011000
1	128.684989000	6.421347000	16.573999000
7	131.008228000	8.451931000	15.506591000
6	131.257827000	9.467584000	14.490470000
6	130.689216000	9.093336000	13.116311000
8	130.464451000	10.001152000	12.294681000
6	132.753355000	9.797139000	14.365974000
6	133.371376000	10.474349000	15.596911000
16	132.525256000	11.987611000	16.211720000
6	132.634638000	13.079312000	14.749010000
1	131.804772000	7.960945000	15.911645000
1	130.714793000	10.375626000	14.773823000
1	133.315125000	8.878250000	14.151488000
1	132.868508000	10.435318000	13.484326000
1	134.417181000	10.718571000	15.379130000
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1	132.180562000	14.031997000	15.036073000
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1	133.675852000	13.260650000	14.463708000
7	130.398800000	7.805285000	12.870632000
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6	128.490561000	8.194736000	11.365706000
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7	127.754831000	8.600404000	12.422679000
6	126.543048000	9.365097000	12.186090000
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8	125.828477000	11.283270000	10.927654000
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7	127.950410000	11.342533000	11.759477000
6	128.303640000	12.599140000	11.129199000
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8	129.362497000	13.553012000	9.216810000
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7	129.751497000	11.322270000	9.570810000
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6	130.141418000	10.360742000	7.268690000
8	130.708778000	10.472257000	6.174363000
6	132.040641000	10.625502000	8.879543000
6	132.799805000	11.489451000	9.843377000
6	132.675347000	12.829001000	10.131852000
7	133.856493000	10.958844000	10.563334000
6	134.360375000	11.955958000	11.264054000
7	133.675949000	13.109493000	11.043438000
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1	130.801577000	12.198198000	8.045030000
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1	131.926786000	9.622407000	9.307071000
1	131.968971000	13.575845000	9.802124000
1	135.204647000	11.899587000	11.935880000
1	133.912553000	14.017080000	11.421489000
7	129.112868000	9.520070000	7.514022000
6	128.543389000	8.626198000	6.499801000
6	127.174935000	9.175795000	6.037708000
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8	127.640257000	6.877536000	8.035008000
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1	127.981892000	7.295173000	8.852393000
7	126.151886000	8.976613000	6.896740000
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1	123.499816000	10.953843000	7.680605000
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6	134.024134000	15.382410000	5.309666000
6	135.447166000	14.998106000	5.782618000
8	136.064446000	15.729126000	6.566659000
6	133.070332000	15.631194000	6.499087000
6	132.325280000	14.294849000	6.625133000
6	132.135014000	13.875058000	5.163698000
1	134.161085000	16.303399000	4.727300000
1	132.364482000	16.433252000	6.250108000
1	133.617317000	15.930902000	7.396157000
1	132.951685000	13.561034000	7.145788000
1	131.376323000	14.368222000	7.164779000
1	131.987931000	12.795504000	5.055620000
1	131.251691000	14.379570000	4.739575000
7	135.924718000	13.860306000	5.242579000
6	137.287656000	13.371237000	5.413092000
6	137.410097000	11.837356000	5.302008000

6	136.988630000	11.082872000	6.580398000	5	131.212798000	4.757610000	3.169404000
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6	135.523677000	11.230907000	7.007003000	1	134.868453000	-0.000059000	4.236196000
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1	137.661638000	13.710385000	6.382189000	1	130.862343000	8.068282000	3.818538000
1	136.766559000	11.501712000	4.471526000	1	129.657888000	2.319831000	1.394565000
1	137.647250000	11.407981000	7.396523000	6	133.662396000	7.103593000	10.049457000
1	137.198290000	10.015586000	6.419279000	7	134.625380000	8.038847000	10.304986000
1	139.175306000	11.940258000	4.006533000	8	132.505725000	7.385005000	9.723038000
1	138.987602000	10.394213000	4.853327000	16	135.775619000	7.168454000	12.749219000
1	139.541918000	11.826791000	5.741389000	6	134.178233000	5.677955000	10.004615000
1	135.315137000	10.614613000	7.889709000	7	135.447225000	5.375774000	9.957602000
1	134.840394000	10.912393000	6.209275000	8	137.591411000	6.154648000	10.079852000
1	135.274670000	12.264609000	7.265042000	16	133.900870000	6.307209000	12.861112000
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8	139.382317000	13.200536000	8.137177000	6	133.584879000	0.943747000	8.923114000
6	140.172494000	11.938384000	11.158500000	6	134.103022000	0.456615000	10.123982000
6	141.172296000	11.038650000	11.915403000	6	134.324334000	1.339315000	11.186572000
6	140.512079000	10.460050000	13.176929000	6	134.030175000	2.695355000	11.048481000
6	141.707794000	9.902786000	11.029435000	6	136.372298000	6.359497000	10.247352000
1	141.339834000	12.183388000	9.332530000	6	135.885765000	7.662514000	10.832533000
1	139.676792000	12.597816000	11.885677000	6	136.901881000	8.806167000	10.708733000
1	139.387855000	11.304050000	10.724787000	1	132.880149000	2.670468000	7.844690000
1	142.022232000	11.667416000	12.227563000	1	133.409806000	0.268911000	8.088662000
1	141.222784000	9.848183000	13.746023000	1	132.251732000	4.881213000	10.323155000
1	140.152368000	11.256698000	13.841321000	1	132.783125000	4.840544000	8.672021000
1	139.661588000	9.824826000	12.905393000	1	134.334324000	-0.600464000	10.232890000
1	142.418378000	9.279249000	11.585224000	1	134.728610000	0.967974000	12.125876000
1	142.224911000	10.275128000	10.137730000	1	134.203771000	3.382980000	11.872890000
1	140.881314000	9.260594000	10.701857000	1	137.030298000	9.020126000	9.634467000
7	139.262895000	14.703001000	9.844449000	1	136.490427000	9.701082000	11.183583000
6	138.163282000	15.473499000	9.275442000	1	134.309144000	9.010612000	10.446005000
6	136.758704000	14.989057000	9.700778000	1	138.397789000	7.653554000	10.958927000
6	136.433912000	15.236417000	11.157041000	8	129.583362000	9.897551000	3.570540000
6	136.883622000	14.366952000	12.166497000	1	128.652334000	9.889062000	3.878176000
6	135.686389000	16.360702000	11.545550000	1	130.054796000	10.237393000	4.355048000
6	136.607572000	14.617171000	13.513307000	1	137.214900000	2.833765000	12.845896000
6	135.403062000	16.612604000	12.890945000	1	141.086279000	5.334918000	11.019256000
6	135.865508000	15.742831000	13.881403000	1	136.026463000	6.042277000	17.445666000
1	139.540621000	14.899286000	10.795944000	1	129.396732000	7.408745000	17.856742000
1	138.228259000	15.401648000	8.189043000	1	128.819173000	13.242013000	11.851702000
1	136.041863000	15.499718000	9.049674000	1	124.837610000	10.118928000	5.789942000
1	136.687546000	13.920100000	9.468774000	1	133.208554000	14.628999000	3.549111000
1	137.446265000	13.479316000	11.889068000	1	137.928205000	13.835631000	4.647291000
1	135.324958000	17.044665000	10.780598000	1	141.527833000	13.504254000	10.497401000
1	136.968899000	13.930261000	14.274640000	1	136.728849000	0.956143000	5.839215000
1	134.819065000	17.488025000	13.164096000	1	134.765495000	8.034391000	6.855589000
1	135.646590000	15.936204000	14.928032000	1	129.050989000	7.133308000	2.264178000
7	134.471292000	3.281320000	5.004703000	1	130.789727000	-0.048196000	1.482519000
7	133.211484000	5.825449000	4.882320000	1	137.160447000	3.063270000	6.986440000
7	132.463130000	2.199654000	3.298739000	1	132.607919000	9.048061000	5.546228000
6	134.376788000	0.967937000	4.204706000	1	128.502644000	4.673497000	1.214066000
6	135.187220000	5.280920000	6.227903000	1	133.014797000	-1.035267000	2.686682000
6	131.346807000	7.096469000	3.912483000	1	138.301168000	16.524057000	9.555355000
6	130.424697000	2.728894000	2.046273000	1	132.336617000	3.653261000	15.830136000
6	134.960273000	1.997586000	4.924597000				
6	134.213049000	6.153491000	5.767194000				
6	130.764253000	6.048244000	3.202040000				
6	131.416274000	1.857815000	2.485245000				
8	131.854929000	3.588197000	5.503126000				
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6	134.105812000	7.540528000	6.153558000				
6	129.578819000	6.197220000	2.392785000				
6	131.497856000	0.465434000	2.120597000				
6	136.372527000	3.076653000	6.303876000				
6	133.034473000	8.055172000	5.492717000				
6	129.310944000	4.967967000	1.8717139000				
6	132.614651000	-0.029868000	2.724326000				
6	135.318178000	3.950151000	5.849022000				
6	132.475629000	6.979449000	4.708265000				
6	130.336083000	4.077352000	2.361396000				
6	133.205530000	1.063290000	3.455512000				
				4TS7_{Bm}:			
6				6	136.691849000	2.839938000	13.097571000
6				6	138.214093000	2.980155000	13.144235000
8				8	138.920072000	2.299705000	13.890156000
6				6	136.093456000	2.185385000	14.351842000
6				6	136.255854000	3.090109000	15.582872000
6				6	134.618189000	1.831964000	14.115455000
6				1	136.223835000	3.816119000	12.914412000
6				1	136.658011000	1.263654000	14.539902000
6				1	135.827552000	2.612835000	16.477024000
6				1	135.748273000	4.050716000	15.422391000
6				1	137.314037000	3.284829000	15.781635000
6				1	134.176372000	1.359012000	15.003321000
6				1	134.035109000	2.730963000	13.877105000
6				1	134.502792000	1.133745000	13.277304000
6				7	138.720344000	3.896579000	12.270307000

6	140.141427000	4.028631000	12.009858000	8	129.646652000	13.568976000	9.116329000
6	140.497011000	3.786664000	10.525153000	1	128.999539000	11.013922000	12.283404000
6	140.119260000	2.410396000	10.023490000	1	127.771239000	13.328269000	10.874574000
6	140.999297000	1.328706000	10.139384000	7	129.962592000	11.343969000	9.570484000
6	138.856256000	2.171854000	9.457423000	6	130.803632000	11.105499000	8.402942000
6	140.640620000	0.049874000	9.710419000	6	130.145334000	10.254354000	7.297218000
6	138.482992000	0.900339000	9.025870000	8	130.653011000	10.267590000	6.168875000
6	139.377454000	-0.166247000	9.152937000	6	132.149131000	10.455386000	8.777529000
8	138.969249000	-1.400343000	8.707056000	6	133.020487000	11.293023000	9.666386000
1	138.083924000	4.406296000	11.664468000	6	132.994049000	12.644350000	9.922616000
1	140.642212000	3.302217000	12.654722000	7	134.080231000	10.714823000	10.344446000
1	141.577419000	3.949371000	10.410497000	6	134.681476000	11.696540000	10.988027000
1	139.995106000	4.549612000	9.917959000	7	134.059206000	12.885472000	10.769553000
1	141.985465000	1.482776000	10.573078000	1	130.022525000	10.681282000	10.339048000
1	138.153489000	2.995268000	9.352982000	1	130.977224000	12.079515000	7.941587000
1	141.343348000	-0.777189000	9.807198000	1	132.674055000	10.455386000	7.837686000
1	137.510186000	0.729547000	8.576035000	1	131.986068000	9.478654000	9.248272000
1	139.681122000	-2.036398000	8.876761000	1	132.319004000	13.425617000	9.607800000
6	135.382519000	6.237269000	18.170200000	1	135.556104000	11.599685000	11.616429000
6	134.103126000	6.304263000	17.345557000	1	134.360585000	11.784505000	11.122957000
8	133.659071000	7.368187000	16.908793000	7	129.079957000	9.501960000	7.653990000
6	135.695901000	7.545541000	18.897281000	6	128.385820000	8.599358000	6.730403000
1	135.326516000	5.397893000	18.875359000	6	127.006402000	9.204943000	6.382754000
1	134.923159000	7.785878000	19.635861000	8	126.867559000	9.919531000	5.382087000
1	136.655159000	7.470329000	19.419245000	6	128.381131000	7.143477000	7.234088000
1	135.749427000	8.374806000	18.187750000	8	127.573140000	6.894373000	8.378064000
7	133.466275000	5.108075000	17.143002000	1	128.729226000	9.582932000	8.603656000
6	132.546677000	4.884826000	16.022532000	1	128.955803000	8.616681000	5.802053000
6	131.218390000	5.631476000	16.037787000	1	129.424647000	6.849137000	7.415180000
8	130.494642000	5.591946000	15.042943000	1	127.989895000	6.505215000	6.435438000
1	133.978851000	4.287018000	17.439280000	1	127.949897000	7.382721000	9.140398000
1	133.030631000	5.157872000	15.072961000	7	126.014953000	8.953777000	7.266397000
7	130.883974000	6.354843000	17.143407000	6	124.708968000	9.589490000	7.197108000
6	129.813873000	7.334458000	17.043054000	6	124.511335000	10.630201000	8.297938000
6	130.019783000	8.408422000	15.958075000	8	124.493547000	9.989308000	9.561264000
8	129.038481000	8.996295000	15.491074000	1	126.215078000	8.297420000	8.017204000
1	131.598983000	6.492358000	17.842652000	1	123.930340000	8.821616000	7.285440000
1	128.870915000	6.839672000	16.801289000	1	125.320271000	11.371714000	8.238323000
7	131.291447000	8.647332000	15.565538000	1	123.559993000	11.159444000	8.109002000
6	131.577150000	9.600278000	14.499458000	1	124.911450000	10.597615000	10.204118000
6	130.921999000	9.222072000	13.166765000	7	133.087897000	14.378194000	4.318233000
8	130.725978000	10.116138000	12.322268000	6	133.693140000	15.529464000	5.031054000
6	133.088200000	9.796280000	14.300425000	6	135.171477000	15.274898000	5.417645000
6	133.808421000	10.486738000	15.466363000	8	135.786305000	16.077052000	6.130704000
16	133.106075000	12.094428000	16.022827000	6	132.809254000	15.765147000	6.273816000
6	133.179068000	13.073926000	14.481177000	6	132.202520000	14.377731000	6.529166000
1	132.066917000	8.127143000	15.975006000	6	131.943242000	13.857593000	5.109957000
1	131.122639000	10.560489000	14.766196000	1	133.716104000	16.424092000	4.394654000
1	133.562195000	8.822923000	14.115654000	1	132.015044000	16.483641000	6.035538000
1	133.218295000	10.373997000	13.380196000	1	133.388704000	16.167093000	7.108370000
1	134.859820000	10.634439000	15.195519000	1	132.934104000	13.734832000	7.034054000
1	133.796207000	9.856762000	16.360915000	1	131.294980000	14.398810000	7.139745000
1	132.808412000	14.072767000	14.727938000	1	131.893825000	12.764617000	5.064547000
1	132.546305000	12.647196000	13.697933000	1	130.984824000	14.248733000	4.735446000
1	134.205949000	13.165464000	14.113482000	7	135.696207000	14.156760000	4.882540000
7	130.535504000	7.950336000	12.978632000	6	137.087595000	13.745823000	5.016264000
6	129.840867000	7.553748000	11.761686000	6	137.276489000	12.225676000	4.837193000
6	128.576302000	8.390247000	11.554586000	6	136.955213000	11.406504000	6.105433000
8	128.138658000	8.592930000	10.408625000	6	138.721679000	11.940093000	4.396477000
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1	130.763968000	7.234633000	13.663565000	1	135.031515000	13.599887000	4.350588000
1	130.485534000	7.745484000	10.898488000	1	137.459824000	14.058232000	5.996050000
1	128.962130000	5.786993000	10.879835000	1	136.603226000	11.894927000	4.028677000
1	128.875503000	5.810473000	12.661842000	1	137.711432000	11.647249000	6.862915000
1	130.417141000	5.472293000	11.847992000	1	137.085158000	10.344125000	5.854877000
7	127.930464000	8.883087000	12.632008000	1	138.958501000	12.435635000	3.446815000
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6	128.671310000	12.771124000	11.139446000	6	140.513429000	13.107074000	9.770615000
6	129.474853000	12.589527000	9.838975000	6	139.525582000	13.888842000	8.910066000

8	139.136864000	13.468927000	7.822133000	6	132.338586000	1.335345000	7.441472000
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6	140.755586000	11.240227000	11.551622000	6	134.157460000	0.906683000	8.969428000
6	140.022998000	10.598361000	12.740761000	6	134.029940000	2.192783000	9.519354000
6	141.403311000	10.148885000	10.684089000	6	136.203155000	5.904417000	10.138036000
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1	139.253575000	9.897340000	12.396455000	1	133.368192000	-0.537420000	7.562462000
1	142.131041000	9.571579000	11.267132000	1	134.908719000	0.228379000	9.365486000
1	141.930545000	10.561886000	9.816248000	1	134.675274000	2.494361000	10.336179000
1	140.637743000	9.451107000	10.323842000	1	136.997189000	8.478586000	9.335606000
7	139.087368000	15.072867000	9.438409000	1	136.576870000	9.267354000	10.864564000
6	138.025000000	15.860052000	8.822871000	1	134.341383000	8.703778000	10.287331000
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1	135.902840000	15.986024000	8.614034000	1	124.626093000	10.060329000	6.214454000
1	136.476400000	14.394057000	9.092495000	1	132.797148000	14.634369000	3.380562000
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1	136.738621000	14.544073000	13.885684000	1	137.531345000	0.693760000	5.534036000
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7	134.221521000	5.792166000	5.486907000	1	138.436040000	3.072381000	6.461036000
7	132.779320000	2.185408000	4.389209000	1	134.134851000	9.095204000	5.944115000
6	134.814370000	0.847725000	4.677127000	1	128.644471000	4.938747000	3.231288000
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6	132.309183000	7.202361000	4.865720000	1	138.212478000	16.917470000	9.040974000
6	130.500021000	2.844369000	3.778622000	1	132.326333000	3.814725000	15.979167000
6	135.646550000	1.850981000	5.154768000				
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6	131.474798000	6.193151000	4.402023000				
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6	135.575419000	7.466347000	6.316123000				
6	130.141516000	6.417417000	3.890034000				
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7	131.768440000	4.853210000	4.410453000				
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1	131.925647000	8.217445000	4.848546000				
1	129.541128000	2.483481000	3.418449000				
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8	132.396597000	7.204149000	9.681807000				
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