

Supporting Information: “Exploring N₂ activation using novel Lewis acid/base pairs: computational insight into frustrated Lewis pair reactivity”

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1 Validation of the computational methodology

The theory level used in this work (ω B97XD/6-311++G(2df,2p)// ω B97XD/6-31+G(d)) has been validated by comparison with higher-level theoretical data. We provide a comparison of geometrical parameters, interaction energies, hydrogen affinity values (HIA) and electrophilicity indexes with those reported in the literature.

Regarding the geometrical parameters, we have compared the B-N bond distance and angle in addition to the interaction energy for the reaction LA + N₂ → LA-N₂, from Phys. Chem. Chem. Phys. 25, 21006 (2023), where the authors use the following level of theory: M06-2X/jun-cc-pVTZ:

Table 1: Boron-nitrogen bond distance (R_{BN}), in Å, and angle (α), in degrees. Interaction energy (ΔH), in kcal/mol.

	α		R _{BN}		ΔH	
	jun-cc-pVTZ	This work	jun-cc-pVTZ	This work	jun-cc-pVTZ	This work
LA-8a	102.3	102.7	1.594	1.579	-5.0	-5.2
LA-8f	104.3	103.9	1.622	1.619	-14.7	-12.4

Regarding the geometrical parameters, we have compared the B-P bond distance and interaction energy for the reaction LA + LB → LA-LB, from ACS Omega 7, 48493-48505 (2022), where the authors use the following level of theory: M06-2X/def2-TZVP:

Table 2: Boron-phosphorus bond distance (R_{BP}), in Å. Interaction energy (ΔH and ΔG), in kcal/mol.

	R _{BP}		ΔH		ΔG	
	def2-TZVP	This work	def2-TZVP	This work	def2-TZVP	This work
LA-5a-LB-2	1.962	1.977	-44.93	-49.81	-30.00	-34.58
LA-5a-LB-3	2.176	2.202	-13.40	-19.22	1.34	-4.31
LA-5b-LB-2	2.422	2.415	-36.81	-42.18	-25.12	-31.99
LA-5b-LB-3	2.507	2.503	-41.59	-47.00	-47.00	-32.88
LA-5e-LB-2	1.983	2.002	-54.73	-56.63	-36.95	-39.74
LA-5e-LB-3	2.152	2.486	-9.80	-2.25	6.45	13.00

The calculated values for the bond distance and angle show excellent agreement between the jun-cc-pVTZ and our level of theory. The interaction energies are also consistent, with minor differences.

The hydrogen affinity values (in kJ/mol) for five LAs were compared using data from ChemPhysChem 22, 935-943 (2021), where a high-level CCSD(T)/CBS method was employed.

Table 3: Hydrogen affinity (HIA), in kJ/mol.

	LA-8a	LA-8b	LA-8c	LA-8d	LA-8ag
CCSD(T)/CBS	305	296	405	437	481
This work	315	302	403	438	480

The hydrogen affinity values computed in this work are in close agreement with those from CCSD(T)/CBS, with discrepancies within acceptable ranges. This suggests that this level of theory provides reliable estimates for HIA.

We have also validated the global (ω) and local (ω_B) electrophilicity indexes using reference values from Angew. Chem. Int. Ed. 59, 12402 (2020), with the M06-2X/6-311G(d) level of theory.

Table 4: Global (ω) and local (ω_B) electrophilicity indexes, in a.u., occupation of the empty $2p$ orbital ($\eta(2p)$) and boron atom charge (Q_B)

	ω		ω_B		$\eta(2p)$		Q_B	
	6-311G(d)	This work	6-311G(d)	This work	6-311G(d)	This work	6-311G(d)	This work
LA-1	0.88	0.85	-0.57	-0.48	—	—	—	—
LA-5a	1.20	0.93	-1.50	-1.25	0.08	0.08	0.92	0.91
LA-8e	0.97	0.95	-0.67	-0.57	0.22	0.21	1.00	0.98
LA-8g	2.79	2.07	-1.23	-1.05	—	—	—	—

The local electrophilicity index (ω_B) demonstrates good consistency, while the global index (ω) shows larger discrepancies. This is expected, as the global index reflects the overall electron-accepting capability of the entire molecule and is a poorer descriptor of the electrophilicity of the boron site.

In conclusion, the comparisons between all parameters demonstrate good overall agreement higher-level calculations available in the literature, validating the reliability of the computational methodology used in this work.

2 Gibbs free energy values

In this section, the corrected (ΔG^{corr}) and non-corrected (ΔG) Gibbs free energy values for the different interactions and transition states are collected.

Table 5: Corrected (ΔG^{corr}) and non-corrected (ΔG) Gibbs free energy values, in kcal/mol, for the interaction between the different Lewis acids and N₂.

	1	2	3a	4	5a	5b	5c	5d	5e	5f	5g	8a	8f
ΔG^{corr}	6.46	-3.02	3.37	-47.79	-6.99	-6.98	-3.64	-11.48	-13.52	-18.17	4.78	-0.89	-10.99
ΔG	12.98	3.42	9.77	-41.71	-0.27	-0.28	3.07	-4.76	-6.74	-11.39	11.58	4.49	-4.29

Table 6: Corrected (ΔG^{corr}) and non-corrected (ΔG) Gibbs free energy values, in kcal/mol, for the LA-N₂-LB interaction.

	LA-4		LA-5a		LA-5b		LA-5d		LA-5e		LA-5f		LA-8f	
	ΔG^{corr}	ΔG												
LB-1	-21.97	-7.53	32.33	47.99	—	—	2.22	17.90	13.85	29.71	-14.15	1.71	1.87	26.44
LB-2	-34.05	-19.02	22.50	39.38	—	—	-9.35	7.56	3.11	20.40	-25.93	-8.63	1.15	17.82
LB-3	-43.35	-28.44	13.93	30.55	—	—	-15.37	1.28	-4.02	12.95	-29.91	-12.94	-8.36	8.10
LB-4	-33.29	-18.08	—	—	—	—	-14.76	2.11	-1.39	15.79	-32.99	-15.81	-6.24	10.47
LB-5	-50.52	-35.31	6.11	23.01	16.81	33.73	-25.24	-8.31	-13.06	4.20	-35.65	-18.38	-9.33	7.42
LB-6	-72.71	-57.27	-17.71	-0.33	-12.39	5.04	-54.64	-37.22	-40.97	-23.12	-75.04	-57.19	-42.80	-25.66

Table 7: Corrected (ΔG^{corr}) and non-corrected (ΔG) Gibbs free energy values, in kcal/mol, for the LA-N₂-LB interaction.

	4	5a	5d	5e	5f	8f
ΔG^{corr}	-97.72	-15.63	27.49	-25.09	12.37	-12.16
ΔG	-83.57	1.49	44.04	-7.07	31.62	4.59

Table 8: Corrected (ΔG^{corr}) and non-corrected (ΔG) Gibbs free energy values, in kcal/mol, for the LB-N₂-LB interaction.

	1	2	3	4	5	6
ΔG^{corr}	132.45	53.41	44.17	131.81	29.08	38.57
ΔG	147.16	70.03	60.31	148.43	45.79	88.12

Table 9: Corrected (ΔG^{corr}) and non-corrected (ΔG) Gibbs free energy values, in kcal/mol, for the LA-LB interaction.

	LA-4		LA-5a		LA-5b		LA-5d		LA-5e		LA-5f		LA-8f	
	ΔG^{corr}	ΔG												
LB-1	-106.20	-98.21	-52.21	-43.21	—	—	-71.76	-62.75	-67.93	-58.80	-86.96	-77.83	-70.36	-61.41
LB-2	-97.20	-88.88	-44.77	-34.58	—	—	-61.94	-51.72	-22.20	-11.64	-42.62	-32.05	-51.29	-41.30
LB-3	-108.47	-100.19	-6.97	2.87	—	—	-26.85	-16.90	2.78	13.00	-10.87	-0.64	-40.00	-30.22
LB-4	-114.80	-106.23	-52.54	-42.38	—	—	-74.90	-64.71	-63.78	-53.32	-86.20	-75.74	-66.08	-56.06
LB-5	-101.93	-93.36	-53.41	-43.18	-46.26	-36.04	-70.79	-60.53	-58.21	-47.66	-75.37	-64.82	-60.51	-50.43
LB-6	-143.94	-130.28	-71.51	-60.82	-74.05	-63.35	-100.11	-89.39	-88.89	-77.77	-117.99	-106.86	-81.61	-71.17

Table 10: Corrected (ΔG^{corr}) and non-corrected (ΔG) Gibbs free energy values, in kcal/mol, for selected transition states corresponding to the LB attack to the LA-N₂ complexes.

	LA-4		LA-5a		LA-5d		LA-5e		LA-5f		LA-8f	
	ΔG^{corr}	ΔG										
LB-1	28.70	37.04	39.86	48.53	16.93	21.11	30.06	39.14	8.34	10.65	25.87	34.72
LB-2	23.51	32.45	31.82	41.71	8.46	13.88	22.46	32.96	1.58	2.46	18.98	28.94
LB-3	15.59	24.75	23.57	33.19	3.53	8.66	14.82	24.99			10.29	20.02
LB-5	14.56	23.68	22.76	32.67	0.75	6.20	14.21	24.67	1.23	2.14	13.90	23.93

3 Electroaccepting power of the Lewis acids

Figure S1 shows the LUMO molecular orbitals corresponding to the $2p$ boron orbital of **13** and **5e** LAs, where the effect of pyramidalization in the electron delocalization can be observed. The orthogonal arrangement between the triptycene aryl p -orbitals and the boron $2p$ orbital prevents π -conjugation in **5e**, resulting in lower $\eta(2p)$ values. On the contrary, the boron empty orbital of **13** appears mixed with the molecular orbitals of the aryl groups, leading to higher $\eta(2p)$ and therefore hindering the availability of the empty orbital to interact with N₂. This would explain the difference in the interaction patterns between the two acids despite having both high ω_B values.

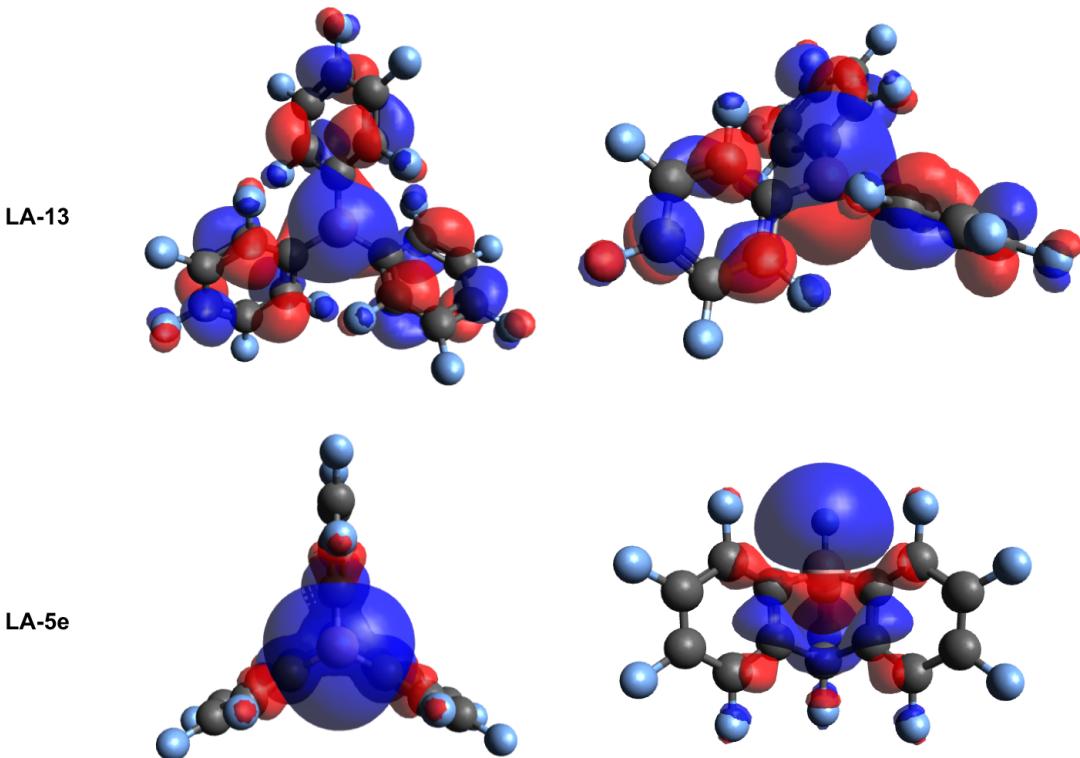


Figure 1: Front and side view of the molecular orbitals of **5e** and **13**, showing the effect of the pyramidalization in the electron delocalization.

4 Principal Component Analysis of the LA-N₂ interactions

Figures S2 and S3 presents the front and side views of the molecular orbitals of **2** and the boratriptycene family **5a-g** belonging to the empty boron 2p orbital (Al 3p and Ga 4p orbitals for **5b** and **5c**). The orbital plots were made with Avogadro using the same isovalue (0.03) for optimal comparison between the orbital size. In addition to the parameters identified by the PCA analysis ($\eta(2p)$, α , and ω_B), there also appears to be a connection between the size of the empty 2p orbital on boron and the interaction energy with N₂ in LAs with a bicyclic structure. The interaction energies increase as the orbital size decreases, with the exception of **5g**, which exhibits the lowest interaction energy despite having the smallest orbital, likely due to the steric hindrance from Cl atoms. We propose that this effect may be linked to Pearson's Hard and Soft Acids and Bases (HSAB) principle, where the hardness of the LA plays a key role. **cita** A smaller orbital suggests a higher hardness (lower polarizability) in line with Pearson's principle, leading to a stronger interaction with a hard base like nitrogen. For instance, comparing **5d** and **5e**, the latter shows a better interaction energy despite having significantly lower electroaccepting power. This can be attributed to the smaller orbital of **5e**, resulting from the electronegative F atoms on the aryl rings, which cause a contraction of the orbital, making it less polarizable and thus harder.

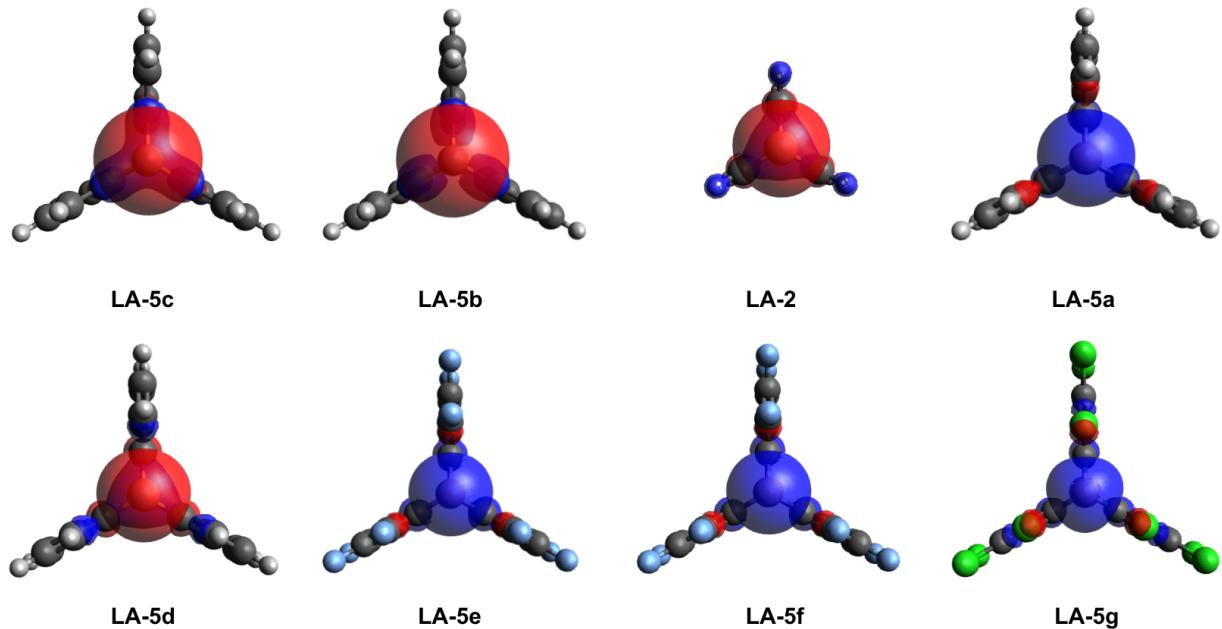


Figure 2: Front view of the molecular orbitals of **5a-g** and **2** LAs showing the empty orbitals of B/Al/Ga.

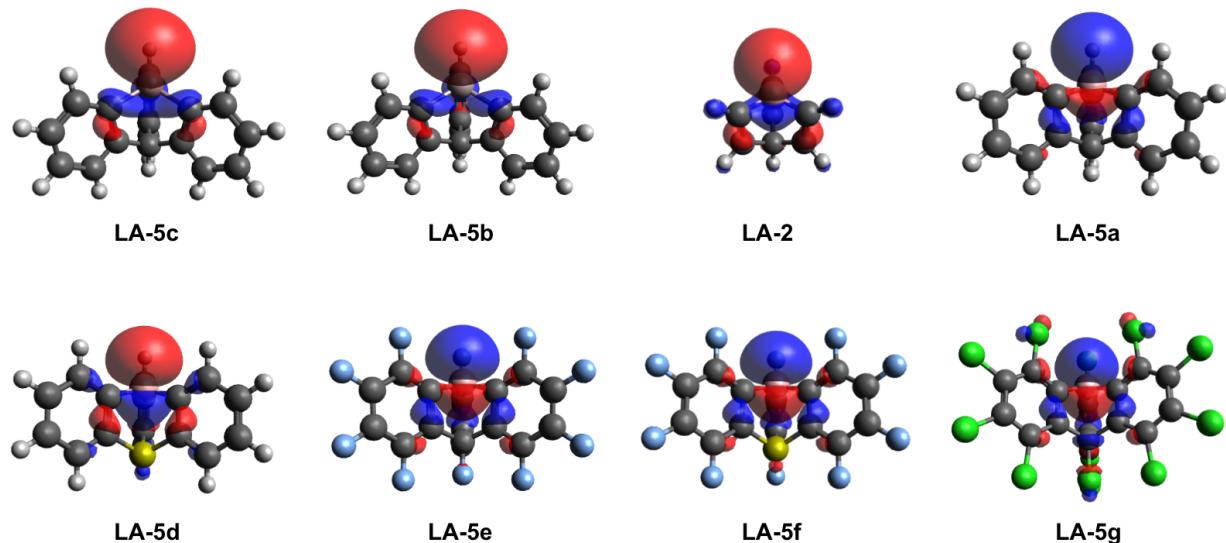


Figure 3: Side view of the molecular orbitals of **5a-g** and **2** LAs showing the empty orbitals of B/Al/Ga.

5 Nature of the bonding in LA-N₂-LB complexes

Table 11: QTAIM analyses for selected LA-N₂-LB complexes. Electron density (ρ), its Laplacian ($\nabla^2\rho$), total electron energy density (H), potential electron energy density (G) and kinetic electron energy density (V).

LA	LB	LA-N ₂					LB-N ₂					
		ρ_1	$\nabla^2\rho_1$	V ₁	G ₁	H ₁	ρ_2	$\nabla^2\rho_2$	V ₂	G ₂	H ₂	
4	1	0.192	0.499	-0.499	0.312	-0.187	0.296	-0.352	-0.389	0.150	-0.238	
	2	0.210	0.515	-0.560	0.344	-0.215	0.190	-0.067	-0.387	0.185	-0.202	
	3	0.208	0.499	-0.550	0.337	-0.213	0.186	-0.058	-0.376	0.181	-0.195	
	4	0.185	0.405	-0.465	0.283	-0.182	0.290	-0.300	-0.369	0.147	-0.222	
	5	0.207	0.493	-0.548	0.336	-0.212	0.199	-0.058	-0.421	0.203	-0.218	
	6	0.197	0.421	-0.502	0.304	-0.198	0.308	-0.860	-0.451	0.118	-0.333	
5a	1	0.142	0.390	-0.335	0.216	-0.119	0.264	-0.214	-0.330	0.139	-0.192	
	2	0.154	0.403	-0.371	0.236	-0.135	0.174	-0.269	-0.291	0.112	-0.179	
	3	0.157	0.383	-0.376	0.236	-0.140	0.178	-0.189	-0.324	0.139	-0.186	
	5	0.159	0.376	-0.382	0.238	-0.144	0.193	-0.155	-0.385	0.173	-0.212	
	6	0.162	0.327	-0.381	0.231	-0.149	0.308	-0.853	-0.450	0.118	-0.331	
	5b	5	0.071	0.318	-0.108	0.094	-0.014	0.186	-0.278	-0.335	0.133	-0.202
	6	0.075	0.334	-0.116	0.100	-0.016	0.305	-0.827	-0.449	0.121	-0.328	
5d	1	0.151	0.331	-0.353	0.218	-0.135	0.302	-0.373	-0.395	0.151	-0.244	
	2	0.158	0.311	-0.369	0.223	-0.145	0.172	-0.218	-0.301	0.124	-0.177	
	3	0.159	0.297	-0.369	0.222	-0.147	0.173	-0.174	-0.311	0.134	-0.177	
	4	0.158	0.291	-0.364	0.218	-0.145	0.302	-0.348	-0.394	0.154	-0.241	
	5	0.163	0.286	-0.377	0.225	-0.153	0.184	-0.162	-0.357	0.152	-0.199	
	6	0.167	0.248	-0.385	0.223	-0.161	0.309	-0.893	-0.476	0.127	-0.350	
5e	1	0.157	0.313	-0.366	0.222	-0.144	0.297	-0.354	-0.389	0.150	-0.239	
	2	0.160	0.290	-0.370	0.221	-0.149	0.173	-0.241	-0.296	0.118	-0.178	
	3	0.159	0.267	-0.364	0.215	-0.149	0.172	-0.197	-0.304	0.127	-0.177	
	4	0.159	0.277	-0.365	0.217	-0.148	0.283	-0.268	-0.360	0.147	-0.213	
	5	0.164	0.257	-0.377	0.221	-0.156	0.188	-0.165	-0.368	0.163	-0.204	
	6	0.171	0.218	-0.390	0.222	-0.168	0.313	-0.909	-0.483	0.128	-0.355	
5f	1	0.164	0.263	-0.378	0.222	-0.156	0.317	-0.444	-0.426	0.157	-0.268	
	2	0.167	0.211	-0.377	0.215	-0.162	0.171	-0.196	-0.300	0.126	-0.174	
	3	0.164	0.193	-0.365	0.207	-0.159	0.168	-0.171	-0.296	0.127	-0.170	
	4	0.171	0.213	-0.389	0.221	-0.168	0.322	-0.436	-0.434	0.163	-0.272	
	5	0.170	0.180	-0.382	0.213	-0.168	0.175	-0.210	-0.316	0.132	-0.185	
	6	0.178	0.149	-0.400	0.219	-0.182	0.315	-0.948	-0.518	0.140	-0.378	
8f	1	0.152	0.314	-0.351	0.215	-0.136	0.299	-0.361	-0.393	0.151	-0.242	
	2	0.157	0.297	-0.364	0.219	-0.145	0.175	-0.215	-0.309	0.127	-0.181	
	3	0.159	0.274	-0.366	0.217	-0.149	0.176	-0.163	-0.324	0.142	-0.182	
	4	0.158	0.274	-0.361	0.215	-0.146	0.319	-0.428	-0.430	0.161	-0.268	
	5	0.162	0.276	-0.373	0.221	-0.152	0.184	-0.205	-0.347	0.148	-0.199	
	6	0.165	0.225	-0.374	0.215	-0.159	0.311	-0.892	-0.471	0.124	-0.347	

6 Analysis of the frustration in the LA-LB interaction

Table 12: LA-LB interaction energy (ΔG_{int}), in kcal/mol, and LA-LB bond distances (R), in Å.

LA	LB	ΔG_{int}	R
4	1	-106.20	1.485
	2	-97.20	1.856
	3	-108.47	1.865
	4	-114.80	1.482
	5	-101.93	1.861
	6	-139.00	1.555
5a	1	-52.21	1.569
	2	-44.77	1.978
	3	-14.24	2.202
	5	-53.41	1.965
	6	-71.51	1.636
	5b	-46.26	2.405
5d	6	-74.05	2.008
	1	-71.76	1.558
	2	-61.94	1.998
	3	-26.85	2.206
	4	-74.90	1.578
	5	-70.79	1.998
5e	6	-100.11	1.631
	1	-67.93	1.547
	2	-50.31	2.002
	3	2.78	2.486
	4	-63.78	1.564
	5	-58.21	2.009
5f	6	-88.89	1.622
	1	-86.96	1.534
	2	-67.15	2.013
	3	-10.87	2.456
	4	-86.20	1.534
	5	-75.37	2.031
8f	6	-117.99	1.615
	1	-70.36	1.559
	2	-51.29	2.034
	3	-40.00	2.154
	4	-66.08	1.580
	5	-60.51	2.034
	6	-81.61	1.652

Table 13: Boron-phosphorous bond distances (R(B-P)), in Å, and LA-LB interaction energies (ΔH and ΔG), in kcal/mol, for selected Lewis acids and bases in comparison with the values from *ACS Omega* **7**, 48493-48505 (2022).

	R(B-P)		ΔH		ΔG	
	Ref.	this work	Ref.	this work	Ref.	this work
5a-2	1.962	1.977	-44.93	-49.81	-30.00	-34.58
5a-3	2.176	2.202	-13.40	-19.22	1.34	-4.31
5b-2	2.422	2.415	-36.81	-42.18	-25.12	-31.99
5b-3	2.507	2.503	-41.59	-47.00	-27.44	-32.88
5e-2	1.983	2.002	-54.73	-56.63	-36.95	-39.74
5e-3	2.152	2.486	-9.80	-2.25	6.45	13.00

7 Cartesian coordinates for all compounds

N₂

2

xyz

N	0.000000	0.000000	-0.000608
N	0.000000	0.000000	1.100608

LA-1

25

xyz

B	-0.000477	0.000340	1.413085
C	1.255148	0.897971	1.114833
C	1.193447	0.853513	-0.456241
C	1.322558	-0.600697	-0.947135
C	0.142748	-1.460378	-0.455860
C	0.149466	-1.535884	1.115199
C	-1.180931	-0.845312	-0.947525
C	-1.335689	0.606493	-0.456796
C	-0.140882	1.445259	-0.947954
C	-1.405493	0.638764	1.114248
H	2.218053	0.490616	1.445837
H	1.181297	1.940958	1.445553
H	2.023207	1.446754	-0.861173
H	1.352877	-0.614679	-2.045245
H	2.269388	-1.030655	-0.595195
H	0.241974	-2.475635	-0.860596
H	1.089564	-1.993103	1.446601
H	-0.684862	-2.166213	1.445744
H	-2.026853	-1.450112	-0.595603
H	-1.207852	-0.865009	-2.045632
H	-2.264325	1.028093	-0.862151
H	-0.242045	2.480318	-0.596324
H	-0.143869	1.478171	-2.046072
H	-1.534082	1.676563	1.444563
H	-2.271902	0.053508	1.445129

LA-2 bora barrelene

15

xyz

C	0.000103	-0.000090	1.155394
H	0.000244	-0.000120	2.246089
B	-0.000084	0.000112	-1.173946
C	-1.348354	-0.497452	0.578669
H	-2.140170	-0.789803	1.263292
C	-1.426637	-0.525875	-0.756724
H	-2.298714	-0.847405	-1.313611
C	0.257757	1.498477	-0.756772
H	0.415137	2.414502	-1.313705
C	0.243492	1.416394	0.578601
H	0.386344	2.248269	1.263223
C	1.168698	-0.972402	-0.756990
H	1.883103	-1.566716	-1.314183
C	1.105061	-0.919111	0.578405
H	1.754205	-1.458840	1.262836

LA-3a

15

xyz

C	1.076358	0.852510	-0.514808
C	-0.186056	1.264208	0.340143
C	0.000255	-0.000520	1.230823
C	1.188049	-0.471236	0.339166
C	0.199573	-1.358481	-0.515380
B	0.000315	0.000600	-1.308110
C	-1.002107	-0.793152	0.339441
C	-1.276466	0.506431	-0.514878
H	0.355500	-2.419649	-0.680188
H	-0.336339	2.286124	0.690526
H	2.148487	-0.852039	0.688763
H	-1.812073	-1.434319	0.689506
H	0.000563	-0.000931	2.319678
H	-2.273512	0.901964	-0.679160
H	1.917233	1.518386	-0.679287

LA-3b

12

xyz

N	1.167482	-0.667027	-0.523844
C	0.005633	-1.228137	0.296634
N	-1.161667	-0.677237	-0.522858
C	-1.066166	0.609626	0.297015
C	-0.000178	-0.000344	1.233255
C	1.060979	0.618483	0.297365
N	-0.005487	1.344900	-0.522917
B	-0.000715	0.000192	-1.134758
H	0.010133	-2.287799	0.541791
H	-1.985919	1.135705	0.542507
H	1.976358	1.151835	0.543605
H	-0.000568	-0.000831	2.317932

LA-4

4

xyz

N	-0.858563	-0.312142	0.206443
B	-0.000182	-0.000303	-0.859174
N	0.699515	-0.587552	0.206530
N	0.159204	0.899909	0.206250

LA-5a

33

xyz

C	1.275310	-0.811095	-0.816657
C	1.204600	-0.766164	0.595487
C	2.178005	-1.385304	1.365717
H	2.119906	-1.348246	2.451284
C	3.232137	-2.055694	0.738922
H	3.995812	-2.541265	1.339836
C	3.304805	-2.101954	-0.649686
H	4.126086	-2.624305	-1.132403

C	2.325565	-1.479187	-1.429970
H	2.393890	-1.522657	-2.513838
C	0.064944	1.509795	-0.816802
C	0.061427	1.426147	0.595353
C	0.110722	2.578692	1.365615
H	0.107757	2.509851	2.451184
C	0.163978	3.826742	0.738778
H	0.202645	4.730921	1.339679
C	0.167555	3.912810	-0.649829
H	0.208969	4.885268	-1.132508
C	0.118039	2.753376	-1.430159
H	0.121331	2.834292	-2.514023
C	-1.339782	-0.698861	-0.816774
C	-1.265633	-0.659982	0.595353
C	0.000099	0.000034	1.159879
C	-2.288615	-1.193300	1.365531
H	-2.227606	-1.161394	2.451101
C	-3.396270	-1.770831	0.738643
H	-4.198814	-2.189173	1.339495
C	-3.472599	-1.810726	-0.649965
H	-4.335682	-2.260607	-1.132736
C	-2.443472	-1.274308	-1.430199
H	-2.515223	-1.311707	-2.514074
H	0.000031	0.000074	2.253173
B	0.000195	-0.000080	-1.234111

LA-5b

33

xyz			
C	1.518048	-0.965356	-1.040935
C	1.247300	-0.793174	0.338742
C	2.105593	-1.339028	1.292589
H	1.895525	-1.205404	2.351934
C	3.232807	-2.056017	0.894989
H	3.896433	-2.478141	1.644728
C	3.506829	-2.230319	-0.458961
H	4.385737	-2.789359	-0.768881
C	2.650540	-1.685648	-1.416717
H	2.879422	-1.831251	-2.470087
C	0.077285	1.797021	-1.040820
C	0.063418	1.476615	0.338862
C	0.106801	2.492943	1.292598
H	0.095979	2.244359	2.351980
C	0.163919	3.827578	0.894841
H	0.197316	4.613496	1.644475
C	0.177967	4.151881	-0.459138
H	0.222592	5.192530	-0.769186
C	0.134689	3.137869	-1.416835
H	0.146420	3.408758	-2.470237
C	-1.594847	-0.831796	-1.041057
C	-1.310420	-0.683602	0.338683
C	0.000083	-0.000105	0.795236
C	-2.212387	-1.153860	1.292460
H	-1.991659	-1.038755	2.351819

C	-3.397031	-1.771264	0.894803
H	-4.094611	-2.134700	1.644488
C	-3.684929	-1.921309	-0.459158
H	-4.608649	-2.402698	-0.769110
C	-2.784948	-1.452255	-1.416924
H	-3.025533	-1.577600	-2.470288
H	0.000132	-0.000196	1.888372
Al	0.000289	-0.000049	-1.761968

LA-5c

33

xyz			
C	1.512453	-0.961946	-1.024304
C	1.247750	-0.793525	0.351758
C	2.111031	-1.342507	1.297713
H	1.908180	-1.213447	2.358822
C	3.235481	-2.057647	0.889098
H	3.904329	-2.482898	1.632263
C	3.499398	-2.225588	-0.467661
H	4.376235	-2.783310	-0.785202
C	2.636688	-1.677007	-1.416990
H	2.854978	-1.815966	-2.472623
C	0.076948	1.790662	-1.024293
C	0.063416	1.477253	0.351763
C	0.107204	2.499378	1.297688
H	0.096804	2.259247	2.358800
C	0.164217	3.830720	0.888947
H	0.198027	4.622635	1.632094
C	0.177661	4.143245	-0.467799
H	0.222178	5.181478	-0.785313
C	0.134066	3.121789	-1.417104
H	0.145181	3.380224	-2.472760
C	-1.589137	-0.828848	-1.024436
C	-1.311044	-0.683742	0.351626
C	0.000007	-0.000055	0.794343
C	-2.218212	-1.156726	1.297518
H	-2.005071	-1.045516	2.358624
C	-3.399837	-1.772741	0.888855
H	-4.102746	-2.139010	1.632000
C	-3.677155	-1.917448	-0.467906
H	-4.598590	-2.397887	-0.785480
C	-2.770516	-1.444898	-1.417200
H	-2.999896	-1.564619	-2.472839
H	-0.000029	-0.000086	1.887848
Ga	0.000116	-0.000052	-1.746553

LA-5d

32

xyz			
C	-0.931445	-2.560758	1.539350
C	-0.521104	-1.432104	0.838572
C	-0.544695	-1.496540	-0.564317
C	-0.951117	-2.613828	-1.278934
C	-1.357015	-3.730626	-0.548721

C	-1.345605	-3.699737	0.843808
B	-0.000151	0.000202	1.213591
C	1.500610	0.264961	0.838619
C	1.568120	0.276824	-0.564206
C	2.739005	0.483399	-1.278730
C	3.909232	0.689666	-0.548476
C	3.876833	0.683789	0.844048
C	2.683258	0.473365	1.539448
S	-0.000173	-0.000033	-1.430115
C	-1.023983	1.219875	-0.564418
C	-0.980001	1.167390	0.838410
C	-1.752177	2.087204	1.539084
C	-2.531190	3.015557	0.843568
C	-2.552063	3.040882	-0.548961
C	-1.788092	2.130649	-1.279105
H	-1.794886	2.139118	-2.364848
H	-3.162638	3.768856	-1.072430
H	-3.130073	3.729171	1.400477
H	-1.753367	2.088425	2.624465
H	2.749834	0.485407	-2.364468
H	4.844964	0.854733	-1.071859
H	4.794256	0.845461	1.401058
H	2.684799	0.473543	2.624831
H	-0.954833	-2.624100	-2.364682
H	-1.681658	-4.623616	-1.072177
H	-1.663798	-4.575334	1.400751
H	-0.931791	-2.562397	2.624728

LA-5e

33

xyz			
C	1.481610	2.277525	1.512300
C	0.819062	1.259124	0.873259
C	0.783347	1.204422	-0.537776
C	1.423692	2.189611	-1.269943
C	2.095177	3.221886	-0.607543
C	2.127537	3.270949	0.777578
B	0.000048	0.000013	1.310103
C	-1.499768	0.079725	0.873108
C	-1.434423	0.076189	-0.537897
C	-2.607706	0.138417	-1.270129
C	-3.837470	0.203720	-0.607845
C	-3.896283	0.206940	0.777285
C	-2.713031	0.144221	1.512112
C	0.000155	0.000022	-1.108214
C	0.651481	-1.280470	-0.537847
C	0.681105	-1.338735	0.873174
C	1.231810	-2.421758	1.512151
C	1.768733	-3.478036	0.777334
C	1.741823	-3.425666	-0.607815
C	1.183671	-2.327925	-1.270124
F	1.193083	-2.347648	-2.601005
F	2.251900	-4.429600	-1.314120
F	2.302424	-4.527834	1.391965

F	1.262917	-2.482781	2.849488
F	-2.629694	0.139420	-2.600993
F	-4.961933	0.263427	-1.314192
F	-5.072292	0.269456	1.391930
F	-2.781375	0.148046	2.849458
F	1.435206	2.208493	-2.600816
F	2.708864	4.166113	-1.313755
F	2.769635	4.258142	1.392280
F	1.519077	2.334742	2.849642
F	0.000325	-0.000060	-2.466488

LA-5f

32

xyz

C	-1.782695	2.123430	-1.270400
C	-1.012120	1.205611	-0.574312
C	-0.976249	1.163234	0.830816
C	-1.739454	2.072694	1.525909
C	-2.527238	3.010983	0.846353
C	-2.549572	3.037146	-0.545514
S	0.000101	-0.000074	-1.448817
C	1.550453	0.273582	-0.574299
C	1.495792	0.263828	0.830810
C	2.664875	0.470182	1.526125
C	3.871417	0.683289	0.846823
C	3.905425	0.689444	-0.545029
C	2.730784	0.482045	-1.270104
B	0.000254	-0.000174	1.231143
C	-0.519110	-1.427389	0.830720
C	-0.925423	-2.542931	1.525882
C	-1.344594	-3.694164	0.846431
C	-1.356233	-3.726570	-0.545438
C	-0.948107	-2.605694	-1.270379
C	-0.538097	-1.479548	-0.574403
F	-1.801074	2.145120	-2.593328
F	-3.292508	3.921981	-1.178945
F	-3.251536	3.873873	1.523216
F	-1.741080	2.074964	2.853712
F	2.759087	0.487213	-2.593027
F	5.043254	0.890591	-1.178271
F	4.980703	0.879298	1.523872
F	2.667425	0.470537	2.853927
F	-0.957723	-2.632584	-2.593302
F	-1.751307	-4.812318	-1.178836
F	-1.730013	-4.752739	1.523344
F	-0.926380	-2.545457	2.853683

LA-5g

33

xyz

C	1.243293	-2.444271	-1.320611
C	0.672013	-1.321318	-0.692686
C	0.673040	-1.323745	0.714071
C	1.188897	-2.338554	1.483462

C	1.755134	-3.451965	0.866536
C	1.776655	-3.493602	-0.531098
C	0.000187	-0.000218	-1.285605
Cl	0.000583	-0.001195	-3.049252
B	0.000183	-0.000355	1.133814
C	-1.482302	0.078470	0.713856
C	-1.479807	0.078722	-0.692886
C	-2.737880	0.146613	-1.320754
C	-3.913353	0.208816	-0.531336
C	-3.866472	0.205426	0.866347
C	-2.619084	0.138714	1.483268
Cl	-3.000988	0.162700	-3.035241
Cl	-5.465698	0.292189	-1.290200
Cl	-5.301526	0.281393	1.816956
Cl	-2.440872	0.128429	3.210604
Cl	1.107882	-2.179745	3.210870
Cl	2.406222	-4.733053	1.817167
Cl	2.481639	-4.879222	-1.289940
Cl	1.363634	-2.679376	-3.034922
C	0.809857	1.244036	0.713888
C	1.430822	2.198219	1.483248
C	2.111178	3.245851	0.866306
C	2.135587	3.286037	-0.531369
C	1.493759	2.299271	-1.320736
C	0.808007	1.242327	-0.692864
Cl	1.335001	2.048004	3.210615
Cl	1.635708	2.521461	-3.035221
Cl	2.981542	4.590287	-1.290355
Cl	2.895147	4.450191	1.816976

LA-6

36

xyz			
0	-0.507585	-1.272336	-1.692560
0	1.355587	0.196622	-1.692716
0	-0.848164	1.075744	-1.692663
C	-1.421253	-1.472569	-0.685647
C	-1.214679	-0.876860	0.568088
C	-2.172285	-1.122441	1.556231
C	-3.275006	-1.938035	1.322245
C	-3.438532	-2.535114	0.074190
C	-2.510381	-2.299255	-0.933417
C	1.986006	-0.494459	-0.685854
C	1.366881	-0.613335	0.567927
C	2.058254	-1.319939	1.556053
C	3.315883	-1.867190	1.322109
C	3.914756	-1.710299	0.074059
C	3.246526	-1.024401	-0.933607
C	-0.564800	1.967133	-0.685747
C	-0.152195	1.490484	0.568000
C	0.114007	2.442676	1.556039
C	-0.040825	3.805443	1.321984
C	-0.476135	4.245519	0.073916
C	-0.736130	3.323695	-0.933562

C	0.000082	0.000094	0.921982
B	-0.000084	0.000005	-1.750566
H	-2.045069	-0.665006	2.535000
H	-3.997671	-2.111889	2.113596
H	-4.290627	-3.180121	-0.118670
H	-2.615535	-2.740448	-1.919311
H	1.598442	-1.438533	2.534792
H	3.827696	-2.406161	2.113477
H	4.899398	-2.125816	-0.118694
H	0.446677	2.103851	2.534791
H	-1.065690	3.635337	-1.919437
H	0.000190	0.000130	2.014964
H	3.681267	-0.894933	-1.919485
H	0.170087	4.518250	2.113288
H	-0.608661	5.305953	-0.118968

LA-7

58

xyz			
C	-1.735048	3.054862	-0.040863
H	-1.827105	4.125110	0.083520
C	-0.499418	2.340027	-0.204668
C	-2.782284	2.146381	-0.040815
C	0.900087	2.604218	-0.138825
N	-0.901895	1.036231	-0.354758
C	-2.250834	0.824048	-0.220300
H	-3.827989	2.385227	0.097482
C	1.397328	3.981644	0.069824
C	1.830848	1.525238	-0.202127
C	-2.722714	-0.521104	-0.181644
C	2.403226	4.495310	-0.758329
C	0.879607	4.780825	1.096898
C	3.227491	1.318483	0.058561
N	1.346359	0.254748	-0.397123
C	-1.790267	-1.599506	-0.216803
C	-4.172143	-0.786267	-0.055330
C	2.877099	5.789234	-0.565908
H	2.795348	3.888697	-1.570531
C	1.359080	6.072670	1.288331
H	0.124235	4.379316	1.767146
H	3.945163	2.100628	0.265831
C	3.487157	-0.043383	0.056212
C	2.264141	-0.748817	-0.204354
N	-0.455917	-1.293385	-0.303237
C	-1.798122	-3.033788	-0.130850
C	-5.077981	-0.162453	-0.922531
C	-4.654658	-1.655259	0.931426
H	3.649325	6.182591	-1.219757
C	2.356086	6.579661	0.456713
H	0.959641	6.681237	2.093730
H	4.442487	-0.507066	0.261410
C	1.797257	-2.096186	-0.157085
C	0.397756	-2.363314	-0.210878
C	-0.488957	-3.490756	-0.126227

H	-2.683326	-3.652499	-0.075459
H	-4.709924	0.494986	-1.705928
C	-6.442324	-0.409253	-0.807208
H	-3.963028	-2.118077	1.630373
C	-6.020037	-1.896392	1.045663
H	2.727679	7.588560	0.606726
C	2.768169	-3.198925	0.007193
H	-0.181607	-4.525852	-0.066762
H	-7.135869	0.070187	-1.491074
C	-6.915410	-1.275879	0.176301
H	-6.386038	-2.563271	1.820215
C	3.891379	-3.271888	-0.826607
C	2.583229	-4.174583	0.995119
H	-7.980335	-1.466589	0.265958
H	4.030277	-2.531920	-1.610492
C	4.809528	-4.306331	-0.677772
C	3.505740	-5.205312	1.142986
H	1.733800	-4.108033	1.669707
H	5.671219	-4.360427	-1.335883
C	4.618459	-5.274238	0.306450
H	3.360079	-5.950951	1.918481
H	5.336276	-6.080288	0.422603
B	-0.004192	-0.001707	-0.419360

LA-8a

4

xyz

B	0.112277	0.000000	-0.039695
H	-0.106115	0.000000	1.136525
H	1.240380	-0.000000	-0.438536
H	-0.796880	0.000000	-0.817270

LA-8b

4

xyz

B	-0.000004	0.000000	0.000000
F	0.658936	1.142338	0.000000
F	0.659828	-1.141830	-0.000000
F	-1.318760	-0.000505	0.000000

LA-8c

4

xyz

B	0.000000	0.000011	0.000000
Cl	0.899363	1.499216	0.000000
Cl	0.848741	-1.528393	0.000000
Cl	-1.748104	0.029173	-0.000000

LA-8d

4

xyz

B	-0.000015	0.000017	-0.000000
Br	1.267033	-1.408195	-0.000000
Br	-1.853081	-0.393175	-0.000000

Br 0.586063 1.801391 0.000000

LA-8e

13

xyz

B	0.072028	0.000000	-0.039226
C	-0.169879	0.000000	1.524346
C	1.565082	-0.000000	-0.569523
C	-1.117118	0.000000	-1.077414
H	1.662719	-0.000000	-1.661110
H	2.108504	0.873449	-0.180372
H	2.108504	-0.873449	-0.180372
H	-2.121793	0.000000	-0.641835
H	-1.028439	0.871837	-1.743168
H	-1.028439	-0.871837	-1.743168
H	-1.222580	0.000000	1.826470
H	0.316795	-0.872816	1.984212
H	0.316795	0.872816	1.984212

LA-8f

13

xyz

B	-0.052726	-0.007189	-0.000000
C	1.565218	-0.012102	-0.000000
C	-0.808097	1.422106	-0.000000
C	-0.819393	-1.425067	-0.000000
F	-2.146007	1.347331	-0.000000
F	-0.447388	2.126226	1.091946
F	-0.447388	2.126226	-1.091946
F	-2.155930	-1.363443	-0.000000
F	-0.449995	-2.123108	-1.094853
F	-0.449995	-2.123108	1.094853
F	2.111264	-1.237366	-0.000000
F	2.025873	0.630883	-1.091555
F	2.025873	0.630883	1.091555

LA-8g

34

xyz

B	-0.000000	-0.000000	-0.000559
C	0.390041	1.300134	-0.783871
C	1.092563	3.642918	-2.194760
C	1.183781	1.264094	-1.933153
C	-0.034662	2.567186	-0.376022
C	0.291118	3.727490	-1.061966
C	1.548006	2.404636	-2.632765
C	-0.000000	-0.000000	1.566675
C	-0.000000	-0.000000	4.390278
C	0.997058	0.638511	2.308451
C	-0.997058	-0.638511	2.308451
C	-1.019723	-0.639894	3.694979
C	1.019723	0.639894	3.694979
C	-0.390041	-1.300134	-0.783871
C	-1.092563	-3.642918	-2.194760

C	-1.183781	-1.264094	-1.933153
C	0.034662	-2.567186	-0.376022
C	-0.291118	-3.727490	-1.061966
C	-1.548006	-2.404636	-2.632765
F	-0.150578	4.912412	-0.648871
F	-0.816117	2.696765	0.702423
F	1.422326	4.742588	-2.856977
F	2.321568	2.326325	-3.712250
F	1.653704	0.096093	-2.386345
F	-1.653704	-0.096093	-2.386345
F	0.816117	-2.696765	0.702423
F	0.150578	-4.912412	-0.648871
F	-2.321568	-2.326325	-3.712250
F	-1.422326	-4.742588	-2.856977
F	-1.999131	-1.244781	4.361826
F	-0.000000	-0.000000	5.715620
F	2.004081	1.258769	1.682570
F	1.999131	1.244781	4.361826
F	-2.004081	-1.258769	1.682570

LB-1

9

xyz			
N	-2.761101	-0.150035	0.184479
H	-3.623586	0.378589	0.154827
H	-2.692660	-0.734437	1.008147
N	-0.453723	-0.008429	0.176313
H	0.372508	0.481381	-0.137594
H	-0.450808	-0.982236	-0.099983
N	-1.817941	1.875568	-0.420839
H	-0.933272	2.314246	-0.668449
C	-1.656965	0.661212	-0.050441

LB-2

34

xyz			
P	0.000000	-0.000000	1.261388
C	0.376410	1.606362	0.438904
C	-0.191830	2.756669	1.001316
C	1.183798	1.741511	-0.695229
C	0.021900	4.009073	0.432245
H	-0.809612	2.670173	1.892698
C	1.409397	2.996858	-1.258197
H	1.640462	0.863611	-1.143822
C	0.826210	4.131988	-0.699788
H	-0.431363	4.889907	0.878450
H	2.041178	3.085525	-2.137828
H	1.001973	5.109189	-1.140843
C	1.202945	-1.129161	0.438904
C	0.916294	-1.895954	-0.695229
C	2.483261	-1.212205	1.001316
C	1.890656	-2.719003	-1.258197
H	-0.072322	-1.852487	-1.143822
C	3.461009	-2.023502	0.432245

H	2.717244	-0.633942	1.892698
C	3.165302	-2.781513	-0.699788
H	1.651554	-3.310474	-2.137828
H	4.450466	-2.071382	0.878450
H	3.923701	-3.422328	-1.140843
C	-1.579355	-0.477201	0.438904
C	-2.291431	-1.544464	1.001316
C	-2.100091	0.154443	-0.695229
C	-3.482909	-1.985571	0.432245
H	-1.907632	-2.036231	1.892698
C	-3.300054	-0.277855	-1.258197
H	-1.568140	0.988876	-1.143822
C	-3.991511	-1.350475	-0.699788
H	-4.019102	-2.818525	0.878450
H	-3.692732	0.224949	-2.137828
H	-4.925674	-1.686860	-1.140843

LB-3

40

xyz

P	-0.000000	0.000000	0.711900
C	0.006422	1.790194	0.006391
C	1.547142	-0.900658	0.006391
C	-1.553564	-0.889535	0.006391
C	1.396727	2.418304	0.222602
H	2.157534	2.013640	-0.448199
H	1.331235	3.495073	0.018569
H	1.740663	2.301160	1.256114
C	-0.950173	2.627293	0.884675
H	-0.866219	3.684704	0.599166
H	-1.998185	2.348212	0.775170
H	-0.687352	2.542480	1.944647
C	-0.375443	1.975497	-1.470553
H	-0.269695	3.035040	-1.742798
H	0.265032	1.397906	-2.142143
H	-1.412891	1.697024	-1.671592
C	2.750389	-0.490772	0.884675
H	3.624157	-1.092185	0.599166
H	3.032704	0.556373	0.775170
H	2.545528	-0.675976	1.944647
C	1.395950	-2.418753	0.222602
H	0.665097	-2.875299	-0.448199
H	2.361204	-2.900420	0.018569
H	1.122532	-2.658038	1.256114
C	1.898552	-0.662605	-1.470553
H	2.176111	0.375087	-1.671592
H	2.763269	-1.283957	-1.742798
H	1.078106	-0.928477	-2.142143
C	-1.523109	-1.312891	-1.470553
H	-2.493575	-1.751083	-1.742798
H	-1.343138	-0.469428	-2.142143
H	-0.763221	-2.072111	-1.671592
C	-1.800216	-2.136521	0.884675
H	-2.757938	-2.592520	0.599166

H	-1.034519	-2.904585	0.775170
H	-1.858176	-1.866504	1.944647
C	-2.792676	0.000449	0.222602
H	-2.863195	0.356878	1.256114
H	-2.822631	0.861659	-0.448199
H	-3.692440	-0.594653	0.018569

LB-4

33

xyz

P	-2.357717	1.488014	0.236952
N	-3.653219	0.991931	-0.748996
N	-1.216845	0.307926	-0.189216
N	-1.985448	2.993413	-0.411655
C	-4.159728	-0.361581	-0.535848
H	-4.875906	-0.403269	0.299170
H	-3.341200	-1.050889	-0.319176
H	-4.672046	-0.704120	-1.443470
C	-4.741698	1.946064	-0.934661
H	-4.340807	2.940903	-1.133930
H	-5.395472	2.005021	-0.050404
H	-5.347060	1.629400	-1.792300
C	-1.027315	-0.218724	-1.530360
H	-1.931895	-0.086283	-2.125398
H	-0.799163	-1.292192	-1.477204
H	-0.191920	0.278466	-2.047961
C	-0.021289	0.203498	0.634223
H	-0.212375	0.615640	1.626527
H	0.825868	0.748102	0.186748
H	0.267922	-0.850412	0.737792
C	-1.450249	4.039311	0.447118
H	-1.854382	3.921197	1.452224
H	-1.744486	5.017089	0.045078
H	-0.350157	4.003211	0.499156
C	-1.515569	3.059025	-1.784230
H	-2.049827	2.337073	-2.407245
H	-0.433444	2.864778	-1.867349
H	-1.711680	4.061111	-2.184262
N	-2.515484	1.676321	1.772017
C	-2.886258	0.612054	2.680380
H	-3.960485	0.370426	2.638624
H	-2.673944	0.926398	3.709485
H	-2.338772	-0.332552	2.513064

LB-5

35

xyz

P	10.383507	12.680786	4.124096
N	7.049282	11.829063	4.289549
N	9.752724	12.407760	5.698120
N	9.279292	13.830699	3.484828
N	9.930563	11.244698	3.297898
C	7.332947	11.628851	5.691934
H	6.750344	10.769659	6.067318

H	6.972934	12.508774	6.239013
C	8.806058	11.363626	6.040395
H	8.881072	11.179261	7.121314
H	9.108644	10.431693	5.547941
C	7.428177	10.800387	3.348525
H	6.611161	10.645161	2.622626
H	7.533566	9.858587	3.900874
C	8.705346	11.077478	2.539904
H	8.855567	10.251044	1.831099
H	8.534846	11.975110	1.933457
C	6.844265	13.174673	3.805309
H	5.937944	13.600147	4.270192
H	6.642328	13.119647	2.728568
C	7.994112	14.158980	4.071520
H	7.696723	15.150728	3.702775
H	8.111848	14.257529	5.157375
C	10.157353	13.311810	6.754268
H	10.993458	13.929029	6.406000
C	10.811653	10.100252	3.399929
H	11.764707	10.411689	3.842664
C	9.633235	14.490331	2.245404
H	10.684411	14.286933	2.010938
H	10.400532	9.296646	4.032092
H	11.023385	9.676039	2.408151
H	10.494799	12.756355	7.640824
H	9.350963	13.994292	7.067960
H	9.511394	15.579568	2.329746
H	9.031083	14.146737	1.388782

LB-6

53

xyz			
C	-0.000056	-2.073297	0.000069
N	-0.687048	0.190211	-0.187307
C	-1.040532	-1.177788	-0.225043
N	0.687024	0.190195	0.187316
C	-1.462672	1.120817	0.587709
C	1.040456	-1.177812	0.225106
C	1.462700	1.120736	-0.587727
N	-2.341376	-1.477854	-0.445182
C	-2.759859	-2.879539	-0.488389
C	-3.316813	-0.586322	-1.075617
N	2.341300	-1.477888	0.445219
C	2.759767	-2.879575	0.488515
C	3.316768	-0.586315	1.075545
C	1.905160	0.784858	-1.866857
C	1.757719	2.365765	-0.042108
C	2.657099	1.700304	-2.595981
C	2.956382	2.951378	-2.053794
C	2.502733	3.284679	-0.779364
C	-1.757642	2.365838	0.042044
C	-1.905119	0.785015	1.866863
C	-2.502608	3.284814	0.779273
C	-2.956253	2.951585	2.053723

C	-2.657011	1.700522	2.595959
C	-4.300682	-1.549439	-1.747599
C	-4.243693	-2.786535	-0.844208
C	4.243615	-2.786558	0.844276
C	4.300651	-1.549390	1.747568
H	1.661402	-0.193394	-2.273101
H	3.010044	1.439229	-3.589711
H	3.544200	3.664031	-2.625412
H	2.733668	4.257455	-0.354616
H	1.401985	2.600155	0.956848
H	-1.401913	2.600171	-0.956927
H	-2.733508	4.257582	0.354487
H	-3.544033	3.664286	2.625319
H	-3.009950	1.439504	3.589706
H	-1.661396	-0.193229	2.273145
H	-2.820240	0.084245	-1.785946
H	-3.821710	0.035880	-0.325093
H	-5.303075	-1.121395	-1.838885
H	-3.946537	-1.805469	-2.753181
H	-4.842814	-2.621515	0.059623
H	-4.610389	-3.693157	-1.333445
H	-2.560030	-3.363085	0.471293
H	-2.186504	-3.420958	-1.252009
H	2.559900	-3.363192	-0.471122
H	2.186434	-3.420930	1.252198
H	4.610318	-3.693146	1.333571
H	4.842706	-2.621616	-0.059589
H	3.946539	-1.805336	2.753182
H	5.303051	-1.121349	1.838783
H	2.820226	0.084315	1.785835
H	3.821642	0.035819	0.324949

LA-1_N₂

27

xyz			
C	-0.140971	1.443322	-0.962303
C	1.195281	0.851599	-0.476992
C	1.319811	-0.599551	-0.976889
C	0.144445	-1.461629	-0.480538
C	-1.179738	-0.843438	-0.965867
C	-1.333347	0.604880	-0.465782
C	1.268266	0.892702	1.067494
B	0.011926	-0.009294	1.550663
C	-1.399276	0.632345	1.079311
C	0.159748	-1.547651	1.063711
H	2.238533	0.494725	1.398198
H	1.207456	1.936328	1.408562
H	2.019109	1.443623	-0.898163
H	1.341537	-0.607630	-2.075703
H	2.270388	-1.031876	-0.635253
H	0.241053	-2.470468	-0.904205
H	1.097480	-2.017292	1.394240
H	-0.666495	-2.189413	1.402282
H	-2.025822	-1.450938	-0.616154

H	-1.209104	-0.856663	-2.064445
H	-2.259699	1.026303	-0.879122
H	-0.240497	2.479252	-0.609958
H	-0.149197	1.477063	-2.060806
H	-1.538563	1.668308	1.420702
H	-2.271380	0.054514	1.418025
N	0.019360	-0.015391	3.166213
N	0.024129	-0.019531	4.269194

LA-2_N₂

17

xyz

C	-1.449409	-0.522306	-0.679060
C	-1.344282	-0.494129	0.649457
C	0.007928	-0.000084	1.195761
C	1.091983	-0.913294	0.594328
C	1.123567	-0.964542	-0.737334
B	-0.048624	-0.000698	-1.306674
C	0.220211	1.485347	-0.717317
C	0.236623	1.406794	0.613248
H	0.032536	0.000111	2.287074
H	-2.124670	-0.787519	1.346698
H	-2.345962	-0.848677	-1.199619
H	0.367512	2.414493	-1.261672
H	0.395567	2.243157	1.288889
H	1.836107	-1.567604	-1.294066
H	1.759499	-1.455846	1.258648
N	-0.084605	-0.000541	-2.875147
N	-0.110083	0.000046	-3.976866

LA-3a_N₂

17

xyz

C	-1.253819	0.510618	-0.464773
C	-0.187305	1.262044	0.405698
C	1.040418	0.848017	-0.477980
C	1.179439	-0.464305	0.369574
C	0.004705	-0.009002	1.290994
C	-0.999318	-0.784772	0.382041
C	0.185467	-1.307446	-0.502778
B	-0.016741	0.031091	-1.435857
H	0.338493	-2.357946	-0.750404
H	-0.334292	2.276671	0.782958
H	2.140615	-0.849515	0.717597
H	-1.804801	-1.429952	0.740255
H	0.013275	-0.024977	2.382774
H	-2.245881	0.906685	-0.682075
H	1.873835	1.512664	-0.705906
N	-0.028478	0.052474	-2.928392
N	-0.037290	0.068039	-4.038602

LA-4_N₂

6

xyz

N	-0.805972	-0.286082	0.299059
N	0.147329	0.848829	0.276339
N	0.653745	-0.543837	0.318718
B	0.008819	-0.026400	-0.897527
N	0.020281	-0.065137	-2.322688
N	0.029320	-0.094964	-3.432986

LA-5a_N₂

35

xyz

C	-2.414191	-1.262847	-1.416495
C	-1.312319	-0.687717	-0.796450
C	-1.251153	-0.654159	0.608041
C	-2.278061	-1.188473	1.372675
C	-3.383448	-1.765456	0.740206
C	-3.451523	-1.802676	-0.648523
B	0.020939	0.006903	-1.372783
C	0.081301	1.503695	-0.783057
C	0.069094	1.421787	0.620720
C	0.113367	2.571649	1.395709
C	0.170615	3.822854	0.774415
C	0.183113	3.912430	-0.613524
C	0.138419	2.750827	-1.391966
C	0.004799	0.001440	1.180303
C	1.206848	-0.759677	0.623185
C	1.282352	-0.799117	-0.780434
C	2.338359	-1.467165	-1.387049
C	3.315794	-2.093722	-0.606446
C	3.233843	-2.050106	0.781331
C	2.174376	-1.379937	1.400307
H	2.109139	-1.345121	2.485659
H	3.993200	-2.536908	1.386978
H	4.139647	-2.614796	-1.086585
H	2.419873	-1.512336	-2.472472
H	0.103492	2.500282	2.481184
H	0.205248	4.725302	1.378386
H	0.227649	4.885348	-1.095414
H	0.148952	2.841488	-2.477556
H	-2.223635	-1.158704	2.458774
H	-4.189356	-2.184716	1.336105
H	-4.310995	-2.251398	-1.139145
H	-2.485759	-1.301516	-2.502883
H	-0.002009	-0.000880	2.274282
N	0.030230	0.010052	-2.937937
N	0.036491	0.012091	-4.039200

LA-5b_N₂

35

xyz

C	-2.794799	-1.456606	-1.326442
C	-1.601732	-0.834460	-0.959190
C	-1.315943	-0.685822	0.419068
C	-2.213656	-1.154206	1.377261
C	-3.400450	-1.772991	0.986190

C	-3.693133	-1.925334	-0.366168
Al	-0.028096	-0.013269	-1.753250
C	-0.005402	-0.002415	0.866193
C	0.053858	1.468111	0.398635
C	0.054938	1.770865	-0.983960
C	0.110546	3.109926	-1.370210
C	0.163770	4.135290	-0.424382
C	0.161907	3.824311	0.932472
C	0.107182	2.492672	1.342486
C	1.234318	-0.794996	0.397659
C	1.482506	-0.966336	-0.985152
C	2.611936	-1.687073	-1.372730
C	3.483743	-2.231107	-0.427867
C	3.228518	-2.055592	0.929277
C	2.105530	-1.338562	1.340536
H	1.910252	-1.203880	2.402725
H	3.902663	-2.476059	1.670721
H	4.358724	-2.789661	-0.750146
H	2.828958	-1.835172	-2.429370
H	0.106199	2.254419	2.404434
H	0.203156	4.617066	1.674660
H	0.206644	5.172780	-0.745674
H	0.113116	3.373684	-2.426590
H	-1.989259	-1.037415	2.435794
H	-4.094864	-2.135178	1.739587
H	-4.617763	-2.407450	-0.672871
H	-3.041870	-1.585127	-2.379034
H	0.003929	0.001976	1.959894
N	-0.044969	-0.020543	-3.943407
N	-0.053832	-0.024919	-5.042675

LA-5c_N₂

35

xyz			
C	-2.783732	-1.450412	-1.326551
C	-1.598338	-0.832333	-0.945660
C	-1.316052	-0.685781	0.428552
C	-2.216538	-1.155816	1.381200
C	-3.401118	-1.773401	0.982580
C	-3.686080	-1.921497	-0.371937
Ga	-0.027406	-0.012711	-1.711812
C	-0.005700	-0.002644	0.871656
C	0.053790	1.467893	0.408840
C	0.055323	1.767309	-0.969516
C	0.110817	3.097582	-1.368796
C	0.163906	4.127169	-0.428312
C	0.161654	3.824475	0.930446
C	0.106735	2.495315	1.347444
C	1.234036	-0.795111	0.407710
C	1.479906	-0.964139	-0.970888
C	2.602277	-1.679796	-1.371184
C	3.477294	-2.226327	-0.431486
C	3.228387	-2.055912	0.927505
C	2.107238	-1.340471	1.345514

H	1.918058	-1.210294	2.409104
H	3.905718	-2.478888	1.664432
H	4.351154	-2.783662	-0.758151
H	2.811227	-1.821907	-2.429146
H	0.105627	2.264844	2.410853
H	0.202786	4.621413	1.667973
H	0.206999	5.162988	-0.754179
H	0.113540	3.351077	-2.426563
H	-1.999230	-1.042975	2.441377
H	-4.099440	-2.137911	1.731070
H	-4.609215	-2.402828	-0.683627
H	-3.021451	-1.573960	-2.380761
H	0.003417	0.001564	1.965038
N	-0.045163	-0.020875	-3.987497
N	-0.053799	-0.025056	-5.086752

LA-5d_N₂

34

xyz			
C	-1.769666	2.114900	-1.267842
C	-0.997102	1.202653	-0.563605
C	-0.931465	1.138680	0.831881
C	-1.700306	2.060721	1.537082
C	-2.490176	2.993749	0.860126
C	-2.527743	3.024385	-0.531091
S	0.007971	-0.002147	-1.448621
C	1.580758	0.266719	-0.612490
C	1.536179	0.242722	0.785075
C	2.740576	0.447932	1.452835
C	3.921792	0.664984	0.738473
C	3.923612	0.681379	-0.653489
C	2.734480	0.479213	-1.353286
B	0.052250	-0.026513	1.352137
C	-0.473728	-1.446545	0.802095
C	-0.876433	-2.591900	1.483722
C	-1.300581	-3.724135	0.783110
C	-1.330944	-3.734878	-0.608578
C	-0.934243	-2.604244	-1.322005
C	-0.518953	-1.498096	-0.594695
H	-1.787309	2.124910	-2.353478
H	-3.144414	3.752977	-1.046537
H	-3.082228	3.703983	1.428788
H	-1.697260	2.068091	2.624532
H	2.718034	0.488767	-2.438945
H	4.846372	0.850775	-1.198131
H	4.850257	0.822841	1.278266
H	2.779451	0.442173	2.539605
H	-0.951682	-2.595613	-2.407657
H	-1.661995	-4.619306	-1.142477
H	-1.610440	-4.606973	1.333537
H	-0.866624	-2.621914	2.570743
N	0.077390	-0.040507	2.941356
N	0.094864	-0.050242	4.040469

LA-5e_N₂

35

xyz

C	1.175939	-2.316106	-1.296081
C	0.645190	-1.277044	-0.550329
C	0.670544	-1.335243	0.853999
C	1.226806	-2.432345	1.470286
C	1.764291	-3.484734	0.733012
C	1.736363	-3.421748	-0.650479
C	-0.001442	-0.002334	-1.113444
F	0.000908	0.000729	-2.475683
B	-0.005870	-0.008831	1.464311
C	-1.492520	0.071768	0.853867
C	-1.429004	0.072042	-0.550494
C	-2.594104	0.135922	-1.296178
C	-3.831972	0.200120	-0.650522
C	-3.900801	0.200170	0.732962
C	-2.720892	0.135454	1.470199
F	-2.604313	0.139976	-2.628239
F	-4.950442	0.261595	-1.367950
F	-5.080956	0.261447	1.343684
F	-2.813602	0.136894	2.815257
F	1.265646	-2.516545	2.815349
F	2.298642	-4.538817	1.343663
F	2.245870	-4.419269	-1.367977
F	1.183642	-2.323571	-2.628148
C	0.807508	1.241513	0.860746
C	1.476601	2.270269	1.482706
C	2.122759	3.263674	0.750883
C	2.088742	3.211373	-0.632909
C	1.414486	2.174800	-1.284243
C	0.776465	1.193779	-0.543901
F	1.523799	2.342845	2.828178
F	1.423469	2.188664	-2.616260
F	2.701256	4.153140	-1.345209
F	2.765521	4.251987	1.366990
N	-0.008596	-0.013053	3.052839
N	-0.010500	-0.016025	4.150432

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34

xyz

C	-1.764116	2.102126	-1.264798
C	-0.997895	1.188958	-0.557455
C	-0.956506	1.139632	0.842349
C	-1.731894	2.063479	1.511957
C	-2.517940	3.000380	0.832554
C	-2.536389	3.022563	-0.557607
S	0.002710	-0.003444	-1.439259
C	1.546787	0.262890	-0.575848
C	1.500994	0.245300	0.824542
C	2.697014	0.451848	1.480189
C	3.892807	0.667502	0.786780
C	3.903762	0.678862	-0.603594

C	2.711753	0.473297	-1.296880
B	0.017065	-0.020431	1.412246
C	-0.502132	-1.435929	0.824654
C	-0.912632	-2.578208	1.480180
C	-1.332080	-3.718538	0.786635
C	-1.345262	-3.727207	-0.603755
C	-0.936476	-2.588703	-1.296943
C	-0.527499	-1.477867	-0.575766
F	-1.773236	2.112929	-2.589493
F	-3.276165	3.904220	-1.200799
F	-3.243684	3.865127	1.509324
F	-1.753388	2.088776	2.848807
F	2.709073	0.481883	-2.621621
F	5.028998	0.881940	-1.260017
F	5.012941	0.860693	1.450470
F	2.746079	0.451473	2.816560
F	-0.944425	-2.584452	-2.621693
F	-1.739992	-4.800260	-1.260271
F	-1.716157	-4.788425	1.450202
F	-0.920734	-2.626957	2.816532
N	0.025738	-0.030160	3.007836
N	0.031694	-0.036932	4.105216

LA-5g_N₂

35

xyz			
C	0.723230	1.106883	-0.696673
C	0.781363	1.184279	0.723356
C	1.478759	2.254844	1.275569
C	2.104791	3.227425	0.475319
C	2.033164	3.129164	-0.910170
C	1.336679	2.060026	-1.503106
B	-0.033893	-0.078837	1.440253
C	-1.549569	-0.062752	0.909807
C	-1.494166	0.099011	-0.479572
C	-2.635104	0.593477	-1.134725
C	-3.878328	0.553368	-0.480438
C	-3.963435	0.137032	0.849793
C	-2.780306	-0.103361	1.555326
C	-0.085115	-0.136204	-1.120654
Cl	-0.392256	-0.595488	-2.826207
Cl	-2.582577	1.442447	-2.647408
Cl	-5.316098	1.034810	-1.310403
Cl	-5.498715	0.000036	1.626572
Cl	-2.897447	-0.492673	3.250715
Cl	1.627477	2.468369	3.002175
Cl	2.962007	4.543089	1.197363
Cl	2.800246	4.321021	-1.895742
Cl	1.290703	2.004028	-3.232929
C	0.709379	-1.329891	-0.491605
C	1.621204	-2.166558	-1.157965
C	2.096825	-3.321182	-0.513012
C	1.761739	-3.575310	0.818603
C	1.065013	-2.596734	1.534369

C	0.594996	-1.453375	0.898089
Cl	2.363166	-1.764818	-2.674478
Cl	0.770341	-2.870823	3.230731
Cl	2.269036	-5.036685	1.584290
Cl	3.116434	-4.433368	-1.356364
N	0.035520	0.015050	3.025525
N	0.083084	0.079801	4.119681

LA-8a_N₂

6

xyz

B	0.061005	-0.061559	-0.036963
H	-0.104374	0.262414	1.113428
H	1.198826	0.001848	-0.431898
H	-0.777062	0.332883	-0.809423
N	-0.205684	-1.617082	-0.000679
N	-0.390455	-2.703560	0.022847

LA-8f_N₂

15

xyz

C	1.599973	0.012980	0.109954
F	2.213026	0.878106	0.957207
B	-0.019646	-0.007140	0.335292
C	-0.761913	-1.359347	-0.208251
F	-0.400671	-2.452474	0.510650
C	-0.776487	1.386623	-0.063482
F	-1.000605	1.453509	-1.384618
F	2.174337	-1.190350	0.325112
F	1.909211	0.389012	-1.140236
F	-1.977725	1.499777	0.558149
F	-0.071547	2.484919	0.284012
F	-2.108101	-1.287411	-0.127245
F	-0.448094	-1.600872	-1.490147
N	-0.186392	-0.093120	1.943288
N	-0.299221	-0.151567	3.033748

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xyz

N	-1.073179	-0.200946	-0.548328
N	-0.446578	1.135351	-0.890711
N	0.244251	0.271869	0.034518
B	0.123752	-0.145804	-1.388631
N	0.953643	-0.635504	-2.465378
N	0.545850	-1.620084	-3.091588
N	0.175631	-3.761103	-4.622728
H	2.028936	-4.232186	-6.317346
C	1.240500	-2.996353	-4.894131
N	1.497300	-1.960766	-4.119992
H	-0.425373	-3.449475	-3.866109
N	2.024521	-3.289967	-5.955276
H	2.331864	-1.381229	-4.184107
H	2.861256	-2.750581	-6.120672

H -0.216753 -4.360382 -5.332270

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xyz

N	-0.764525	-1.596426	-1.131219
N	-0.019070	-0.296121	-0.840970
N	0.632674	-1.651590	-1.084628
B	-0.000118	-0.839765	-2.194656
N	0.050018	-0.865435	-3.608491
N	0.144026	0.236571	-4.255863
H	1.941957	-3.787253	-8.654840
H	2.044277	2.881193	-9.426810
H	-3.959256	0.199557	-8.685900
C	1.503975	2.829544	-8.486537
C	2.126279	-3.092351	-7.841267
C	-3.415604	-0.346463	-7.920963
H	1.589056	0.682424	-8.389870
H	0.188391	-2.170661	-7.998640
H	-1.736594	0.998102	-7.954110
H	4.103354	-3.837820	-7.438652
H	1.284405	4.962699	-8.310667
H	-4.949048	-1.832811	-7.664758
C	1.077365	3.997890	-7.856921
C	-3.969727	-1.487906	-7.346106
C	3.339442	-3.119186	-7.156765
C	-2.162757	0.102597	-7.510786
C	1.244984	1.592230	-7.904914
C	1.140446	-2.179815	-7.475040
C	3.573122	-2.235491	-6.103731
C	0.394408	3.933728	-6.643441
C	-3.275586	-2.186198	-6.357980
C	1.378540	-1.288597	-6.424697
C	0.553826	1.528189	-6.690585
C	-1.464986	-0.601787	-6.525169
C	-2.022340	-1.749450	-5.943956
C	0.128328	2.700856	-6.055072
C	2.596111	-1.317828	-5.734757
H	-3.712534	-3.069573	-5.903016
H	0.072556	4.845011	-6.149035
H	4.512640	-2.267560	-5.561186
P	0.153179	-0.056816	-5.945142
H	-1.484455	-2.282730	-5.164631
H	-0.387438	2.645321	-5.101323
H	2.772051	-0.641604	-4.903154

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xyz

N	-1.921209	-1.017106	-1.338775
N	-1.686077	0.462216	-1.081533
N	-0.598511	-0.545825	-1.444240
B	-1.603423	-0.044212	-2.448406
N	-1.736803	-0.058949	-3.862575

N	-2.197710	0.974715	-4.454188
H	0.396782	0.046714	-5.071437
H	-3.007839	3.273766	-4.753390
H	-4.060091	-1.086340	-4.430931
H	-0.611731	3.098268	-5.683154
H	-5.085625	1.134348	-5.075145
H	-1.073733	-1.910640	-5.543445
C	-3.336528	3.370650	-5.789813
C	0.429791	0.286536	-6.136275
C	-4.042090	-1.395030	-5.478477
P	-2.352730	0.754780	-6.156384
H	-3.229537	-2.107939	-5.601571
H	-4.392346	3.110656	-5.845086
H	0.645265	1.347891	-6.248713
H	-3.247834	4.422329	-6.086640
H	-4.980192	-1.922592	-5.688736
H	1.269474	-0.264154	-6.576518
C	-1.047309	3.181583	-6.683315
C	-5.173970	0.709652	-6.078966
C	-0.963643	-1.691403	-6.607406
C	-2.449536	2.544197	-6.749845
C	-0.853755	-0.174196	-6.862260
C	-3.972060	-0.185504	-6.435704
H	-6.071337	0.080462	-6.091889
H	-1.153648	4.248968	-6.907269
H	-0.027492	-2.147684	-6.950568
H	-5.336105	1.513628	-6.800201
H	-1.771763	-2.164931	-7.168374
H	-0.351394	2.769638	-7.416407
C	-4.121714	-0.659270	-7.892223
C	-0.706246	0.060215	-8.376900
C	-2.996045	2.670468	-8.181604
H	-4.043443	2.367238	-8.255238
H	-0.450909	1.093370	-8.623554
H	-3.393355	-1.426716	-8.162365
H	-2.946485	3.725780	-8.474449
H	-5.116919	-1.105395	-8.005400
H	0.116660	-0.568396	-8.737172
H	-4.046833	0.157729	-8.615182
H	-2.419370	2.100527	-8.914567
H	-1.600333	-0.220582	-8.940721

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xyz			
N	-1.249052	-0.719034	-2.089644
N	-1.656524	-1.177955	-0.691896
N	-1.933408	-2.023133	-1.873412
B	-0.536746	-1.806564	-1.401304
N	0.634852	-2.691789	-1.406520
N	1.333513	-2.513148	-2.404502
H	2.446861	-7.087946	-5.280317
H	3.137389	-6.083631	-6.579183
H	1.473139	-5.798985	-6.029837

C	2.474832	-6.077185	-5.703270
H	-0.986588	-5.115653	-4.883918
H	3.085988	-3.469171	-6.818496
H	0.343371	-5.679739	-3.855529
C	-0.215999	-4.796147	-4.175429
H	4.253731	-2.145849	-6.633653
C	3.230088	-2.465364	-6.410481
N	2.970039	-5.134495	-4.707412
H	-0.802633	-2.875876	-5.982430
H	4.560095	-6.295287	-3.970482
N	0.668758	-3.829836	-4.846955
H	2.533250	-1.784200	-6.915731
H	5.005591	-5.160653	-5.273040
C	4.384521	-5.293008	-4.377160
C	-0.053788	-2.605528	-5.231667
H	-0.703020	-4.338931	-3.304477
P	2.221351	-3.724914	-4.289748
H	0.629312	-1.877956	-5.670469
N	3.032414	-2.461665	-4.963094
H	4.695394	-4.556259	-3.633464
H	-0.549080	-2.147441	-4.367799
C	3.222240	-1.159206	-4.321362
H	4.155639	-0.732208	-4.702322
H	3.050275	-5.434915	-2.061948
N	2.325597	-3.554295	-2.625172
H	2.392921	-0.476219	-4.538054
C	2.347901	-4.684280	-1.698008
H	1.353902	-5.126051	-1.569819
H	3.301224	-1.276565	-3.242475
H	2.680693	-4.318579	-0.724612

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xyz			
N	1.626728	4.468028	-2.009031
N	2.763568	4.789725	-1.238019
N	2.430067	3.314311	-1.429758
B	2.979964	4.077882	-2.547472
N	3.700567	4.331729	-3.747475
N	4.327868	3.373626	-4.314902
H	6.573426	6.516826	-8.784979
H	8.392296	3.741585	-8.486760
H	5.458718	3.655238	-10.055143
N	6.409459	4.457006	-8.346510
C	6.651078	5.818818	-7.936107
C	7.403913	3.441340	-8.102967
C	5.218050	4.129881	-9.090199
H	7.679569	5.887170	-7.563455
H	7.113837	2.538429	-8.652391
H	4.689656	5.062118	-9.319885
C	5.678705	6.265048	-6.832675
C	7.535648	3.111554	-6.607802
C	4.291383	3.198767	-8.293583
H	5.933997	7.268498	-6.476267

H	8.239835	2.285937	-6.459403
H	3.357400	3.023197	-8.838209
H	7.951145	3.978136	-6.081327
H	4.663999	6.327606	-7.240581
H	4.772724	2.222266	-8.172660
N	5.690680	5.366593	-5.683594
N	6.270889	2.731671	-5.985209
N	3.947511	3.734419	-6.980665
H	2.588904	5.232593	-7.611858
H	7.436549	6.110430	-4.757800
H	6.029973	0.774805	-6.771578
C	6.415624	5.807054	-4.492312
C	2.668117	4.436159	-6.860384
C	6.010696	1.303465	-5.808725
P	5.069130	3.844001	-5.769872
H	1.841370	3.731808	-6.998319
H	5.893643	6.644128	-4.018829
H	6.768497	0.868346	-5.149214
H	6.477364	4.996989	-3.763073
H	2.572206	4.886488	-5.869609
H	5.035974	1.158421	-5.340342

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xyz			
N	-5.823145	0.063378	-0.356230
N	-5.714267	-1.314659	0.234873
N	-5.717470	-1.062445	-1.268071
B	-4.548357	-0.712527	-0.423786
N	-3.140188	-0.379975	-0.522660
N	-2.380861	-0.795896	0.393598
H	2.691113	-2.511118	-3.676419
C	2.938707	-2.096970	-2.703775
H	5.046615	-2.493118	-2.893738
H	-2.227422	3.782285	-2.148968
C	4.262876	-2.084814	-2.262647
H	0.896317	-1.571012	-2.230296
C	1.931587	-1.574691	-1.898977
C	-1.744758	4.120261	-1.225577
H	0.014054	2.907855	-1.797566
H	-1.467779	5.170939	-1.344067
C	-0.531137	3.246371	-0.910891
C	4.581770	-1.549870	-1.016265
H	-3.200785	1.795997	-0.474930
H	-3.701400	4.141432	-0.211374
C	2.260434	-1.055946	-0.648469
C	-2.662144	3.860948	-0.027593
H	2.882074	2.025740	-1.357919
C	-2.523760	2.354874	0.177236
H	-1.740627	-3.280886	-0.039930
N	-1.123826	2.092958	-0.212064
H	5.612234	-1.538023	-0.674321
C	-0.522542	0.909784	-0.084076
C	3.575800	-1.033776	-0.201769

N	0.864205	0.820631	-0.179710
H	-0.332710	-5.238856	0.197972
C	-1.043820	-0.353257	0.249693
H	0.168363	3.779763	-0.257498
C	2.750373	2.351028	-0.330489
C	0.056913	-1.201522	0.431600
N	1.232733	-0.502317	0.198952
C	-1.131434	-3.335290	0.863544
N	0.085257	-2.503892	0.717011
H	1.897515	-3.529021	0.308572
H	-2.305690	4.411671	0.851371
C	-0.562558	-4.725593	1.138986
C	1.715939	1.813463	0.425244
H	4.401289	3.729141	-0.342376
H	-2.696757	2.027281	1.205560
C	3.592131	3.302478	0.242518
C	1.291639	-3.217382	1.167156
H	3.798467	-0.618485	0.776437
H	-1.267028	-5.344195	1.699490
H	-1.738254	-2.966455	1.694470
C	0.726739	-4.428313	1.908864
H	1.430653	-5.264314	1.918640
H	1.902311	-2.563468	1.797599
C	1.512426	2.202761	1.747420
C	3.388576	3.709940	1.559109
H	0.699182	1.764086	2.319692
C	2.349019	3.160155	2.311236
H	0.495231	-4.162100	2.946455
H	4.039558	4.457788	2.002039
H	2.191552	3.477407	3.337680

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xyz			
C	1.222624	-2.103448	-1.639858
C	0.659523	-1.232606	-0.717075
C	0.772491	-1.456796	0.666274
C	1.468233	-2.582015	1.098266
C	2.040202	-3.467183	0.177324
C	1.918383	-3.229713	-1.189001
C	-0.119859	0.026739	-1.086420
H	-0.182973	0.162627	-2.171400
B	0.029571	-0.296616	1.514731
N	0.142213	-0.501543	3.059937
N	-0.453445	0.322795	3.711957
N	-0.295445	0.064680	5.171291
C	-0.932628	0.869258	5.997254
N	-0.753727	0.798145	7.334494
H	1.570422	-2.777471	2.164841
H	2.581546	-4.342966	0.528525
H	2.362371	-3.916617	-1.905278
H	1.124461	-1.912336	-2.707209
C	0.685339	1.097683	0.988062
C	1.301524	2.134521	1.681986

C	1.800223	3.255558	1.007343
C	1.681620	3.346228	-0.375788
C	1.063980	2.313390	-1.088588
C	0.575781	1.204765	-0.411175
H	1.406159	2.081428	2.765576
H	0.967270	2.379232	-2.170898
H	2.068410	4.214823	-0.902781
H	2.284741	4.054650	1.564316
C	-1.496072	-0.265447	0.944179
C	-1.502760	-0.094322	-0.453274
C	-2.692047	-0.038735	-1.166755
C	-3.912335	-0.158715	-0.493975
C	-3.924660	-0.333331	0.886041
C	-2.719444	-0.384949	1.597008
H	-2.675587	0.096611	-2.246803
H	-4.845902	-0.118492	-1.049481
H	-4.871523	-0.434869	1.412131
H	-2.752132	-0.529372	2.677027
N	-1.771164	1.782945	5.490954
H	-1.453704	1.184769	7.950456
H	-1.810167	1.851438	4.477826
H	0.272344	-0.731439	5.451648
H	-0.172864	0.069973	7.722173
H	-2.039768	2.587432	6.036031

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xyz			
C	3.287275	-1.940247	1.794407
C	3.350361	-2.559787	3.037879
C	2.580860	-2.078241	4.096567
C	1.748880	-0.974392	3.919879
C	1.683988	-0.341549	2.683148
C	2.462135	-0.822848	1.619933
P	2.235393	-0.061198	0.018705
C	3.168721	-0.920434	-1.252073
C	2.616816	-2.082210	-1.805436
C	3.323875	-2.781984	-2.777550
C	4.573015	-2.324747	-3.195734
C	5.118976	-1.164954	-2.648214
C	4.417449	-0.457350	-1.676387
N	0.545433	-0.062877	-0.548229
N	-0.274902	-0.408449	0.304685
B	-1.761819	-0.236227	-0.039017
C	-2.723771	-1.140453	0.898432
C	-2.398400	-2.111655	1.841178
C	-3.401586	-2.784466	2.548344
C	-4.741533	-2.486132	2.315310
C	-5.084089	-1.509161	1.374789
C	-4.080718	-0.848263	0.679448
H	-1.352615	-2.348785	2.033972
H	-3.135506	-3.543356	3.281132
H	-5.521470	-3.009259	2.863150
H	-6.130225	-1.269127	1.191921

C	-4.322454	0.243473	-0.359154
C	-3.661740	-0.209809	-1.659181
C	-2.280255	-0.465906	-1.562290
C	-1.608432	-0.878739	-2.710299
C	-2.288203	-1.041891	-3.923064
C	-3.653827	-0.786765	-3.998833
C	-4.344197	-0.366384	-2.857904
H	-5.412606	-0.163596	-2.909833
H	-4.183400	-0.911092	-4.940134
H	-1.746524	-1.364948	-4.809557
H	-0.537138	-1.068403	-2.675262
C	-3.573931	1.486711	0.111545
C	-4.165961	2.723914	0.323802
C	-3.385443	3.806943	0.742887
C	-2.018853	3.639079	0.940238
C	-1.428306	2.388636	0.720531
C	-2.192466	1.302241	0.306846
H	-5.234880	2.852287	0.162783
H	-0.354614	2.281292	0.874421
H	-1.408451	4.478430	1.266643
H	-3.847969	4.776070	0.911995
H	-5.390203	0.444194	-0.498046
C	2.671959	1.680670	0.069234
C	2.053730	2.550886	-0.838418
C	2.362104	3.906703	-0.802251
C	3.282936	4.390894	0.125466
C	3.897890	3.523200	1.027020
C	3.592710	2.165819	1.004486
H	1.137861	-0.611420	4.740058
H	2.894839	-3.678598	-3.213649
H	1.871332	4.585370	-1.492553
H	2.625187	-2.570988	5.063415
H	3.516410	5.451220	0.151971
H	5.119964	-2.870938	-3.958544
H	1.318394	2.176167	-1.544468
H	1.636540	-2.430223	-1.490029
H	1.024266	0.509561	2.545730
H	6.087574	-0.806583	-2.982777
H	3.995612	-3.421395	3.178849
H	4.608266	3.903896	1.754434
H	3.876254	-2.323118	0.965612
H	4.055678	1.491528	1.720071
H	4.834817	0.455381	-1.259470

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xyz			
C	-3.244238	-1.470789	-0.458911
C	-1.856380	-1.457657	-0.225231
C	-1.152122	-2.648977	-0.358869
C	-1.805975	-3.837205	-0.705580
C	-3.179197	-3.835614	-0.926795
C	-3.900667	-2.643304	-0.806537
B	-1.344388	0.047017	0.147328

N	0.146988	0.066899	0.510878
N	0.942246	-0.030438	-0.440195
P	2.635476	0.018862	0.051273
C	2.895029	-0.813297	1.736303
C	4.372026	-1.196860	1.941809
H	-0.074758	-2.668010	-0.198077
H	-1.240796	-4.761688	-0.802300
H	-3.691368	-4.755732	-1.196265
H	-4.973834	-2.634664	-0.988817
C	-3.927386	-0.113488	-0.326531
C	-3.229280	0.832347	-1.301090
C	-1.838301	0.950079	-1.115756
C	-1.133090	1.788132	-1.973587
C	-1.784770	2.502376	-2.985563
C	-3.160204	2.376372	-3.151227
C	-3.885653	1.533303	-2.303559
H	-4.961749	1.427538	-2.429891
H	-3.670340	2.927551	-3.937144
H	-1.215412	3.153534	-3.645499
H	-0.053512	1.884292	-1.870169
C	-3.646856	0.402332	1.081131
C	-4.626527	0.749360	2.001266
C	-4.250831	1.214674	3.265648
C	-2.901540	1.325872	3.589603
C	-1.924172	0.972180	2.652295
C	-2.279837	0.506068	1.389888
H	-5.680336	0.660937	1.742349
H	-0.871411	1.064715	2.917719
H	-2.608363	1.689041	4.572322
H	-5.011968	1.488949	3.991841
H	-5.001561	-0.180977	-0.529511
C	2.007668	-2.073601	1.842385
C	2.454263	0.107503	2.891964
C	3.460791	-0.903275	-1.372602
C	4.974697	-0.645678	-1.448178
C	2.801016	-0.496632	-2.711859
C	3.207222	-2.415825	-1.216384
C	3.058529	1.860817	0.075513
C	4.426519	2.117644	0.732924
C	1.950728	2.634036	0.824442
C	3.088749	2.431796	-1.354815
H	0.946426	-1.817817	1.818159
H	1.714764	-0.603898	-2.681667
H	0.995111	2.590175	0.296242
H	3.194103	-1.167367	-3.484669
H	2.217252	-2.538177	2.813176
H	2.258912	3.685238	0.868314
H	2.204764	-2.822707	1.077137
H	3.041215	0.519976	-3.018913
H	1.783863	2.296805	1.845684
H	2.138814	-2.644370	-1.153702
H	1.405627	0.393368	2.790573
H	2.168461	2.220584	-1.905030
H	2.557127	-0.465387	3.821132

H	3.593575	-2.913466	-2.112829
H	3.177418	3.521061	-1.272570
H	4.657281	3.184955	0.635056
H	5.386157	-1.259314	-2.258204
H	4.480199	-1.589626	2.959730
H	4.703172	-1.982400	1.258687
H	4.434876	1.882959	1.799145
H	5.207881	0.395475	-1.685106
H	3.944957	2.081590	-1.935355
H	3.073008	1.000534	2.997699
H	3.722855	-2.854066	-0.359845
H	5.236775	1.563008	0.250701
H	5.503182	-0.917074	-0.530638
H	5.051522	-0.344927	1.847399

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xyz

C	3.608588	1.213073	0.840424
C	2.216709	1.069072	0.992539
C	1.551286	1.945035	1.843571
C	2.248497	2.937310	2.542882
C	3.625463	3.062471	2.387038
C	4.308115	2.196408	1.526681
B	1.656381	-0.164032	0.085172
N	0.154809	-0.439888	0.227219
N	-0.599912	0.503299	-0.089356
P	-2.278020	0.112152	0.020986
N	-2.580944	-0.967042	1.225440
C	-1.947843	-0.818172	2.536605
H	0.469883	1.875314	1.961824
H	1.713617	3.613358	3.206722
H	4.170057	3.832528	2.927699
H	5.384294	2.294845	1.394586
C	4.250692	0.227383	-0.132432
C	3.538251	0.396094	-1.471982
C	2.143109	0.215484	-1.424274
C	1.415852	0.376293	-2.599131
C	2.055376	0.696166	-3.802697
C	3.436239	0.864043	-3.834918
C	4.180800	0.716658	-2.660091
H	5.260516	0.855198	-2.677594
H	3.936094	1.113505	-4.767567
H	1.472696	0.817646	-4.713605
H	0.331545	0.268374	-2.587538
C	3.936539	-1.177237	0.373086
C	4.892856	-2.135062	0.681740
C	4.485364	-3.393025	1.137869
C	3.128484	-3.672610	1.277785
C	2.174488	-2.697699	0.963120
C	2.562884	-1.440563	0.508141
H	5.952535	-1.910810	0.570242
H	1.114616	-2.924980	1.075476
H	2.811556	-4.651308	1.632383

H	5.227709	-4.149082	1.381838
H	5.329051	0.396199	-0.224901
C	-3.617285	-1.985058	1.089239
C	-5.026494	-1.372263	1.065345
N	-5.127571	-0.344623	0.056629
C	-5.169194	-0.711132	-1.338463
C	-3.963850	-0.125869	-2.089495
N	-2.696161	-0.484869	-1.462391
C	-1.974660	-1.631925	-2.019719
C	-5.410686	1.016409	0.444623
C	-4.195168	1.660093	1.128777
N	-2.979745	1.574826	0.323812
C	-2.586823	2.765569	-0.433993
H	-6.279366	1.078935	1.119236
H	-6.099813	-0.377524	-1.824382
H	-5.768809	-2.171347	0.911979
H	-5.666768	1.585784	-0.455919
H	-5.147741	-1.804358	-1.409187
H	-5.241878	-0.920500	2.040222
H	-4.383819	2.718190	1.336831
H	-3.937899	-0.478498	-3.125687
H	-3.511776	-2.685987	1.923451
H	-4.051768	0.965471	-2.129534
H	-4.021711	1.173050	2.095224
H	-3.450241	-2.561598	0.172621
H	-2.711154	-0.700815	3.316554
H	-3.380180	3.069084	-1.130321
H	-2.616865	-2.521795	-2.048063
H	-1.324668	-1.689976	2.756565
H	-2.383263	3.589362	0.257097
H	-1.637611	-1.400933	-3.035106
H	-1.672111	2.565868	-0.994193
H	-1.302404	0.061919	2.553204
H	-1.094810	-1.860835	-1.413883

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xyz			
C	5.142168	2.751047	2.078559
C	4.078015	1.970563	1.639812
C	4.052576	1.533551	0.317004
C	5.079698	1.850403	-0.563440
C	6.148871	2.624285	-0.116024
C	6.177433	3.077692	1.200946
N	2.959732	0.726581	-0.159937
C	1.638625	1.097929	0.065008
C	0.904734	-0.031337	0.461361
C	1.822422	-1.085847	0.580910
N	3.089405	-0.643909	0.214394
N	1.277676	2.378983	-0.011677
C	1.977604	3.388256	-0.822209
C	0.899382	4.448274	-1.044077
C	0.111978	4.406051	0.269002
C	0.031246	2.910171	0.566885

N	-0.490545	-0.236426	0.592455
N	-1.173571	0.403345	-0.234540
B	-2.686781	0.154308	-0.152068
C	-3.126659	-1.269960	-0.812459
C	-2.349420	-2.268340	-1.393146
C	-2.933955	-3.434877	-1.901416
C	-4.313299	-3.607299	-1.835427
C	-5.111509	-2.606132	-1.271024
C	-4.521638	-1.452682	-0.772109
H	-1.269843	-2.136174	-1.472520
H	-2.311984	-4.203992	-2.355748
H	-4.771995	-4.511264	-2.228695
H	-6.192309	-2.731081	-1.227124
C	-5.294375	-0.291827	-0.152654
C	-4.936866	0.962201	-0.947174
C	-3.558922	1.243784	-0.989736
C	-3.141264	2.354406	-1.719214
C	-4.065453	3.178357	-2.373057
C	-5.425682	2.890405	-2.306487
C	-5.863491	1.770050	-1.591789
H	-6.925386	1.533217	-1.545231
H	-6.146170	3.527890	-2.813314
H	-3.721800	4.041791	-2.939669
H	-2.076997	2.576577	-1.800499
N	1.611218	-2.354624	0.922722
C	0.286205	-2.880453	1.334211
C	0.574483	-4.353115	1.608137
C	2.013126	-4.339262	2.129540
C	2.692626	-3.306247	1.230751
C	3.873088	-1.400448	-0.733425
C	3.293950	-1.849985	-1.918251
C	4.068723	-2.568731	-2.822589
C	5.413458	-2.819857	-2.546001
C	5.985420	-2.352517	-1.364512
C	5.211797	-1.640385	-0.450110
C	-4.756783	-0.093561	1.260462
C	-5.548528	-0.126990	2.401009
C	-4.965740	0.078366	3.655164
C	-3.596779	0.313088	3.746922
C	-2.808577	0.339439	2.590337
C	-3.370496	0.138947	1.331255
H	-6.618965	-0.309634	2.319167
H	-1.736732	0.507276	2.682233
H	-3.138415	0.473647	4.720927
H	-5.580177	0.054964	4.552023
H	-6.373950	-0.478914	-0.153110
H	3.623636	-2.930881	-3.744301
H	6.015340	-3.381155	-3.254470
H	0.252843	4.159248	-1.879848
H	2.246711	-1.641520	-2.122409
H	2.349839	2.934258	-1.745511
H	1.330356	5.428932	-1.261612
H	-0.827308	2.445579	0.072870
H	-0.884504	4.845328	0.184843

H	5.029425	1.494556	-1.587972
H	-0.459590	-2.715270	0.557506
H	7.032134	-2.546102	-1.150390
H	0.509626	-4.931088	0.678952
H	2.828979	3.808035	-0.273449
H	3.068282	-3.766951	0.310108
H	0.658626	4.936547	1.057913
H	6.954379	2.877718	-0.798539
H	-0.017996	2.669816	1.633109
H	5.632909	-1.272996	0.480863
H	-0.139306	-4.775422	2.318783
H	-0.054597	-2.352451	2.230481
H	2.507305	-5.312560	2.074030
H	3.524074	-2.786528	1.716978
H	3.264373	1.706334	2.310245
H	2.034265	-4.003513	3.172705
H	7.006663	3.687871	1.546345
H	5.165607	3.104238	3.105088

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xyz			
C	3.885937	1.407649	0.226846
C	2.624149	1.572656	0.845108
C	2.373103	2.785145	1.491388
C	3.323990	3.808460	1.537775
C	4.560406	3.626386	0.925301
C	4.838008	2.425629	0.270524
Al	1.632132	-0.106327	0.512980
N	-0.259341	-0.333841	0.996018
N	-0.929881	0.404715	0.256806
P	-2.666503	0.115722	0.240322
N	-3.239422	-0.426274	1.686721
C	-2.849476	0.237374	2.929679
H	1.411000	2.947857	1.978007
H	3.101249	4.741891	2.050521
H	5.309553	4.414013	0.955337
H	5.805930	2.285554	-0.208742
C	4.210977	0.094150	-0.507966
C	3.259621	-0.116518	-1.697603
C	1.875477	-0.244870	-1.449171
C	1.031510	-0.405477	-2.549588
C	1.523770	-0.454112	-3.857430
C	2.893041	-0.335045	-4.079975
C	3.759110	-0.162295	-2.998431
H	4.828868	-0.060925	-3.176078
H	3.289290	-0.371229	-5.091991
H	0.844437	-0.580839	-4.698495
H	-0.046592	-0.484426	-2.392262
C	4.174613	-1.107638	0.451568
C	5.328646	-1.863442	0.655205
C	5.311559	-2.958719	1.519743
C	4.134787	-3.296929	2.181774
C	2.981310	-2.535463	1.974047

C	2.968810	-1.433347	1.115110
H	6.250288	-1.599813	0.138145
H	2.070735	-2.815723	2.503681
H	4.115093	-4.149134	2.857860
H	6.215831	-3.542729	1.673964
H	5.229877	0.176616	-0.902448
C	-4.326686	-1.398977	1.751924
C	-5.652121	-0.818856	1.232641
N	-5.486440	-0.257372	-0.087031
C	-5.333608	-1.133891	-1.224254
C	-3.975826	-0.900338	-1.903982
N	-2.870140	-1.002833	-0.957191
C	-2.141612	-2.274040	-0.910833
C	-5.731010	1.149019	-0.302424
C	-4.603468	1.997605	0.304252
N	-3.280048	1.594279	-0.163970
C	-2.689090	2.375117	-1.256304
H	-6.695574	1.469948	0.121693
H	-6.141899	-0.999429	-1.960040
H	-6.425186	-1.602964	1.252037
H	-5.783004	1.329087	-1.381897
H	-5.391723	-2.170019	-0.872672
H	-5.989123	-0.023060	1.906423
H	-4.736700	3.055777	0.057542
H	-3.803415	-1.628839	-2.702541
H	-4.424722	-1.725573	2.792183
H	-3.963762	0.089720	-2.372812
H	-4.637710	1.920954	1.397052
H	-4.057803	-2.285505	1.167074
H	-3.717653	0.711764	3.405850
H	-3.360570	2.401987	-2.124814
H	-2.840037	-3.112828	-0.797175
H	-2.405346	-0.486946	3.618735
H	-2.503233	3.398555	-0.916673
H	-1.559771	-2.407625	-1.828228
H	-1.733516	1.941797	-1.555768
H	-2.104042	1.009676	2.729861
H	-1.449594	-2.287281	-0.065899

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xyz			
C	6.113979	1.660093	2.029455
C	4.833490	1.308365	1.615949
C	4.631899	0.887539	0.303103
C	5.690761	0.797560	-0.592227
C	6.973545	1.141359	-0.169936
C	7.183783	1.576556	1.136768
N	3.313689	0.521499	-0.146544
C	2.222578	1.349402	0.083492
C	1.142794	0.580150	0.544556
C	1.617198	-0.747435	0.662781
N	2.945603	-0.799747	0.249287
N	2.341053	2.667957	-0.060909

C	3.355564	3.324683	-0.898936
C	2.727716	4.689286	-1.177727
C	1.980960	4.986822	0.126461
C	1.377295	3.631209	0.495999
N	-0.251964	0.810104	0.640474
N	-0.770780	1.682987	-0.094248
Al	-2.608989	1.041545	-0.070628
C	-2.624275	-0.602624	-1.206404
C	-1.660076	-1.261457	-1.973734
C	-1.920502	-2.480419	-2.607681
C	-3.180466	-3.061165	-2.483056
C	-4.166863	-2.421391	-1.728779
C	-3.893531	-1.208255	-1.097378
H	-0.670174	-0.812410	-2.082785
H	-1.150685	-2.970997	-3.201688
H	-3.399780	-4.007006	-2.973075
H	-5.151321	-2.877541	-1.632400
C	-4.956447	-0.521396	-0.227204
C	-5.274095	0.897306	-0.730707
C	-4.263568	1.889185	-0.757438
C	-4.618484	3.156630	-1.228222
C	-5.914396	3.452577	-1.658960
C	-6.893256	2.464048	-1.623682
C	-6.569375	1.188857	-1.159513
H	-7.336897	0.416352	-1.132781
H	-7.906077	2.680580	-1.955211
H	-6.158093	4.449696	-2.019750
H	-3.867318	3.945480	-1.265035
N	0.979783	-1.848052	1.032539
C	-0.454158	-1.901010	1.424456
C	-0.686291	-3.381433	1.699262
C	0.671936	-3.866339	2.209788
C	1.655673	-3.130889	1.300923
C	3.353203	-1.790907	-0.720016
C	2.568755	-2.030653	-1.846322
C	2.981110	-2.984608	-2.770455
C	4.176021	-3.677968	-2.573641
C	4.958395	-3.420888	-1.449561
C	4.544437	-2.475381	-0.513332
C	-4.493047	-0.515285	1.238328
C	-5.194427	-1.250667	2.194254
C	-4.760561	-1.278040	3.520598
C	-3.621340	-0.565532	3.887779
C	-2.924676	0.167467	2.922496
C	-3.333827	0.212186	1.586932
H	-6.085233	-1.808043	1.907126
H	-2.030987	0.714814	3.225030
H	-3.280509	-0.577362	4.921503
H	-5.313646	-1.850376	4.261833
H	-5.878460	-1.111107	-0.287682
H	2.368030	-3.186961	-3.643314
H	4.494703	-4.422561	-3.296982
H	2.020333	4.615111	-2.010735
H	1.636899	-1.488900	-1.986119

H	3.540938	2.729471	-1.797834
H	3.480275	5.441459	-1.427709
H	0.397424	3.460845	0.034682
H	1.209769	5.752008	0.012421
H	5.500413	0.465126	-1.608135
H	-1.086559	-1.511381	0.629836
H	5.886976	-3.962041	-1.294941
H	-0.956020	-3.895824	0.769717
H	4.300604	3.434077	-0.353864
H	1.811324	-3.679690	0.365491
H	2.685024	5.324099	0.896493
H	7.805884	1.074817	-0.863969
H	1.280612	3.473998	1.575036
H	5.130604	-2.268469	0.376967
H	-1.499482	-3.523864	2.414328
H	-0.612767	-1.284086	2.312871
H	0.801933	-4.950055	2.150061
H	2.631949	-2.950519	1.761390
H	3.990177	1.363669	2.299500
H	0.819201	-3.559596	3.251951
H	8.182523	1.851646	1.462471
H	6.279004	1.996996	3.048440

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xyz			
C	-1.574523	2.099460	-1.845979
C	-0.885993	1.365516	-0.888593
C	-0.928812	1.603361	0.487695
C	-1.744402	2.663174	0.889297
C	-2.456825	3.423973	-0.040054
C	-2.374396	3.150674	-1.403689
S	0.144378	-0.015375	-1.405457
C	1.651570	0.403616	-0.517482
C	1.491506	0.685888	0.841662
C	2.664778	0.991808	1.534134
C	3.903696	1.012927	0.890162
C	4.009129	0.730905	-0.470107
C	2.862923	0.417390	-1.197013
B	-0.037683	0.589589	1.407465
C	-0.553214	-0.910215	1.045193
C	-1.048050	-1.877692	1.921332
C	-1.454400	-3.129398	1.455581
C	-1.378365	-3.451388	0.100983
C	-0.890060	-2.512792	-0.805249
C	-0.497102	-1.280491	-0.298244
H	-1.497487	1.863714	-2.903460
H	-2.931179	3.746220	-2.119788
H	-3.088343	4.237921	0.304740
H	-1.838540	2.902033	1.945383
H	2.919800	0.189297	-2.257445
H	4.975442	0.749092	-0.963454
H	4.799337	1.247984	1.458303
H	2.622552	1.211008	2.597805

H	-0.821558	-2.740896	-1.864960
H	-1.696832	-4.427292	-0.250878
H	-1.835947	-3.865037	2.157912
H	-1.116325	-1.648935	2.981230
N	-0.161162	0.852094	2.932770
N	0.201539	1.954325	3.305968
N	0.276219	3.424985	6.610026
H	0.963632	4.051435	3.519065
C	0.403172	3.251895	5.289064
N	0.048048	2.097158	4.726506
H	-0.086445	2.693908	7.203764
N	0.883421	4.222817	4.514453
H	1.167755	5.115899	4.886721
H	-0.327692	1.301268	5.237940
H	0.538319	4.291135	7.057180

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xyz			
C	2.546434	2.142990	-1.623753
C	3.057681	3.373185	-2.022240
C	4.023688	4.013981	-1.246652
C	4.483293	3.429877	-0.067425
C	3.977709	2.200550	0.344209
C	3.008043	1.558776	-0.435098
P	2.342718	-0.029606	0.057277
C	3.023031	-1.365074	-0.926178
C	4.152584	-1.171294	-1.726419
C	4.651576	-2.233979	-2.475245
C	4.024760	-3.477091	-2.426373
C	2.895163	-3.668746	-1.629360
C	2.389929	-2.615148	-0.877419
N	0.633925	0.069483	-0.435060
N	-0.178349	-0.205595	0.451391
B	-1.669423	-0.079418	0.070448
C	-2.597749	-0.613665	1.294435
C	-2.170404	-1.153886	2.509435
C	-3.091791	-1.572687	3.470764
C	-4.464445	-1.462145	3.247918
C	-4.928990	-0.925089	2.049363
C	-3.977450	-0.522467	1.120480
H	-1.104553	-1.243924	2.703223
H	-2.736513	-1.991610	4.408157
H	-5.171902	-1.791075	4.002326
H	-5.993119	-0.827311	1.854707
S	-4.488597	0.187591	-0.451674
C	-3.498484	-0.826254	-1.562217
C	-2.136771	-0.901541	-1.258375
C	-1.366853	-1.676862	-2.127806
C	-1.943958	-2.331562	-3.217341
C	-3.309334	-2.227967	-3.476348
C	-4.111209	-1.457938	-2.637247
H	-0.296107	-1.764645	-1.967003
H	-1.318492	-2.927587	-3.876023

H	-3.749370	-2.738788	-4.326679
H	-5.177060	-1.357587	-2.820977
C	-3.470814	1.672706	-0.441019
C	-4.057353	2.907499	-0.687427
C	-3.231098	4.029290	-0.679443
C	-1.867652	3.877779	-0.435239
C	-1.316630	2.617369	-0.196312
C	-2.111580	1.470010	-0.189808
H	-5.122230	3.000228	-0.880551
H	-0.246618	2.536547	-0.021792
H	-1.224113	4.753076	-0.431396
H	-3.651616	5.012324	-0.864837
C	2.554947	-0.322723	1.808305
C	3.292738	-1.412411	2.284233
C	3.398455	-1.622606	3.655911
C	2.764385	-0.757201	4.545103
C	2.023283	0.325520	4.070930
C	1.914644	0.546696	2.703666
H	5.234514	3.931642	0.534058
H	5.528230	-2.088810	-3.098288
H	3.976981	-2.461656	4.028901
H	4.419977	4.974029	-1.563053
H	2.847960	-0.926267	5.614388
H	4.416112	-4.302092	-3.013655
H	3.786783	-2.089241	1.593363
H	4.637134	-0.199959	-1.770185
H	4.331158	1.749518	1.267231
H	2.408046	-4.638097	-1.595467
H	2.700903	3.831796	-2.938989
H	1.527370	0.995209	4.766209
H	1.789569	1.646146	-2.223529
H	1.333711	1.388628	2.337693
H	1.509433	-2.765350	-0.256825

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xyz			
C	3.099624	-0.729020	1.523164
C	1.730410	-0.788332	1.247624
C	0.962842	-1.480155	2.185660
C	1.542411	-2.073015	3.308657
C	2.914118	-1.987155	3.535866
C	3.717119	-1.299433	2.629171
B	1.257890	-0.057472	-0.135940
N	-0.240843	-0.150875	-0.499787
N	-1.038721	0.108642	0.414056
P	-2.749962	-0.023730	-0.046057
C	-3.162410	-1.855030	0.187301
C	-2.068372	-2.724295	-0.468976
H	-0.111435	-1.548410	2.048086
H	0.915152	-2.606187	4.017595
H	3.358208	-2.448144	4.412066
H	4.788721	-1.215007	2.785324
S	4.098377	0.168584	0.324586

C	3.121936	1.674916	0.216870
C	1.753229	1.492665	0.002824
C	0.991300	2.660212	-0.048356
C	1.578460	3.918590	0.095845
C	2.949867	4.048415	0.302465
C	3.745310	2.906626	0.370333
H	-0.081967	2.594673	-0.200895
H	0.958087	4.809113	0.047167
H	3.399994	5.029382	0.414207
H	4.815643	2.981841	0.539239
C	3.541806	-0.648714	-1.176705
C	4.469049	-1.157016	-2.077694
C	3.975641	-1.787818	-3.217566
C	2.598198	-1.886502	-3.409994
C	1.703445	-1.359602	-2.477120
C	2.156988	-0.717945	-1.323046
H	5.537830	-1.069567	-1.905008
H	0.634492	-1.449049	-2.648456
H	2.217824	-2.381432	-4.299132
H	4.663998	-2.199681	-3.948406
C	-4.539807	-2.188106	-0.417137
C	-3.184322	-2.232050	1.680543
C	-3.020443	0.572407	-1.827444
C	-2.135639	1.805249	-2.114324
C	-4.501396	0.929774	-2.057835
C	-2.603520	-0.497168	-2.856245
C	-3.553531	1.087473	1.250346
C	-2.886488	0.863644	2.627867
C	-5.066950	0.837511	1.370083
C	-3.307270	2.565965	0.889893
H	-5.342291	-1.568203	-0.008473
H	-5.180303	0.101912	-1.836847
H	-5.603395	0.976491	0.428583
H	-4.625710	1.176881	-3.118129
H	-4.775198	-3.229084	-0.168931
H	-5.474473	1.558636	2.087327
H	-4.558508	-2.106187	-1.505182
H	-4.820629	1.804159	-1.487184
H	-5.296187	-0.158727	1.755527
H	-3.227024	-1.392072	-2.832609
H	-4.034072	-1.804364	2.215824
H	-3.828416	2.885124	-0.014041
H	-3.280665	-3.321548	1.742365
H	-2.720984	-0.053135	-3.851170
H	-3.692357	3.177232	1.712973
H	-3.300831	1.612122	3.312347
H	-2.378142	2.151909	-3.125170
H	-2.382942	-3.769799	-0.376317
H	-1.913264	-2.522147	-1.527131
H	-3.100353	-0.112688	3.059127
H	-2.305640	2.643017	-1.439540
H	-2.240448	2.791224	0.794166
H	-2.261247	-1.957482	2.196907
H	-1.555026	-0.775457	-2.738770

H	-1.804139	1.000447	2.588083
H	-1.074504	1.547607	-2.101171
H	-1.106540	-2.624367	0.040519

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xyz

C	5.021230	-0.888198	1.703021
C	3.897388	-0.508777	0.979095
C	2.590110	-0.514403	1.463501
C	2.434422	-0.938066	2.784931
C	3.534870	-1.329431	3.549115
C	4.824036	-1.307579	3.016634
S	4.070201	0.051146	-0.722521
C	2.821853	-0.992617	-1.492056
C	1.565573	-0.980573	-0.880177
C	0.610483	-1.811245	-1.471919
C	0.908113	-2.585032	-2.594667
C	2.176691	-2.553901	-3.170640
C	3.161233	-1.743332	-2.611059
B	1.420243	-0.025625	0.441745
C	1.866091	1.468926	-0.045556
C	1.137646	2.656956	0.049017
C	1.660014	3.866347	-0.413011
C	2.928961	3.926215	-0.986837
C	3.689671	2.764215	-1.095851
C	3.132978	1.583462	-0.620394
H	6.016042	-0.859873	1.267796
H	5.673175	-1.613015	3.619530
H	3.387616	-1.654896	4.575145
H	1.438326	-0.955471	3.218916
H	4.160041	-1.704950	-3.036330
H	2.402068	-3.157271	-4.044007
H	0.141868	-3.223982	-3.026230
H	-0.387701	-1.854074	-1.048610
H	4.682961	2.786441	-1.534961
H	3.328555	4.870264	-1.342848
H	1.073002	4.775989	-0.319884
H	0.148099	2.643008	0.498557
N	0.049589	-0.004183	1.153554
N	-0.913403	0.116678	0.407809
H	-5.589638	-2.736999	0.216873
H	-4.947141	-2.581178	-1.435059
H	-5.791931	-1.212778	-0.675837
C	-5.115367	-2.048663	-0.491008
H	-6.601544	0.134093	1.638048
H	-3.328491	-1.148830	-2.400830
H	-5.138967	-0.704856	2.186999
C	-5.539749	0.261872	1.876341
H	-1.728320	-0.379619	-2.568805
C	-2.806769	-0.195040	-2.488981
N	-3.848300	-1.571625	0.065369
H	-6.385924	2.082182	0.256592
H	-3.289376	-3.417270	0.872935

N	-4.835026	0.761084	0.694323
H	-3.156577	0.300547	-3.399612
H	-2.525690	-3.045309	-0.691559
C	-2.848343	-2.619517	0.266899
C	-5.292241	2.069755	0.228266
H	-5.452736	0.967766	2.710936
P	-3.478514	0.028217	0.120939
H	-4.982839	2.239432	-0.803036
N	-3.094454	0.669204	-1.342323
H	-1.974229	-2.231722	0.791031
H	-4.916947	2.880450	0.864800
C	-2.425632	1.972438	-1.430088
H	-1.348031	1.835793	-1.573955
H	-1.956855	-0.804666	2.930634
N	-2.159573	0.258408	1.106539
H	-2.843322	2.532048	-2.273552
C	-2.171154	0.204888	2.561776
H	-3.142965	0.537380	2.927259
H	-2.577043	2.552891	-0.517595
H	-1.396697	0.875823	2.939195

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xyz			
C	4.010562	-0.364289	2.891090
C	3.395285	-0.204970	1.655631
C	2.023236	-0.029152	1.460630
C	1.245168	-0.026436	2.619931
C	1.823902	-0.178115	3.881136
C	3.200186	-0.344719	4.023804
S	4.394762	-0.239629	0.158490
C	3.442787	-1.438707	-0.788593
C	2.068196	-1.198951	-0.856448
C	1.326546	-2.142677	-1.569325
C	1.941159	-3.238407	-2.177828
C	3.318494	-3.430325	-2.086241
C	4.093162	-2.517894	-1.373881
B	1.545112	0.145411	-0.090958
C	2.418612	1.379727	-0.696492
C	1.933642	2.546172	-1.292461
C	2.805558	3.526373	-1.769206
C	4.187929	3.370621	-1.665115
C	4.710557	2.221335	-1.076538
C	3.805644	1.272840	-0.615977
H	5.084919	-0.500327	2.975684
H	3.641906	-0.463472	5.007877
H	1.192860	-0.170553	4.765621
H	0.166862	0.081021	2.541619
H	5.167352	-2.650015	-1.281390
H	3.788510	-4.285432	-2.561072
H	1.337707	-3.954599	-2.728632
H	0.247487	-2.034661	-1.641469
H	5.783275	2.077924	-0.983967
H	4.857411	4.138541	-2.039156

H	2.404291	4.425501	-2.228665
H	0.859279	2.684641	-1.381861
N	0.041322	0.428325	-0.269170
N	-0.724947	-0.446555	0.169239
H	-6.213076	0.511883	1.715116
H	-5.903884	1.978173	-1.114607
H	-6.347399	-1.196217	-0.985843
N	-5.115762	0.289234	-0.092666
C	-5.263039	0.810773	1.249344
C	-5.116143	1.216541	-1.204281
C	-5.462792	-1.094116	-0.340817
H	-5.257946	1.904919	1.202974
H	-5.311611	0.658590	-2.126117
H	-5.704740	-1.571888	0.614381
C	-4.080257	0.325798	2.098355
C	-3.738388	1.887554	-1.294790
C	-4.260852	-1.801418	-0.979649
H	-4.073663	0.798377	3.084836
H	-3.646909	2.488922	-2.203847
H	-4.434656	-2.877483	-1.068968
H	-3.599709	2.570117	-0.449496
H	-4.159177	-0.754067	2.263821
H	-4.103482	-1.418992	-1.994359
N	-2.803267	0.620125	1.447590
N	-2.666157	0.892975	-1.301122
N	-3.037902	-1.607541	-0.198632
H	-3.466054	-2.932691	1.404841
H	-2.791055	2.719488	1.769237
H	-2.837340	0.363631	-3.340592
C	-2.124303	1.852908	1.859067
C	-2.653823	-2.698844	0.704839
C	-2.060105	0.577864	-2.596760
P	-2.428659	-0.086421	-0.000442
H	-2.422597	-3.592179	0.117441
H	-1.799070	1.764107	2.900197
H	-1.448231	1.417311	-2.939021
H	-1.244890	2.032350	1.236708
H	-1.762194	-2.423979	1.268984
H	-1.414603	-0.298480	-2.517923

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xyz			
C	4.770773	-2.438218	-2.077443
C	4.288005	-1.424395	-1.258654
C	2.942638	-1.080740	-1.115618
C	2.046562	-1.824780	-1.887742
C	2.488298	-2.850591	-2.724621
C	3.843325	-3.165577	-2.819680
S	5.443895	-0.430173	-0.300016
C	4.870326	1.208216	-0.778894
C	3.495223	1.404554	-0.657157
C	3.028008	2.660530	-1.052602
C	3.903065	3.642128	-1.520523

C	5.273301	3.397678	-1.613085
C	5.777784	2.153774	-1.240576
B	2.610878	0.152877	-0.094449
C	3.292721	-0.261163	1.334329
C	2.682750	-0.351583	2.588607
C	3.410487	-0.700338	3.727048
C	4.775063	-0.977471	3.650778
C	5.421343	-0.903536	2.419858
C	4.658700	-0.547636	1.313443
H	5.832805	-2.657233	-2.142466
H	4.179179	-3.964684	-3.472742
H	1.768095	-3.408661	-3.317332
H	0.985278	-1.593472	-1.842572
H	6.839716	1.936452	-1.312245
H	5.946138	4.166858	-1.978586
H	3.513307	4.610563	-1.822309
H	1.961211	2.864436	-1.006431
H	6.483145	-1.115717	2.332092
H	5.333177	-1.249789	4.540844
H	2.906883	-0.759868	4.688149
H	1.617384	-0.159318	2.677186
N	1.118651	0.512201	-0.034617
N	0.402857	-0.378343	0.471926
H	-3.272687	3.131295	-3.755889
C	-3.765620	2.829229	-2.837037
H	-5.605815	3.844237	-3.302511
H	-1.055984	-4.464768	-1.709216
C	-5.077673	3.228520	-2.580983
H	-2.064752	1.715907	-2.104506
C	-3.085805	2.038276	-1.915885
C	-1.690865	-4.597757	-0.825721
H	-2.273705	-5.512216	-0.957410
H	-2.925039	-2.921844	-1.564892
C	-5.712064	2.840499	-1.402235
C	-2.586517	-3.376078	-0.629076
H	0.378735	-2.820596	0.081126
H	0.069639	-5.199163	0.353879
C	-0.837340	-4.597444	0.445079
C	-3.726566	1.668054	-0.735557
H	-5.140521	-1.040904	-1.725075
C	-0.512068	-3.117573	0.639901
H	0.742808	2.365535	0.932037
N	-1.709866	-2.439578	0.098415
H	-6.733293	3.150594	-1.204178
C	-1.906010	-1.124175	0.174143
C	-5.033792	2.058342	-0.470440
N	-3.127722	-0.554767	-0.094224
C	-0.981209	-0.108134	0.490808
H	0.118202	4.695414	1.126474
H	-3.467276	-3.628482	-0.028924
C	-5.348862	-1.343878	-0.703504
C	-1.720954	1.093329	0.574804
N	-3.043909	0.831646	0.227055
C	-0.069546	2.600804	1.619939

N	-1.369261	2.306832	0.988743
H	-2.550834	3.933915	0.323590
H	-1.418044	-4.981215	1.291691
C	-4.380796	-1.158398	0.275884
C	-0.173365	4.077718	1.983453
H	-7.330740	-2.070556	-1.111685
H	-0.358604	-2.829721	1.682659
C	-2.347808	3.383453	1.248176
C	-6.568386	-1.919600	-0.353907
H	-5.506874	1.751119	0.457396
H	0.477590	4.335293	2.821746
H	0.043194	1.967748	2.510669
C	-1.659733	4.259566	2.294697
H	-3.287708	2.952912	1.603883
H	-1.991905	5.298479	2.234995
C	-4.611684	-1.523534	1.600303
C	-6.805045	-2.303516	0.964532
H	-3.841600	-1.358085	2.349225
C	-5.828206	-2.105399	1.941633
H	-1.883761	3.888711	3.301149
H	-7.753766	-2.757371	1.233974
H	-6.016296	-2.402276	2.968765

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xyz			
C	1.430380	2.259851	1.502719
C	0.768499	1.221069	0.879576
C	0.661865	1.257146	-0.520991
C	1.200740	2.303477	-1.252144
C	1.864139	3.339463	-0.594339
C	1.979919	3.318776	0.784184
B	0.054175	-0.102318	1.527892
C	-1.489111	-0.071635	0.943158
C	-1.487124	0.039036	-0.467029
C	-2.668656	0.083411	-1.189526
C	-3.896203	0.005160	-0.531171
C	-3.922384	-0.135379	0.841579
C	-2.724038	-0.181951	1.550781
C	-0.089984	0.062592	-1.105567
C	0.633249	-1.213641	-0.662326
C	0.728591	-1.352601	0.733309
C	1.331562	-2.486884	1.235815
C	1.856397	-3.468282	0.397493
C	1.766697	-3.311618	-0.974774
C	1.148567	-2.180817	-1.509740
F	1.088441	-2.098218	-2.842623
F	2.266659	-4.247259	-1.785914
F	2.439415	-4.557897	0.905315
F	1.428978	-2.705916	2.562613
F	-2.713887	0.197134	-2.519347
F	-5.035972	0.051947	-1.223146
F	-5.091578	-0.230501	1.484081
F	-2.872084	-0.376046	2.891258

F	1.123344	2.385333	-2.583451
F	2.386611	4.350523	-1.291795
F	2.614496	4.311643	1.414556
F	1.579978	2.307652	2.845973
F	-0.167174	0.141401	-2.468584
N	0.345047	-0.139297	3.040145
N	-0.493372	0.363675	3.759715
N	-2.254977	0.764063	5.683518
H	-1.324393	0.730275	8.076641
C	-0.982229	0.629311	6.054881
N	-0.066588	0.351811	5.136430
H	-2.487143	0.618498	4.703300
N	-0.631536	0.775695	7.345072
H	0.868261	0.002380	5.336769
H	0.338137	0.747456	7.621141
H	-2.928485	1.213980	6.283685

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xyz			
C	3.212751	-2.697848	-0.914586
C	2.642922	-1.489656	-0.546414
C	1.268388	-1.391365	-0.262773
C	0.517753	-2.547177	-0.336190
C	1.072467	-3.770240	-0.704211
C	2.421549	-3.843912	-0.997983
C	3.399776	-0.170097	-0.390108
F	4.732243	-0.325875	-0.655932
B	0.829165	0.139869	0.132348
C	1.385168	1.077865	-1.090393
C	2.755369	0.851700	-1.333928
C	3.433873	1.553195	-2.317642
C	2.764427	2.515423	-3.073606
C	1.431096	2.778967	-2.822200
C	0.764438	2.065916	-1.828056
F	4.728574	1.367523	-2.593222
F	3.412392	3.192705	-4.024473
F	0.792997	3.720197	-3.525301
F	-0.519436	2.424543	-1.609756
F	-0.805316	-2.566506	-0.041284
F	0.312523	-4.868129	-0.770664
F	2.964694	-5.010594	-1.352560
F	4.509627	-2.840956	-1.200863
C	1.816978	0.513432	1.372926
C	1.509903	0.980637	2.634072
C	2.502201	1.249932	3.574878
C	3.830570	1.052064	3.241425
C	4.169898	0.590498	1.968826
C	3.172323	0.326541	1.044686
F	0.237112	1.209382	3.014168
F	5.472108	0.427411	1.713121
F	4.787642	1.307540	4.137751
F	2.182643	1.699078	4.792782
N	-0.665810	0.173229	0.506664

N	-1.469662	0.188478	-0.422956
H	-2.165912	-2.015654	4.395181
H	-3.485528	4.911185	-0.518477
H	-3.464335	-2.851142	-3.828081
C	-3.788785	-2.695333	-2.804069
C	-2.720504	-1.230648	3.891160
C	-3.961965	3.954463	-0.706971
H	-3.520437	-0.406809	5.709650
H	-4.949732	-4.505121	-2.727708
H	-5.630320	4.809210	-1.762253
H	-2.697770	-0.852874	-2.585819
H	-2.414203	2.832157	0.275726
H	-2.053067	-1.821646	1.935276
C	-4.622595	-3.624537	-2.182943
C	-5.165563	3.893702	-1.408517
C	-3.479647	-0.322947	4.627705
C	-3.359029	2.785210	-0.258199
C	-2.655395	-1.122996	2.507186
C	-3.359789	-1.570255	-2.109756
C	-4.179021	0.697336	3.985551
C	-5.032411	-3.433014	-0.865066
C	-5.770602	2.665098	-1.666881
C	-3.770652	-1.381548	-0.783511
C	-3.968514	1.551542	-0.517448
C	-3.363217	-0.099254	1.861373
C	-5.173084	1.488572	-1.224364
C	-4.607171	-2.311531	-0.159199
C	-4.118600	0.817445	2.601175
H	-6.704406	2.621107	-2.218658
H	-4.766808	1.404377	4.562525
H	-5.677707	-4.160196	-0.382211
P	-3.172055	0.063643	0.091192
H	-4.655683	1.618904	2.102295
H	-4.915804	-2.168351	0.872442
H	-5.637041	0.528953	-1.435074

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xyz			
C	3.639650	1.377856	-1.872268
C	2.733917	0.730817	-1.047270
C	1.348010	0.907956	-1.208586
C	0.925839	1.778276	-2.191296
C	1.819711	2.437856	-3.031584
C	3.178322	2.231188	-2.875151
C	3.103343	-0.187150	0.120058
F	4.459565	-0.306278	0.246891
B	0.470749	0.056343	-0.120708
C	1.071028	0.587428	1.320576
C	2.472608	0.411201	1.385607
C	3.196638	0.794334	2.503189
C	2.548001	1.381339	3.589722
C	1.185099	1.593065	3.534186
C	0.473388	1.203435	2.400954

F	4.519362	0.638573	2.612275
F	3.241721	1.749206	4.668646
F	0.555655	2.175584	4.559598
F	-0.845100	1.498163	2.423586
F	-0.383708	2.059838	-2.377602
F	1.375731	3.269747	-3.978489
F	4.045133	2.856492	-3.674852
F	4.963954	1.236229	-1.764331
C	1.046703	-1.478410	-0.246156
C	0.374876	-2.670273	-0.419164
C	1.030253	-3.896857	-0.485280
C	2.406948	-3.937759	-0.369058
C	3.119151	-2.753269	-0.180342
C	2.446204	-1.543393	-0.118183
F	-0.973529	-2.718278	-0.528421
F	4.445293	-2.862023	-0.065587
F	3.048964	-5.105531	-0.431406
F	0.337550	-5.026950	-0.656860
N	-1.032474	0.080052	-0.484615
N	-1.861389	-0.016484	0.424320
H	-1.989421	-1.214632	-2.317442
H	-2.539121	-1.565076	2.290774
H	-1.995974	2.605631	0.460555
C	-2.960456	2.780901	-0.019508
C	-3.594426	-1.315912	2.415874
C	-3.054568	-1.429870	-2.406190
H	-4.064549	-2.098262	3.023294
H	-3.291210	-1.558228	-3.469184
H	-3.285776	3.792736	0.248594
H	-3.260295	-2.376600	-1.910866
H	-3.655354	-0.384323	2.975491
H	-2.813813	2.757720	-1.097643
H	-3.113469	-2.908997	0.226907
H	-2.440272	1.219761	-2.592456
H	-3.087077	1.620770	2.472761
C	-4.336290	-1.281114	1.060931
C	-4.034692	1.798361	0.497028
C	-3.907489	-0.250948	-1.891107
C	-4.159614	-2.679988	0.439141
C	-3.493524	0.972554	-2.730740
C	-4.036350	1.927419	2.032555
H	-3.633268	0.704839	-3.784638
H	-4.511214	-3.412551	1.174506
H	-4.177472	2.988433	2.268774
P	-3.574100	0.044636	-0.047410
H	-5.661970	3.193253	0.390115
H	-6.231997	-1.872954	1.878573
H	-5.543357	-0.627901	-3.224949
C	-5.837664	-1.033385	1.294493
C	-5.398080	-0.549170	-2.141025
C	-5.422785	2.208346	-0.027191
H	-5.717959	-1.498618	-1.706174
H	-5.456862	2.303964	-1.113964
H	-6.032584	-0.124559	1.867183

H	-4.853578	1.382268	2.509001
H	-4.106443	1.856113	-2.544082
H	-4.752196	-2.826677	-0.465793
H	-6.213973	1.521734	0.286772
H	-6.411178	-0.986157	0.364980
H	-6.062653	0.240143	-1.780676

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xyz

C	2.452699	1.869669	-2.301741
C	2.085911	1.024351	-1.266556
C	0.826334	1.133935	-0.642267
C	0.004470	2.158505	-1.065599
C	0.351918	3.013366	-2.109017
C	1.574746	2.863784	-2.734664
C	2.986158	-0.060336	-0.665765
F	4.206301	-0.094103	-1.283864
B	0.628928	0.015167	0.546979
C	1.902965	0.294630	1.523868
C	3.128175	0.239414	0.833105
C	4.327182	0.449390	1.494725
C	4.325040	0.722426	2.862991
C	3.127974	0.786130	3.554205
C	1.929967	0.573083	2.874766
F	5.519531	0.406575	0.889998
F	5.478232	0.925629	3.506618
F	3.131058	1.053177	4.863810
F	0.798835	0.659744	3.602473
F	-1.187043	2.419820	-0.475563
F	-0.489177	3.978608	-2.502361
F	1.918679	3.677139	-3.736489
F	3.629159	1.795120	-2.931277
C	1.002043	-1.418893	-0.162952
C	0.292681	-2.603648	-0.195739
C	0.763295	-3.729758	-0.867248
C	1.986103	-3.679564	-1.510998
C	2.739690	-2.506288	-1.474844
C	2.253540	-1.394969	-0.805051
F	-0.898231	-2.749060	0.431672
F	3.917221	-2.527597	-2.106613
F	2.445006	-4.753879	-2.158217
F	0.041742	-4.856500	-0.891615
N	-0.731036	-0.061303	1.267991
N	-1.688850	-0.044270	0.524410
H	-4.437338	3.191860	1.710232
H	-3.696046	3.260432	0.087988
H	-3.001846	2.212305	1.333789
C	-3.935944	2.605173	0.932941
H	-5.925006	-1.711836	2.588686
H	-3.145569	-2.249619	-0.888794
H	-5.938658	0.059385	2.424283
C	-6.206781	-0.878255	1.933536
H	-2.020863	-1.234012	-1.790418

C	-3.078738	-1.489145	-1.668100
N	-4.823617	1.517768	0.518980
H	-5.331929	-3.078448	0.332710
H	-6.660345	2.467362	0.871033
N	-5.554349	-0.980972	0.630163
H	-3.473377	-1.900612	-2.603697
H	-6.039139	2.656345	-0.785148
C	-6.136417	1.956602	0.054926
C	-5.853068	-2.211968	-0.095109
H	-7.293896	-0.894079	1.793928
P	-4.270741	-0.008406	0.251448
H	-5.585099	-2.108928	-1.146755
N	-3.847783	-0.290358	-1.311784
H	-6.733734	1.101361	-0.265372
H	-6.931569	-2.391163	-0.037873
C	-3.613144	0.824950	-2.230902
H	-2.553561	1.103706	-2.234473
H	-1.962312	-0.497294	2.982116
N	-2.958046	-0.284010	1.207330
H	-3.912594	0.516423	-3.237525
C	-3.005451	-0.463870	2.649955
H	-3.495167	-1.405721	2.909999
H	-4.204711	1.696728	-1.949199
H	-3.504924	0.373757	3.150285

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xyz			
C	3.965241	-0.307502	2.211633
C	3.008318	-0.167213	1.219748
C	1.635939	-0.264326	1.515116
C	1.273834	-0.509649	2.824447
C	2.223645	-0.652929	3.834167
C	3.568613	-0.550915	3.526862
C	3.303290	0.096976	-0.261335
F	4.649079	0.178726	-0.492689
B	0.699795	-0.064885	0.190794
C	1.279882	-1.182722	-0.860437
C	2.665953	-1.038117	-1.068493
C	3.356472	-1.886317	-1.919475
C	2.680121	-2.912491	-2.578957
C	1.324819	-3.084629	-2.369494
C	0.647135	-2.223306	-1.509794
F	4.668452	-1.785010	-2.154403
F	3.339569	-3.732583	-3.401053
F	0.674233	-4.077212	-2.986682
F	-0.667834	-2.484405	-1.335140
F	-0.017636	-0.627879	3.198557
F	1.846111	-0.888590	5.095232
F	4.485178	-0.687092	4.489260
F	5.280200	-0.222665	1.984007
C	1.201090	1.374322	-0.423936
C	0.495153	2.521902	-0.724558
C	1.107032	3.656034	-1.252755

C	2.470033	3.651284	-1.481230
C	3.217575	2.514219	-1.174896
C	2.591190	1.394651	-0.650882
F	-0.840250	2.626278	-0.514878
F	4.531014	2.578783	-1.412061
F	3.067311	4.733016	-1.986877
F	0.385244	4.745964	-1.536434
N	-0.807129	-0.104975	0.510199
N	-1.566626	-0.045812	-0.467895
H	-7.125414	1.685620	-0.284682
H	-7.180799	-1.579401	-0.593667
H	-6.744812	-0.219203	2.363700
N	-6.080572	-0.040637	0.360454
C	-6.304807	1.019448	-0.593822
C	-6.235654	-1.415141	-0.053066
C	-5.963269	0.273879	1.764999
H	-6.602598	0.568600	-1.547114
H	-6.268877	-2.044126	0.843548
H	-6.100385	1.353902	1.889387
C	-5.027484	1.848059	-0.797750
C	-5.056714	-1.847648	-0.939011
C	-4.579407	-0.128311	2.299284
H	-5.162731	2.584402	-1.596066
H	-5.107127	-2.916380	-1.170474
H	-4.444338	0.207426	3.332099
H	-5.099370	-1.314361	-1.894947
H	-4.803841	2.410351	0.115683
H	-4.490229	-1.219385	2.311308
N	-3.877985	1.017333	-1.148259
N	-3.770213	-1.587648	-0.300424
N	-3.502095	0.446732	1.498640
H	-3.590499	2.367027	2.365612
H	-4.335774	0.686595	-3.188049
H	-3.857272	-3.109508	1.172133
C	-3.484322	0.976434	-2.558498
C	-2.839169	1.637967	2.035930
C	-3.155470	-2.693484	0.437710
P	-3.256060	-0.040786	-0.050746
H	-2.197048	1.359819	2.876050
H	-3.123309	1.961395	-2.869970
H	-2.851968	-3.479806	-0.258441
H	-2.675916	0.258649	-2.702147
H	-2.217458	2.108949	1.274362
H	-2.266241	-2.348147	0.969295

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xyz

C	-4.468765	-0.356243	2.461993
C	-3.695691	-0.204188	1.321682
C	-2.360350	0.236031	1.395257
C	-1.869717	0.567290	2.644056
C	-2.631532	0.418049	3.800870
C	-3.928687	-0.052723	3.710919

C	-4.188677	-0.440216	-0.107723
F	-5.500840	-0.830032	-0.126305
B	-1.646341	0.333402	-0.081140
C	-2.652966	1.326111	-0.905410
C	-3.986047	0.868532	-0.886652
C	-4.990662	1.572929	-1.530210
C	-4.687259	2.754448	-2.207941
C	-3.384770	3.218159	-2.234703
C	-2.386360	2.496772	-1.583609
F	-6.270756	1.184391	-1.545489
F	-5.652995	3.438347	-2.829610
F	-3.094391	4.352588	-2.882175
F	-1.138643	3.013614	-1.650500
F	-0.634088	1.085504	2.822081
F	-2.120408	0.733526	4.997110
F	-4.665146	-0.199564	4.816802
F	-5.736655	-0.782876	2.442076
C	-1.928948	-1.127665	-0.787000
C	-1.056152	-1.993415	-1.417167
C	-1.472031	-3.213896	-1.943578
C	-2.804533	-3.573604	-1.864346
C	-3.719832	-2.705393	-1.269247
C	-3.285838	-1.498036	-0.745090
F	0.260878	-1.710652	-1.576592
F	-4.995537	-3.104652	-1.242444
F	-3.212733	-4.742920	-2.366621
F	-0.590637	-4.037512	-2.527007
N	-0.158210	0.699990	-0.107519
N	0.518788	-0.036013	0.636784
H	4.233061	-3.134351	-3.582784
C	4.753015	-2.737529	-2.716286
H	6.636555	-3.646961	-3.226616
H	1.429170	4.302644	-1.879709
C	6.103653	-3.024358	-2.514165
H	3.013211	-1.709813	-1.953740
C	4.065382	-1.939900	-1.807334
C	2.132579	4.569245	-1.084554
H	3.452977	2.946990	-1.803120
H	2.618135	5.512301	-1.348243
C	3.147302	3.446023	-0.878959
C	6.769644	-2.516453	-1.400382
H	0.332972	2.712707	0.188826
H	0.440767	5.118549	0.208649
C	4.739584	-1.449388	-0.690900
C	1.408254	4.615090	0.264189
H	6.020668	1.350399	-1.708717
C	1.244449	3.137013	0.617097
H	0.439106	-2.503671	0.801086
N	2.412215	2.502884	-0.020377
H	7.820553	-2.739625	-1.243212
C	2.700413	1.210718	0.095117
C	6.084428	-1.726951	-0.479250
N	3.984394	0.750125	-0.154257
H	1.298338	-4.747809	1.042186

C	1.910324	0.138007	0.555824
H	4.044041	3.818840	-0.370298
C	6.141793	1.735115	-0.700723
C	2.774350	-0.964683	0.692822
N	4.047499	-0.612001	0.262412
C	1.189252	-2.653003	1.574863
N	2.518128	-2.201823	1.104050
H	3.863612	-3.720085	0.490811
H	2.024123	5.131760	1.010159
C	1.425991	-4.118572	1.930456
C	5.144435	1.506288	0.239098
H	8.056363	2.645472	-1.060977
H	1.253799	2.930812	1.691258
C	7.273264	2.460289	-0.332112
C	3.565790	-3.193654	1.404388
H	6.579347	-1.328456	0.401317
H	0.726798	-4.465545	2.694688
H	0.890384	-2.057506	2.443970
C	2.884678	-4.139780	2.391699
H	3.332379	-5.136449	2.373306
H	4.447418	-2.693949	1.816475
C	5.260130	1.981815	1.543610
C	7.392956	2.952504	0.965708
H	4.467972	1.785702	2.261586
C	6.386822	2.713398	1.903351
H	2.966986	-3.745291	3.410949
H	8.271166	3.524687	1.249463
H	6.481615	3.096584	2.914846

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xyz			
C	-0.481424	-1.211931	-0.241372
C	-0.533556	-0.800085	1.094147
C	-0.927289	-1.771451	1.998998
C	-1.271624	-3.064701	1.594465
C	-1.219459	-3.427670	0.253447
C	-0.810396	-2.485091	-0.682653
B	-0.098498	0.755546	1.391629
N	-0.432650	1.136133	2.837665
N	0.259187	1.972475	3.393339
N	-0.248733	2.275541	4.679067
C	0.486725	3.049745	5.483838
N	1.697384	3.428859	5.087768
S	0.085378	-0.001743	-1.425293
C	1.564475	0.525007	-0.567719
C	1.447626	0.856200	0.793228
C	2.655233	1.150504	1.405290
C	3.873377	1.165039	0.719393
C	3.932692	0.856656	-0.631538
C	2.752676	0.518428	-1.282981
C	-0.982212	1.349384	-0.972657
C	-1.697739	2.003340	-1.964754
C	-2.530438	3.055343	-1.602449

C	-2.612702	3.411474	-0.261813
C	-1.873167	2.726561	0.706080
C	-1.032471	1.672429	0.386922
N	-0.002574	3.425186	6.669772
F	-1.600771	1.643502	-3.240379
F	-3.232001	3.707570	-2.515182
F	-3.400452	4.411825	0.096582
F	-2.024064	3.153820	1.967710
F	2.782411	0.190375	-2.570544
F	5.086509	0.869053	-1.278343
F	4.986331	1.472370	1.367187
F	2.749643	1.419940	2.720557
F	-0.739005	-2.813948	-1.968881
F	-1.545194	-4.654258	-0.122736
F	-1.647050	-3.959508	2.492719
F	-0.981670	-1.525323	3.311517
H	2.055022	3.079227	4.205832
H	-0.958093	3.229092	6.930019
H	2.235492	4.112071	5.599153
H	-1.098795	1.796699	4.971045
H	0.568353	3.911496	7.345694

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xyz			
C	-3.218922	2.821278	-1.115541
C	-2.662086	1.623665	-0.691861
C	-1.313151	1.443661	-0.363575
C	-0.536894	2.586991	-0.467746
C	-1.056153	3.811583	-0.895148
C	-2.399035	3.937626	-1.225729
S	-3.723745	0.203574	-0.515056
C	-2.750426	-0.979072	-1.432171
C	-1.399419	-1.103513	-1.079207
C	-0.724634	-2.119691	-1.736864
C	-1.330989	-2.913073	-2.715170
C	-2.664787	-2.730268	-3.055079
C	-3.391907	-1.751694	-2.389056
B	-0.885806	-0.079864	0.109863
C	-1.872984	-0.417007	1.379969
C	-1.534184	-0.829231	2.658500
C	-2.502907	-1.077060	3.636135
C	-3.855428	-0.924142	3.354653
C	-4.235004	-0.524774	2.078621
C	-3.245044	-0.285770	1.137098
F	-4.511284	2.917817	-1.411291
F	-2.887053	5.100193	-1.628532
F	-0.263397	4.867987	-0.982438
F	0.766844	2.595097	-0.150658
F	-4.680379	-1.578341	-2.669561
F	-3.234873	-3.486885	-3.979854
F	-0.631058	-3.859283	-3.320831
F	0.546124	-2.426990	-1.453457
F	-5.524093	-0.381253	1.783952

F	-4.766278	-1.161731	4.286386
F	-2.134776	-1.465430	4.846467
F	-0.264360	-1.023639	3.022382
N	0.600202	-0.120062	0.513094
N	1.415950	-0.119056	-0.408719
H	5.861535	3.976825	-0.539975
H	6.347967	-2.943930	-2.240522
H	4.641090	-1.202421	4.668848
C	4.086307	-0.504559	4.050046
C	5.181291	3.263720	-0.994383
C	5.475751	-2.904277	-1.596032
H	5.218479	4.214942	-2.922459
H	3.533002	0.762896	5.696193
H	5.301921	-5.040975	-1.432760
H	4.487909	-1.580197	2.234154
H	5.403908	-0.753815	-1.585025
H	4.951180	2.117874	0.811113
C	3.464501	0.601596	4.624694
C	4.886677	-4.081479	-1.140134
C	4.818741	3.395340	-2.333231
C	4.945721	-1.671165	-1.226837
C	4.670463	2.216436	-0.233432
C	3.999536	-0.717969	2.677786
C	3.946168	2.479727	-2.921766
C	2.755624	1.504213	3.831865
C	3.764894	-4.036178	-0.311521
C	3.289554	0.188417	1.881946
C	3.821853	-1.627358	-0.395796
C	3.792693	1.301172	-0.824203
C	3.228483	-2.811160	0.063693
C	2.663197	1.301927	2.461021
C	3.430020	1.429128	-2.172693
H	3.306494	-4.955621	0.038175
H	3.667543	2.585071	-3.965451
H	2.272289	2.364706	4.283354
P	3.119175	-0.062335	0.119675
H	2.748497	0.717052	-2.628734
H	2.109881	2.004814	1.846327
H	2.352679	-2.776383	0.706396

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xyz			
C	3.664381	-1.485730	-1.975817
C	2.784132	-0.807704	-1.145292
C	1.390474	-0.922741	-1.197964
C	0.919837	-1.818109	-2.142758
C	1.769256	-2.516394	-3.005240
C	3.146672	-2.349842	-2.933159
S	3.447697	0.237284	0.136859
C	2.478426	1.696486	-0.162808
C	1.092575	1.519439	-0.251680
C	0.380725	2.694186	-0.422934
C	0.992952	3.946077	-0.521101

C	2.373423	4.068320	-0.439915
C	3.129562	2.918134	-0.250157
B	0.533030	-0.031916	-0.104684
C	1.124142	-0.560594	1.357735
C	0.501252	-1.173142	2.432265
C	1.185105	-1.565459	3.587943
C	2.553923	-1.377425	3.704414
C	3.231989	-0.802407	2.636716
C	2.514730	-0.419072	1.513354
F	4.979852	-1.328141	-1.867045
F	3.948579	-3.014100	-3.749864
F	1.261921	-3.352824	-3.895754
F	-0.385818	-2.089190	-2.264283
F	4.452042	3.004416	-0.151978
F	2.952434	5.253983	-0.531847
F	0.250787	5.028656	-0.689164
F	-0.957407	2.701026	-0.494512
F	4.549752	-0.636243	2.704990
F	3.199412	-1.751986	4.796880
F	0.518994	-2.132504	4.580976
F	-0.804987	-1.459974	2.427481
N	-0.968251	-0.061154	-0.481105
N	-1.812114	-0.000543	0.416868
H	-6.167556	-1.537239	0.260053
H	-6.023927	-0.225431	-1.771737
H	-6.365952	0.949302	0.387553
C	-5.789305	0.986323	1.315008
C	-5.363957	0.570597	-2.123823
C	-5.377367	-2.217743	-0.067312
H	-5.518326	0.664559	-3.204750
H	-5.617530	-3.208740	0.333385
H	-6.188166	1.814441	1.911186
H	-5.413055	-2.296509	-1.155020
H	-5.682868	1.512734	-1.673942
H	-5.976767	0.069796	1.876683
H	-4.074897	-1.820937	-2.587235
H	-4.806389	-1.439128	2.484190
H	-4.730518	2.822753	-0.414413
C	-3.869217	0.272119	-1.893327
C	-4.290006	1.252665	1.081544
C	-3.987423	-1.821416	0.465134
C	-3.462299	-0.934810	-2.759245
C	-3.992700	-1.979410	1.997927
C	-4.133606	2.664845	0.485228
H	-4.143372	-3.043192	2.212778
H	-3.608863	-0.646722	-3.806320
H	-4.494065	3.377260	1.235291
P	-3.533848	-0.055739	-0.054814
H	-4.032914	2.015498	3.066477
H	-3.288646	1.625283	-3.444774
H	-3.239718	-3.810928	0.185710
C	-3.027432	1.465079	-2.392452
C	-2.919074	-2.796149	-0.074579
C	-3.543543	1.266467	2.433820

H	-2.790744	-2.762105	-1.154730
H	-3.575487	0.317734	2.966207
H	-3.222932	2.397267	-1.866376
H	-3.092257	2.915623	0.276243
H	-3.044546	-1.688472	2.449709
H	-2.409311	-1.187473	-2.633438
H	-2.496934	1.553549	2.313932
H	-1.960475	1.246838	-2.338353
H	-1.947657	-2.628381	0.395166

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xyz

C	2.294510	-2.133407	-2.401450
C	2.006863	-1.200211	-1.415815
C	0.807605	-1.142766	-0.695621
C	-0.087936	-2.156541	-0.993403
C	0.153027	-3.104403	-1.989511
C	1.340248	-3.094900	-2.709736
S	3.287518	-0.054762	-0.930645
C	2.346760	1.457108	-0.994155
C	1.134657	1.464057	-0.296388
C	0.484675	2.688076	-0.281595
C	0.979578	3.808424	-0.953036
C	2.176607	3.745505	-1.655469
C	2.879483	2.547458	-1.666539
B	0.697654	0.051346	0.444025
C	1.965019	-0.272190	1.444798
C	1.954781	-0.506057	2.809888
C	3.127417	-0.769993	3.524831
C	4.359316	-0.812132	2.882411
C	4.409667	-0.590015	1.511603
C	3.225524	-0.329928	0.837610
F	3.459421	-2.128577	-3.043017
F	1.565195	-3.999229	-3.651033
F	-0.758437	-4.034031	-2.247588
F	-1.233528	-2.315500	-0.313356
F	4.040941	2.466730	-2.309038
F	2.641795	4.811154	-2.289324
F	0.305746	4.948453	-0.919695
F	-0.658838	2.877421	0.395101
F	5.577671	-0.630969	0.875149
F	5.465702	-1.063799	3.566450
F	3.071612	-0.986162	4.829041
F	0.821628	-0.498762	3.515821
N	-0.633467	0.187484	1.179788
N	-1.630997	0.205577	0.463122
H	-3.742472	0.484833	3.067795
H	-6.008889	-0.063223	-1.654328
H	-2.177436	1.343929	2.959861
H	-6.003649	1.715252	-1.701951
C	-2.736509	0.457445	2.652770
N	-2.819460	0.419524	1.190003
C	-5.406641	0.815348	-1.898585

H	-5.170032	0.775705	-2.966269
H	-7.106322	-0.228465	2.341051
N	-4.156679	0.838135	-1.128743
H	-4.558288	-1.982093	2.064169
H	-2.202977	-0.424883	3.016711
H	-6.654476	-1.193128	0.921048
P	-4.192973	0.043603	0.312088
C	-6.738754	-0.179120	1.311117
H	-5.147323	-2.630578	-1.644733
C	-4.372487	-2.496908	1.118351
H	-3.842358	2.933019	-1.208913
C	-3.314475	1.996367	-1.429659
N	-5.441656	0.497066	1.294994
H	-5.880372	1.974472	2.725549
N	-4.380243	-1.553197	-0.003465
H	-3.404117	-3.005289	1.179580
H	-7.470134	0.369213	0.703737
C	-4.207020	-2.171558	-1.318561
C	-5.515353	1.906443	1.695815
H	-5.160347	-3.243948	0.975462
H	-3.065675	1.974747	-2.495260
H	-2.391114	1.960065	-0.859584
H	-3.890632	-1.430685	-2.052539
H	-3.435299	-2.943309	-1.258966
H	-4.532450	2.380776	1.649871
H	-6.201622	2.459702	1.042069

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xyz			
C	-2.690127	1.618869	-0.218022
C	-1.304938	1.469427	-0.362775
C	-0.637540	2.636271	-0.699091
C	-1.292267	3.858675	-0.870312
C	-2.668018	3.956769	-0.711902
C	-3.380198	2.811176	-0.379910
B	-0.713190	-0.055213	-0.112775
N	0.792325	-0.154926	-0.412844
N	1.556757	0.350953	0.415426
P	3.280539	0.102001	0.035046
N	3.623415	-1.220834	0.974440
C	2.969406	-2.510776	0.747743
F	0.691070	2.669588	-0.886941
F	-0.595617	4.938675	-1.188225
F	-3.284918	5.116264	-0.875953
F	-4.699041	2.874424	-0.224387
S	-3.615525	0.157184	0.207999
C	-2.629083	-0.388568	1.592457
C	-1.245036	-0.494820	1.391940
C	-0.548103	-0.999770	2.478727
C	-1.172637	-1.333350	3.684182
C	-2.544027	-1.188521	3.842197
C	-3.287604	-0.714620	2.769031
F	0.769399	-1.225629	2.437616

F	-0.449655	-1.802410	4.689748
F	-3.129918	-1.509137	4.985466
F	-4.606918	-0.587754	2.882689
C	-2.965628	-0.948526	-1.034132
C	-3.854648	-1.681607	-1.806401
C	-3.343228	-2.557350	-2.755980
C	-1.964425	-2.669721	-2.888072
C	-1.101716	-1.914624	-2.087765
C	-1.572247	-1.020214	-1.138461
F	-5.170566	-1.562757	-1.653036
F	0.204817	-2.117762	-2.287728
F	-1.467425	-3.508174	-3.784039
F	-4.152618	-3.277448	-3.517909
N	3.329231	-0.254487	-1.578507
C	4.294285	-1.235326	-2.056004
C	5.724002	-0.753373	-1.772433
N	5.762619	-0.239937	-0.410845
C	6.069461	-1.194644	0.646005
C	4.909196	-1.241897	1.662525
C	2.795258	0.676027	-2.571840
N	3.896692	1.528963	0.631906
C	5.325940	1.832031	0.790129
C	6.201147	1.131711	-0.234516
C	3.105642	2.416741	1.507341
H	2.048064	2.181654	1.460945
H	5.451038	2.914899	0.683626
H	3.257455	3.450143	1.181442
H	5.636888	1.581695	1.814819
H	5.982551	0.051129	-2.465751
H	3.607534	1.118490	-3.162275
H	3.445989	2.316578	2.545851
H	6.096025	1.644116	-1.193626
H	2.251646	1.486284	-2.087469
H	4.130045	-1.384549	-3.126529
H	6.446804	-1.562887	-1.930474
H	7.255627	1.205799	0.070133
H	2.103432	0.148418	-3.234643
H	4.116461	-2.199833	-1.572703
H	4.962852	-0.399848	2.358185
H	6.189533	-2.184265	0.194145
H	7.013442	-0.948857	1.150621
H	2.119960	-2.393136	0.071705
H	2.604655	-2.906580	1.699272
H	4.959819	-2.151394	2.267018
H	3.664466	-3.235744	0.305197

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xyz			
C	-3.587909	-2.399738	2.198879
C	-3.220724	-1.403411	1.305709
C	-1.917573	-0.926322	1.127318
C	-0.975295	-1.502767	1.968043
C	-1.299843	-2.520444	2.867947

C	-2.604547	-2.981291	2.987848
S	-4.498105	-0.616679	0.338877
C	-4.073900	1.088485	0.674232
C	-2.735385	1.456336	0.489665
C	-2.450031	2.783239	0.767255
C	-3.430563	3.682313	1.195638
C	-4.747691	3.272655	1.364333
C	-5.075744	1.949096	1.098956
B	-1.718432	0.260359	-0.016509
C	-2.433460	-0.311421	-1.396900
C	-1.925504	-0.367138	-2.686875
C	-2.659358	-0.882144	-3.758304
C	-3.956131	-1.347619	-3.578697
C	-4.516774	-1.278125	-2.310822
C	-3.750509	-0.767121	-1.272928
F	-4.851594	-2.800918	2.312338
F	-2.902881	-3.944326	3.848355
F	-0.351359	-3.056164	3.626092
F	0.307323	-1.112856	1.989362
F	-6.330534	1.533377	1.254874
F	-5.672299	4.130746	1.771390
F	-3.108279	4.942448	1.446220
F	-1.215266	3.281970	0.639685
F	-5.766164	-1.692646	-2.113592
F	-4.645622	-1.832454	-4.601439
F	-2.119427	-0.924291	-4.967821
F	-0.706837	0.093716	-2.996711
N	-0.263917	0.696753	-0.168769
N	0.462809	-0.237040	-0.570444
H	6.925923	-2.347178	-2.976092
H	8.593856	-2.747526	-1.183929
C	6.705031	-2.059122	-1.953024
C	7.642736	-2.282483	-0.943656
H	6.391337	1.802915	-0.409875
C	5.485613	-1.462562	-1.649222
C	7.364360	-1.909476	0.369862
H	7.576088	3.132107	1.337638
H	4.745995	-1.276762	-2.423642
C	5.890816	2.084733	0.511591
H	8.096564	-2.080282	1.152721
C	6.545565	2.827593	1.491067
C	5.212820	-1.108902	-0.329722
C	6.141739	-1.319430	0.682151
H	4.251345	3.071547	-1.586627
N	3.910417	0.905009	-0.290598
H	2.950587	4.110368	-3.303384
C	2.607976	1.201786	-0.682014
C	4.571356	1.702137	0.720472
N	3.956286	-0.489968	0.000358
H	5.900947	-1.025143	1.699112
C	3.300154	3.497748	-1.256949
C	1.836200	0.009280	-0.637492
C	2.673217	4.430468	-2.292900
C	2.734776	-1.031556	-0.307497

C	5.876047	3.183554	2.660509
H	3.006558	5.462253	-2.160952
H	0.993923	2.161916	-2.717851
N	2.299435	2.421690	-1.094623
H	4.255839	-3.548294	-0.052296
N	2.516952	-2.342874	-0.246816
H	1.147958	-2.687561	-1.822626
H	6.386160	3.768962	3.419238
H	3.461745	4.000186	-0.297872
C	1.042116	2.751387	-1.793411
C	3.895202	2.038904	1.891026
C	3.354903	-3.291019	0.514010
C	1.309171	-2.995442	-0.786600
H	2.210732	-4.853477	-1.454828
C	4.552214	2.790909	2.860009
C	1.171130	4.243726	-2.072796
H	3.658026	-2.840924	1.463637
C	1.616123	-4.481003	-0.612980
H	0.571266	4.548212	-2.933428
H	2.865713	1.720429	2.035686
H	0.193610	2.484600	-1.165370
C	2.442384	-4.505775	0.675512
H	0.430561	-2.694800	-0.209921
H	0.833733	4.817192	-1.202401
H	4.032166	3.068110	3.771661
H	0.703879	-5.078953	-0.550895
H	3.013525	-5.427505	0.806738
H	1.792130	-4.377947	1.548086

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xyz			
C	1.481822	-0.295562	0.409562
F	2.147556	0.437401	1.356234
B	-0.142982	-0.022744	0.405524
C	-0.921910	-1.141138	-0.513087
F	-0.915476	-2.372846	0.081333
C	-0.484560	1.506551	-0.079236
F	-0.185417	1.750120	-1.374868
F	1.811998	-1.593325	0.687187
F	2.084277	-0.005810	-0.762067
F	-1.794149	1.831598	0.073251
F	0.201534	2.436546	0.648370
F	-2.231152	-0.853333	-0.719608
F	-0.375815	-1.316995	-1.736370
N	-0.782757	-0.159548	1.816478
N	-0.057147	-0.621906	2.673771
N	-0.600163	-1.398408	6.154685
H	1.819697	-1.919969	5.463213
C	-0.022314	-1.178606	4.961199
N	-0.738603	-0.735863	3.935591
H	-1.582792	-1.217238	6.292371
N	1.279412	-1.405055	4.785856
H	1.659678	-1.262848	3.853825

H	-1.709467	-0.434158	3.984841
H	-0.039509	-1.540674	6.981006

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xyz

C	-1.545283	-0.501426	0.856171
F	-1.173340	-1.408045	1.818732
B	-0.810326	0.952473	1.084007
C	-1.570556	2.152078	0.260848
F	-2.853004	2.349635	0.668199
C	0.786854	0.877903	0.708927
F	1.025592	0.784956	-0.620316
F	-2.897268	-0.447524	0.931961
F	-1.254789	-1.082461	-0.326019
F	1.483696	1.975056	1.129156
F	1.421202	-0.186555	1.275317
F	-0.954105	3.358064	0.443781
F	-1.628104	1.958255	-1.074574
N	-1.088412	1.272552	2.573090
N	-0.132457	1.256489	3.348096
H	-2.227286	3.577533	3.796298
H	-4.637764	4.064474	3.970282
C	-2.843515	3.010266	4.487633
C	-4.202144	3.284311	4.585944
H	2.078668	2.359564	4.144997
H	3.554277	4.251577	4.747221
C	1.753850	3.092844	4.877376
C	2.578900	4.160899	5.214478
P	-0.558240	1.602912	5.034896
C	0.489017	2.990952	5.472183
C	2.150809	5.113607	6.137769
C	-2.288126	1.986811	5.268507
H	2.799276	5.946121	6.394264
C	0.891584	5.009495	6.726922
C	0.054244	3.949448	6.394428
C	-5.001638	2.544251	5.455869
H	-6.064024	2.758433	5.525005
H	0.557466	5.757400	7.439308
H	-0.934328	3.875750	6.839691
H	-0.825115	-1.189519	4.367586
C	-3.092703	1.234089	6.130886
C	-4.449953	1.523234	6.227830
C	-0.089042	0.121473	5.930560
C	-0.372484	-1.122758	5.353358
H	-2.664568	0.427790	6.719632
C	0.522024	0.204786	7.185532
H	0.757624	1.172814	7.619841
H	-5.077492	0.945321	6.899015
C	-0.046460	-2.283990	6.046336
H	-0.254920	-3.250418	5.598705
C	0.840080	-0.963562	7.870839
C	0.554412	-2.203932	7.301819
H	1.317246	-0.905429	8.844182

H 0.810002 -3.114045 7.836374

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xyz

C	-2.844970	0.870394	1.118238
F	-2.485620	0.503330	2.379924
B	-2.069112	0.000287	-0.035598
C	-2.302688	0.643615	-1.529771
F	-1.598007	1.804342	-1.708352
C	-2.507378	-1.582289	0.010699
F	-3.740749	-1.820609	-0.478592
F	-2.537374	2.201743	1.040521
F	-4.191947	0.795025	1.078082
F	-1.655983	-2.373124	-0.713603
F	-2.486025	-2.109234	1.264888
F	-1.911462	-0.167455	-2.549935
F	-3.592802	0.959767	-1.784826
N	-0.579325	0.034296	0.388999
N	0.245106	-0.024446	-0.532861
H	1.099003	-0.240695	-2.805972
H	0.249616	-2.390666	1.024929
H	0.151205	2.308983	1.045477
H	1.447994	-2.682770	-1.150296
H	0.553259	0.492170	2.691773
H	1.464887	2.162548	-1.952675
C	1.185097	-2.240616	1.565677
C	2.183516	-0.354777	-2.752232
C	1.214095	2.556102	1.042137
P	1.919515	0.010618	0.028699
H	1.455369	3.032898	0.094006
H	0.980988	-1.598914	2.419672
H	2.423472	-1.416034	-2.718278
H	1.503435	-3.216265	1.951645
H	1.380956	3.297589	1.832032
H	2.616128	0.042810	-3.677493
C	2.360012	-2.716197	-0.547963
C	1.597028	0.809736	2.740083
C	2.534735	1.936288	-1.909240
C	2.309610	-1.733861	0.637365
C	2.794516	0.452081	-1.581878
C	2.095307	1.331736	1.377272
H	1.658313	1.645540	3.446724
H	2.438319	-3.726683	-0.131242
H	2.949980	2.133672	-2.903707
H	2.211933	0.003754	3.145453
H	3.025375	2.622532	-1.216470
H	3.229820	-2.564943	-1.190807
C	3.565457	1.768882	1.515978
C	4.308826	0.195179	-1.516803
C	3.661455	-1.765730	1.373566
H	3.639923	-1.214979	2.316399
H	4.545411	-0.867934	-1.423252
H	3.931206	2.304998	0.637225

H	3.891323	-2.810188	1.614170
H	3.632372	2.458968	2.364932
H	4.754086	0.542017	-2.456436
H	4.241534	0.933853	1.721307
H	4.486189	-1.381801	0.766342
H	4.802294	0.732564	-0.702653

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xyz

C	0.623666	0.224425	0.913423
F	1.483430	0.127703	1.977189
B	-0.755168	1.040595	1.282284
C	-1.871781	0.831676	0.093067
F	-2.423046	-0.418952	0.114911
C	-0.437063	2.637007	1.506575
F	-0.176106	3.320714	0.374769
F	0.383801	-1.071538	0.553037
F	1.350775	0.760659	-0.089120
F	-1.470068	3.293654	2.112855
F	0.636814	2.860074	2.329989
F	-2.924146	1.688716	0.168827
F	-1.364521	0.982717	-1.155110
N	-1.223956	0.459954	2.637810
N	-2.431395	0.492455	2.859189
H	-4.448582	0.344423	5.335693
H	-2.235001	2.181654	5.779879
H	-4.567132	-1.153770	4.367983
H	-0.645203	2.847800	6.197167
C	-4.195477	-0.124448	4.380199
N	-2.763212	-0.059432	4.116230
C	-1.183899	2.217178	5.482095
H	-1.119592	2.665045	4.485153
H	-0.188162	-3.493404	5.943504
N	-0.588612	0.876530	5.490701
H	-3.329763	0.730607	7.817228
H	-4.677299	0.432198	3.574234
H	0.044601	-1.942850	6.780022
P	-1.565625	-0.419777	5.234140
C	0.102513	-2.444538	5.811588
H	-4.214024	-1.648480	6.938852
C	-2.377550	0.182451	7.796379
H	1.417636	1.333680	5.873643
C	0.819616	0.864620	5.084900
N	-0.789274	-1.808826	4.843787
H	-0.722889	-3.447912	3.567477
N	-2.313757	-0.747252	6.677334
H	-1.551960	0.892527	7.748708
H	1.140442	-2.411929	5.458893
C	-3.159052	-1.927366	6.821171
C	-0.701125	-2.355733	3.487125
H	-2.285625	-0.384029	8.729651
H	0.949091	1.405382	4.144783
H	1.171605	-0.155358	4.934245

H	-3.063477	-2.575195	5.947114
H	-2.846733	-2.496024	7.705329
H	-1.548741	-2.037138	2.882409
H	0.219677	-2.041684	2.988645

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xyz

C	3.630846	6.509815	3.299725
F	3.423631	7.579611	2.480468
B	2.328576	6.144862	4.231758
C	2.683858	4.963176	5.318104
F	3.573273	5.402463	6.263154
C	1.026009	5.748926	3.312536
F	1.186558	4.640525	2.559150
F	4.737726	6.830221	4.032163
F	4.014778	5.498133	2.483756
F	-0.104103	5.544714	4.045475
F	0.697035	6.752468	2.442414
F	1.603614	4.540325	6.029056
F	3.234337	3.854644	4.780451
N	1.833372	7.312576	5.110832
N	2.472919	8.373253	5.070779
H	1.401649	6.842735	7.976967
H	-0.975250	9.174072	7.095430
H	1.891107	8.096849	9.166457
C	1.850328	7.832078	8.103069
H	-0.515363	8.497567	8.649885
H	-1.201226	11.953664	6.622148
C	-0.221365	9.224849	7.887888
H	-1.501444	9.728865	4.880870
H	2.874168	7.782390	7.727885
H	-1.170771	11.032007	8.649466
H	-0.357567	8.374542	4.755381
C	-0.515965	9.425471	4.504959
H	-0.413134	11.949118	4.353010
N	0.536753	10.259328	5.093458
N	1.081082	8.838712	7.369762
C	-0.135893	12.180476	6.508658
C	-0.158806	10.646196	8.469449
C	0.332294	11.700780	5.114023
H	-0.024945	13.272400	6.586365
P	1.712601	9.612291	6.061473
N	0.587688	11.497315	7.562092
H	0.352041	10.621036	9.436408
H	-0.498946	9.518453	3.415240
H	1.257023	12.206539	4.820229
C	1.842209	12.045617	8.026510
N	2.995749	10.652278	6.282235
C	2.928778	11.947748	6.965418
H	3.899725	12.124334	7.443102
H	1.755433	13.099528	8.339662
H	2.154370	11.466904	8.899257
C	4.111417	10.653184	5.312596

H	4.201405	9.693037	4.812141
H	5.036912	10.859852	5.858731
H	2.805365	12.743527	6.214632
H	3.960794	11.439185	4.559920

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xyz

C	-4.071567	0.515442	-1.566149
F	-3.637033	1.774810	-1.877852
B	-3.394986	-0.053972	-0.181562
C	-3.725058	-1.654352	0.005493
F	-2.980228	-2.440781	-0.837779
C	-3.940444	0.803281	1.114034
F	-5.216862	0.526788	1.466079
F	-3.752926	-0.243047	-2.654314
F	-5.424119	0.594585	-1.554239
F	-3.193652	0.598170	2.237886
F	-3.897789	2.157298	0.917981
F	-3.461767	-2.140510	1.252474
F	-5.013584	-1.986634	-0.245591
N	-1.882822	0.223163	-0.328196
N	-1.138264	-0.434384	0.423596
H	4.089061	3.175949	3.275983
C	4.165458	2.841375	2.245864
H	6.015157	3.880803	1.878297
H	1.387828	-4.051934	3.056372
C	5.248654	3.236097	1.458750
H	2.331728	1.700069	2.311938
C	3.181029	2.016730	1.712058
C	1.510138	-4.381166	2.018199
H	2.089847	-5.307712	2.018709
H	2.929918	-2.710703	1.759390
C	5.348207	2.806276	0.137305
C	2.190174	-3.287491	1.195879
H	-0.741123	-2.589937	1.884932
H	-0.603435	-5.004688	1.966839
C	0.144679	-4.514493	1.340160
C	3.283003	1.605421	0.384878
H	5.014615	-1.077904	0.643899
C	-0.241168	-3.068702	1.039155
H	-0.972037	2.482262	1.342747
N	1.069514	-2.418361	0.796950
H	6.191206	3.112409	-0.474640
C	1.210775	-1.137649	0.473296
C	4.359273	1.988263	-0.405773
N	2.462667	-0.614795	0.184533
C	0.234972	-0.138060	0.304855
H	-0.233279	4.780464	0.953861
H	2.682566	-3.707292	0.311413
C	4.689689	-1.467355	-0.316155
C	0.921862	1.041329	-0.052561
N	2.275824	0.747941	-0.187999
C	-0.809191	2.783983	0.304994

N	0.502418	2.298328	-0.166741
H	2.037903	3.765482	-0.262715
H	0.236298	-5.087295	0.410011
C	3.363306	-1.313852	-0.700243
C	-0.717737	4.292831	0.099154
H	6.612876	-2.248977	-0.876575
H	-0.889731	-2.958693	0.170984
C	1.239261	3.351876	-0.888312
C	5.574929	-2.123083	-1.169280
H	4.408697	1.649946	-1.436231
H	-1.709177	4.731150	-0.031575
H	-1.598069	2.341564	-0.306869
C	0.162938	4.404768	-1.148147
H	1.688486	2.938127	-1.796244
H	0.595630	5.398368	-1.290258
C	2.905764	-1.794753	-1.925088
C	5.125549	-2.621085	-2.390602
H	1.865570	-1.654688	-2.207962
C	3.792011	-2.457252	-2.768084
H	-0.415479	4.145265	-2.041303
H	5.814679	-3.138384	-3.051423
H	3.442452	-2.843428	-3.720651

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xyz			
N	-1.336997	1.514523	-0.351714
N	-0.167120	1.799034	-1.204415
N	0.020839	1.299556	0.168759
B	-0.517452	0.395316	-0.879019
N	-0.543540	-0.913542	-1.342325
N	-0.565307	-1.979637	-1.720471
N	-0.267858	-4.700602	-1.866377
N	-0.097742	-4.206657	-3.241967
B	-0.590903	-3.288140	-2.184472
N	-1.450430	-4.386001	-2.690659

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xyz			
C	-2.165224	1.599087	2.299890
C	-2.728750	0.875197	1.257502
C	-4.126614	0.775457	1.152920
C	-4.945560	1.397351	2.084323
C	-4.373100	2.126080	3.131284
C	-2.989939	2.226593	3.239528
B	-2.082132	0.050017	0.035310
C	-2.608784	-1.471346	0.136360
C	-4.013098	-1.443725	0.094204
C	-4.738794	-2.624164	0.163918
C	-4.065723	-3.844629	0.275775
C	-2.675724	-3.876220	0.315540
C	-1.944674	-2.685605	0.245146
C	-4.626865	-0.049709	-0.032560

C	-4.054504	0.583247	-1.300520
C	-2.652573	0.673700	-1.337098
C	-2.025673	1.233207	-2.442360
C	-2.791113	1.703150	-3.514810
C	-4.178408	1.610848	-3.475004
C	-4.814435	1.049195	-2.363652
H	-5.899433	0.977883	-2.332732
H	-4.771409	1.976358	-4.308602
H	-2.298766	2.141233	-4.378497
H	-0.940299	1.316645	-2.490361
H	-5.825809	-2.600176	0.131164
H	-4.632010	-4.770092	0.330521
H	-2.154399	-4.825581	0.400208
H	-0.856252	-2.731035	0.274453
H	-6.027216	1.318207	2.000656
H	-5.012162	2.613892	3.861912
H	-2.547081	2.792102	4.054629
H	-1.084007	1.686740	2.401835
H	-5.719454	-0.091891	-0.061448
N	-0.552456	0.088573	0.063906
N	0.552481	0.085118	0.066198
H	2.525654	4.839753	0.892291
H	4.991512	4.603697	0.799397
C	2.972803	3.866897	0.707994
C	4.356435	3.734158	0.655433
C	2.153135	2.748607	0.522919
H	1.071420	2.872017	0.565312
C	4.934475	2.483647	0.416546
H	6.016529	2.380535	0.374443
C	2.722209	1.504252	0.286753
H	2.144217	-1.617344	-4.560132
C	2.667522	-1.302472	-3.661674
C	4.120554	1.375145	0.233107
C	4.057803	-1.318364	-3.622143
H	4.622291	-1.645022	-4.490934
C	1.938716	-0.882478	-2.543881
H	0.850101	-0.880259	-2.592964
C	4.733443	-0.916492	-2.465839
C	2.605377	-0.480269	-1.394439
C	4.010000	-0.499975	-1.357692
H	5.820682	-0.930841	-2.434918
B	2.081957	0.047944	0.037330
C	4.626961	-0.041521	-0.036708
H	5.719643	-0.079448	-0.068031
C	2.662346	-0.945926	1.165554
C	4.063868	-0.942592	1.062170
C	2.043315	-1.729101	2.130469
C	4.831271	-1.718645	1.918713
H	0.958387	-1.744207	2.230646
H	5.915927	-1.714235	1.836470
C	2.816260	-2.512033	2.994474
C	4.203140	-2.506494	2.888137
H	2.330195	-3.123877	3.749223
H	4.801971	-3.115043	3.559849

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xyz

C	4.629764	0.082268	-2.829086
C	3.964370	0.046966	-1.612510
C	2.570793	0.044179	-1.486669
C	1.827205	0.078976	-2.661525
C	2.468285	0.115090	-3.903797
C	3.856986	0.116879	-3.990587
S	4.896035	0.001030	-0.070225
C	4.075504	1.349269	0.800061
C	2.677814	1.295563	0.832165
C	2.018662	2.324522	1.496659
C	2.744425	3.356599	2.099396
C	4.134820	3.376630	2.047330
C	4.824178	2.358493	1.387538
B	2.111767	-0.000732	0.060030
C	2.675844	-1.340670	0.755049
C	2.015077	-2.405477	1.358725
C	2.739152	-3.472119	1.900180
C	4.129527	-3.491408	1.846565
C	4.820504	-2.437663	1.247079
C	4.073435	-1.394640	0.719566
H	5.714276	0.083185	-2.882829
H	4.344640	0.145068	-4.959125
H	1.873903	0.142037	-4.811661
H	0.738556	0.078696	-2.636568
H	5.908943	2.362142	1.339593
H	4.688381	4.181770	2.518409
H	2.215456	4.152054	2.614769
H	0.932046	2.343981	1.560030
H	5.905252	-2.440303	1.198699
H	4.681830	-4.323541	2.269867
H	2.208902	-4.295251	2.368646
H	0.928437	-2.426709	1.421314
N	0.550739	-0.001115	0.111460
N	-0.551028	-0.000533	0.111301
H	-4.462442	4.301641	-2.421469
H	-1.990884	4.271446	-2.292921
C	-3.952234	3.473321	-1.941717
C	-2.562916	3.452876	-1.867578
C	-4.696583	2.425864	-1.397564
H	-5.781207	2.429587	-1.448787
C	-1.892952	2.391348	-1.251395
H	-0.805015	2.413011	-1.213074
C	-4.002741	1.387805	-0.793325
C	-2.607790	1.333540	-0.699545
C	-3.945931	-3.390739	-2.085085
C	-4.692173	-2.368276	-1.497698
C	-2.556641	-3.371009	-2.010025
H	-4.454618	-4.199175	-2.599143
C	-4.000237	-1.355177	-0.850427
H	-5.776786	-2.371691	-1.549173

S	-4.896090	-0.000150	-0.069343
C	-1.888597	-2.334980	-1.349979
H	-1.983143	-4.170065	-2.469147
C	-2.605357	-1.302486	-0.754387
B	-2.112121	-0.000366	0.060071
H	-0.800618	-2.356262	-1.312722
C	-4.110847	-0.033053	1.552581
C	-2.711804	-0.032033	1.554502
C	-4.885731	-0.057449	2.702946
H	-5.970584	-0.057190	2.657061
C	-2.079182	-0.057561	2.793109
H	-0.993098	-0.058489	2.866461
C	-4.222579	-0.082558	3.930471
C	-2.831616	-0.082623	3.971371
H	-4.796892	-0.102144	4.850461
H	-2.323259	-0.102431	4.930209

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xyz			
C	4.847981	-0.555478	-2.543444
C	4.111541	-0.305321	-1.397698
C	2.708092	-0.320427	-1.456421
C	2.078480	-0.583403	-2.650041
C	2.807865	-0.836492	-3.808890
C	4.192361	-0.821158	-3.749511
C	4.680292	0.001350	-0.002293
F	6.041144	0.002693	-0.004803
B	2.116215	-0.001409	0.002568
C	2.709769	1.421492	0.453664
C	4.113147	1.363132	0.431936
C	4.850900	2.480491	0.785371
C	4.196665	3.657733	1.161029
C	2.812243	3.716654	1.183012
C	2.081507	2.586522	0.825491
F	6.181856	2.498193	0.787959
F	4.907491	4.728405	1.499652
F	2.195986	4.838242	1.540952
F	0.736615	2.659117	0.851817
F	0.733489	-0.601897	-2.723464
F	2.190281	-1.089712	-4.957941
F	4.901939	-1.060904	-4.847373
F	6.178909	-0.557536	-2.562589
C	2.713487	-1.103460	1.007058
C	2.088151	-2.007644	1.832659
C	2.821750	-2.882454	2.629872
C	4.206025	-2.834357	2.584363
C	4.857279	-1.920625	1.750109
C	4.116709	-1.055682	0.962040
F	0.743457	-2.065997	1.887671
F	6.188266	-1.932109	1.758978
F	4.919589	-3.663078	3.339568
F	2.208360	-3.752943	3.424763
N	0.547941	-0.002760	0.004574

N	-0.547952	-0.002735	0.004378
F	-2.188514	3.750532	-3.420170
F	-4.900227	3.665951	-3.344828
C	-2.806504	2.881197	-2.627576
C	-4.191019	2.835811	-2.587098
F	-0.732476	2.061028	-1.877940
C	-2.077479	2.004941	-1.827767
C	-4.847007	1.923337	-1.755205
F	-6.177926	1.937386	-1.768755
C	-2.707478	1.101845	-1.004491
C	-4.110952	1.056935	-0.964529
B	-2.116185	-0.001576	0.002309
F	-0.739255	-2.665551	-0.840226
C	-2.711166	-1.423236	-0.450744
C	-2.084069	-2.589832	-0.819611
C	-4.680245	0.001237	-0.002169
C	-4.114480	-1.361795	-0.434251
C	-2.815946	-3.718441	-1.179608
F	-2.200830	-4.841554	-1.534710
C	-4.200314	-3.656401	-1.163035
C	-4.853361	-2.477608	-0.790191
F	-6.041101	0.002833	-0.004540
F	-4.912220	-4.725594	-1.504057
F	-6.184335	-2.492357	-0.797769
C	-2.712615	0.318758	1.458989
C	-4.115851	0.306830	1.395244
C	-2.086560	0.580102	2.654811
F	-0.741803	0.595025	2.732831
C	-4.855762	0.558742	2.538351
F	-6.186745	0.563913	2.552760
C	-2.819455	0.834944	3.811069
C	-4.203775	0.822935	3.746731
F	-2.205400	1.086658	4.962337
F	-4.916693	1.064406	4.842053

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xyz			
C	4.853189	0.245294	-2.729029
C	4.131629	0.138707	-1.549745
C	2.730272	0.131171	-1.513719
C	2.075966	0.234742	-2.720052
C	2.768879	0.344103	-3.930075
C	4.159960	0.349915	-3.937595
S	4.985300	0.001808	0.019391
C	4.100426	1.281588	0.908055
C	2.699889	1.236358	0.861565
C	2.022795	2.221840	1.543391
C	2.692378	3.224462	2.252241
C	4.082932	3.245646	2.282743
C	4.798989	2.259107	1.600165
B	2.155959	-0.002509	-0.014327
C	2.706504	-1.373206	0.629444
C	2.034681	-2.465707	1.128539

C	2.709551	-3.573485	1.651460
C	4.100171	-3.592814	1.678149
C	4.810936	-2.498492	1.179008
C	4.107093	-1.418533	0.668342
F	6.173802	0.249104	-2.726431
F	4.817490	0.451793	-5.071208
F	2.104704	0.440873	-5.060551
F	0.734188	0.232141	-2.759220
F	6.119335	2.271338	1.622877
F	4.718624	4.185446	2.946433
F	2.006369	4.147813	2.889076
F	0.680445	2.241585	1.541003
F	6.131333	-2.507703	1.200009
F	4.740751	-4.630562	2.168611
F	2.028424	-4.596577	2.118357
F	0.692494	-2.490505	1.122936
N	0.547515	-0.004648	-0.031525
N	-0.547009	-0.003947	-0.032100
F	-1.985689	-0.444187	5.029103
F	-4.697544	-0.443829	5.104099
C	-2.676223	-0.344808	3.914626
C	-4.066585	-0.344872	3.955213
F	-0.668817	-0.242859	2.698128
C	-2.011418	-0.238734	2.688640
C	-4.787392	-0.237996	2.763284
F	-6.107671	-0.236619	2.791722
C	-2.693228	-0.132467	1.497531
C	-4.093521	-0.134894	1.567241
F	-0.711356	2.476349	-1.194690
C	-2.053285	2.458587	-1.166245
B	-2.155681	-0.001376	-0.016813
C	-2.736354	3.568603	-1.673609
F	-2.063094	4.588434	-2.158616
C	-2.717297	1.370054	-0.648521
C	-4.127172	3.593831	-1.665104
C	-4.118168	1.421069	-0.652216
C	-4.830014	2.503309	-1.146799
F	-4.775385	4.633871	-2.140439
S	-4.985064	0.004217	0.019455
F	-6.150463	2.518223	-1.134862
C	-2.725555	-1.238707	-0.877394
C	-4.126907	-1.279430	-0.889205
C	-2.068601	-2.226012	-1.575823
F	-0.726833	-2.248054	-1.607713
C	-4.845540	-2.255081	-1.563163
F	-6.166072	-2.262960	-1.553306
C	-2.758745	-3.227256	-2.266861
C	-4.149674	-3.244417	-2.262298
F	-2.091809	-4.152963	-2.920176
F	-4.804571	-4.183003	-2.908873

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xyz

N	-3.208661	-0.199195	-0.164340
H	-4.144856	0.112166	-0.434127
H	-2.792809	-0.876775	-0.793305
N	-1.028079	0.671718	0.193279
H	-0.472848	1.515474	0.118872
H	-0.764411	0.145030	1.021038
N	-2.978849	2.052329	0.223222
H	-2.429477	2.894781	0.410270
C	-2.403563	0.886524	0.077026
N	-5.799333	5.815729	-1.061935
H	-5.097851	5.285119	-1.584046
C	-6.206237	5.101316	0.037777
H	-7.221249	6.426015	1.196259
N	-5.478395	4.077816	0.404125
H	-5.730487	3.512810	1.218851
N	-7.344614	5.537189	0.720008
H	-6.568607	6.162679	-1.623651
H	-7.734052	4.848024	1.351717
N	-4.311153	2.250291	0.015807
N	-4.425110	3.619640	-0.329197

LA-2_N2_LA-2

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xyz			
P	1.944620	0.031669	0.172886
C	2.273130	0.586860	-1.549195
C	1.675194	-0.162963	-2.566516
C	3.085606	1.673067	-1.884928
C	1.887781	0.165378	-3.901730
H	1.028841	-0.996078	-2.300195
C	3.298693	2.002924	-3.222779
H	3.550475	2.268102	-1.103279
C	2.701010	1.249464	-4.231247
H	1.415316	-0.422567	-4.683930
H	3.929085	2.850803	-3.476256
H	2.866723	1.508645	-5.273505
C	2.490305	1.448262	1.190551
C	3.559818	1.349807	2.085096
C	1.759205	2.642564	1.120117
C	3.903723	2.433438	2.891691
H	4.128795	0.426781	2.157187
C	2.103224	3.720444	1.930443
H	0.913393	2.712663	0.442582
C	3.176985	3.619110	2.814696
H	4.739559	2.348811	3.580634
H	1.530107	4.641803	1.872644
H	3.444887	4.463006	3.444680
C	3.083568	-1.343596	0.472514
C	2.713847	-2.334799	1.387927
C	4.326149	-1.414250	-0.163081
C	3.582398	-3.388510	1.658309
H	1.741218	-2.269192	1.866624
C	5.195331	-2.466550	0.116344
H	4.615758	-0.652749	-0.882713

C	4.824145	-3.453906	1.026822
H	3.290079	-4.159308	2.365927
H	6.159413	-2.517069	-0.381671
H	5.501464	-4.275758	1.242440
H	-2.866853	-1.548371	-5.261996
C	-2.701177	-1.281183	-4.221756
H	-3.931982	-2.874641	-3.454622
H	-1.412729	0.385228	-4.687147
C	-3.300405	-2.025740	-3.207599
C	-1.886435	-0.195758	-3.900510
C	-3.087285	-1.685652	-1.872333
C	-1.673895	0.142866	-2.567850
C	-2.273320	-0.598019	-1.544889
H	-3.553207	-2.273818	-1.086116
H	-1.026449	0.977129	-2.307871
H	-0.914029	-2.709211	0.460304
H	-1.529811	-4.628195	1.904367
C	-1.759175	-2.634192	1.138154
C	-2.102647	-3.706312	1.956311
P	-1.944836	-0.029941	0.172975
C	-2.489921	-1.439264	1.200984
C	-3.175495	-3.598543	2.840911
H	-4.616603	0.645933	-0.886806
H	-3.442988	-4.437978	3.476999
C	-3.558479	-1.334277	2.095925
C	-3.901845	-2.412166	2.910400
C	-4.326923	1.412822	-0.172943
C	-3.084102	1.347177	0.462697
H	-4.127160	-0.410623	2.162120
H	-4.736955	-2.322528	3.599590
C	-5.196238	2.466974	0.098991
H	-6.160515	2.513582	-0.399029
C	-2.714256	2.345233	1.370593
H	-1.741428	2.283337	1.849389
C	-4.824930	3.461151	1.001964
C	-3.582932	3.400728	1.633461
H	-5.502357	4.284430	1.211718
H	-3.290532	4.176841	2.335215
N	0.492052	-0.534856	0.476311
N	-0.492365	0.539073	0.472193

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xyz

P	2.015843	0.009994	0.001459
C	2.570038	-0.653468	-1.717853
C	2.985047	1.587318	0.416462
C	2.376945	-1.362776	1.291448
C	2.607749	0.516785	-2.718404
H	3.451741	1.191555	-2.557232
H	2.715516	0.107566	-3.731101
H	1.682010	1.098959	-2.692633
C	1.463172	-1.600024	-2.232072
H	1.647017	-1.809258	-3.294709

H	1.436989	-2.556962	-1.711282
H	0.476652	-1.143697	-2.123357
C	3.926603	-1.373527	-1.768935
H	4.140174	-1.650529	-2.810525
H	4.753139	-0.746293	-1.422756
H	3.935113	-2.297239	-1.185912
C	2.376134	2.778836	-0.352186
H	2.846785	3.701457	0.012445
H	2.545690	2.729278	-1.427643
H	1.300036	2.835784	-0.178478
C	2.818051	1.924149	1.911315
H	3.321455	1.213041	2.570080
H	3.269089	2.907188	2.097010
H	1.761252	1.979538	2.185975
C	4.488811	1.502790	0.105730
H	4.693142	1.421674	-0.964262
H	4.968140	2.426574	0.454132
H	4.982313	0.668664	0.610961
C	3.849876	-1.489718	1.712962
H	3.946031	-2.347239	2.392643
H	4.520925	-1.667786	0.867962
H	4.209891	-0.611375	2.255211
C	1.508000	-1.062760	2.529014
H	1.662850	-1.863658	3.264797
H	1.750170	-0.118673	3.017189
H	0.452926	-1.043597	2.245104
C	1.896958	-2.735819	0.781142
H	0.863395	-2.680969	0.431094
H	2.527483	-3.144586	-0.011371
H	1.937368	-3.445037	1.618836
H	-1.937852	3.444064	1.621053
H	-0.864153	2.681098	0.432350
C	-1.897586	2.735457	0.782835
H	-1.440166	2.559613	-1.711673
H	-2.528532	3.144666	-0.009139
H	-1.663311	1.861164	3.266236
C	-1.463282	1.601778	-2.230999
H	-0.452740	1.043313	2.245560
H	-0.476189	1.147392	-2.119244
H	-1.645047	1.809126	-3.294354
C	-1.507821	1.061202	2.529557
C	-2.377057	1.361925	1.292315
H	-3.946152	2.344796	2.394935
H	-3.935879	2.297422	-1.185974
C	-3.849968	1.488134	1.714178
C	-2.569864	0.654358	-1.717716
C	-3.926685	1.373863	-1.769161
P	-2.015750	-0.009893	0.001333
H	-1.749183	0.116340	3.016737
H	-4.521141	1.667164	0.869498
H	-4.139842	1.651093	-2.810774
H	-4.209964	0.609042	2.255240
C	-2.606737	-0.515569	-2.718667
H	-2.715193	-0.106137	-3.731206

H	-1.680461	-1.096897	-2.693275
H	-4.753183	0.746289	-1.423591
H	-1.760534	-1.980414	2.184170
C	-2.985094	-1.587265	0.415488
H	-3.320918	-1.215002	2.569608
C	-2.817457	-1.925243	1.909988
H	-3.450030	-1.191194	-2.557493
H	-1.301258	-2.837747	-0.178895
H	-4.981445	-0.666583	0.609808
C	-2.376981	-2.778591	-0.354103
C	-4.489003	-1.501927	0.105515
H	-2.544737	-2.727170	-1.429742
H	-4.693954	-1.422181	-0.964477
H	-3.267986	-2.908656	2.094970
H	-2.849697	-3.700962	0.008514
H	-4.968935	-2.424771	0.455563
N	-0.505154	-0.524166	0.044415
N	0.505256	0.524135	0.044787

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xyz			
P	2.342055	-0.032118	-0.089705
N	4.093165	0.237657	-0.216192
N	2.518366	-1.302866	1.037552
N	1.934063	1.430259	0.694491
C	4.859010	-0.867501	-0.778037
H	4.862436	-0.859341	-1.881046
H	4.454726	-1.831056	-0.457234
H	5.904310	-0.809034	-0.442767
C	4.489359	1.476052	-0.863947
H	4.041260	2.340032	-0.371597
H	4.208090	1.510172	-1.931945
H	5.580055	1.584947	-0.796983
C	3.623951	-1.450297	1.973034
H	4.315306	-0.613296	1.897099
H	4.182351	-2.380294	1.780294
H	3.233396	-1.509447	3.000468
C	1.645001	-2.463271	1.096153
H	0.825474	-2.349062	0.389443
H	1.245935	-2.594763	2.114227
H	2.213173	-3.373505	0.844290
C	1.388824	2.549425	-0.054673
H	0.952299	2.200177	-0.990070
H	2.158710	3.309756	-0.272584
H	0.593604	3.035458	0.528675
C	2.608377	1.816311	1.915092
H	2.782874	0.948482	2.554192
H	1.958503	2.507721	2.468603
H	3.575343	2.321962	1.747705
N	1.882551	-0.064266	-1.715514
C	2.166424	-0.977292	-2.801740
H	3.041244	-0.627254	-3.361110
H	1.307059	-0.974569	-3.484453

H	2.344534	-2.011370	-2.466063
H	-2.279487	3.207275	-0.694321
H	-3.132153	2.634402	-2.153472
C	-2.532625	2.318283	-1.290009
H	-4.340550	2.809840	0.671398
H	-5.215389	2.200661	-0.750834
H	-1.597982	1.852819	-1.619037
C	-4.538520	1.913882	0.064740
H	-0.709202	1.730029	1.724461
N	-3.307095	1.372716	-0.488374
H	-0.067066	-0.527850	1.818460
C	-1.711938	1.457776	2.077993
H	-5.037538	1.170574	0.689542
C	-1.079270	-0.859568	2.077088
H	-2.431678	2.199439	1.729699
N	-2.062267	0.117798	1.606841
H	-1.730417	1.453848	3.173721
P	-2.631773	-0.046002	0.050322
H	-1.953800	-0.624344	-2.989226
H	-1.172957	-0.960084	3.165250
H	-1.245745	-1.834756	1.616858
N	-1.472895	-0.625960	-0.921350
C	-1.702190	-1.322905	-2.178072
H	-4.674469	-0.429053	-1.748438
H	-0.765861	-1.829683	-2.427714
N	-3.971474	-1.047813	0.134384
C	-4.850250	-1.218062	-1.014077
H	-2.487102	-2.080255	-2.076376
H	-5.897207	-1.161166	-0.688004
C	-4.051554	-2.123243	1.109564
H	-3.601480	-1.810626	2.053201
H	-4.695763	-2.189992	-1.503473
H	-5.107711	-2.347995	1.298142
H	-3.560232	-3.043153	0.758509
N	0.793422	-0.500056	-0.758976
N	-0.353369	0.300907	-0.847919

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xyz			
P	-1.916888	-0.203670	-0.271557
N	-5.092905	0.283460	0.428114
N	-2.605001	1.043269	-1.156072
N	-2.863839	-1.567412	-0.464046
N	-2.181479	0.251533	1.338693
C	-4.991377	1.426006	-0.448941
H	-5.632445	2.244994	-0.079723
H	-5.390164	1.135512	-1.428540
C	-3.570813	1.986100	-0.619658
H	-3.608450	2.852285	-1.292817
H	-3.221599	2.363555	0.347540
C	-4.662301	0.411710	1.800067
H	-5.411513	-0.036392	2.475117
H	-4.630028	1.481385	2.041165

C	-3.301578	-0.230349	2.126836
H	-3.071511	-0.050923	3.186380
H	-3.391271	-1.316328	2.011528
C	-5.293454	-1.028630	-0.139294
H	-6.243495	-1.057965	-0.699598
H	-5.399368	-1.739697	0.689562
C	-4.174952	-1.506273	-1.082364
H	-4.422640	-2.508208	-1.458210
H	-4.140188	-0.847338	-1.957095
C	-2.261476	1.188296	-2.561932
H	-1.497612	0.452421	-2.820193
C	-1.358017	1.293255	1.929386
H	-0.585838	1.589873	1.214560
C	-2.436868	-2.856951	0.044424
H	-1.486158	-2.751111	0.569643
H	-1.951551	2.181263	2.200383
H	-0.858878	0.927645	2.838034
H	-1.847919	2.186240	-2.753505
H	-3.139711	1.038490	-3.209349
H	-2.287670	-3.572494	-0.775442
H	-3.177985	-3.276767	0.742508
H	3.138975	-1.030680	-3.211513
H	4.422806	2.510993	-1.452974
H	4.139647	0.851242	-1.955292
H	6.243580	1.058744	-0.698127
C	2.260892	-1.182432	-2.564334
C	4.174992	1.508331	-1.079177
H	5.389681	-1.132894	-1.431462
H	1.496638	-0.446310	-2.820711
H	1.847780	-2.180105	-2.758244
C	5.293729	1.028410	-0.137554
H	2.283937	3.572905	-0.768687
C	4.991036	-1.425442	-0.452416
N	2.864239	1.568392	-0.460044
N	2.604484	-1.040694	-1.158151
H	3.607662	-2.849518	-1.299139
H	5.400049	1.737698	0.692776
C	2.436998	2.857115	0.050261
H	5.631945	-2.245439	-0.085180
N	5.093266	-0.284881	0.427175
C	3.570317	-1.984830	-0.624038
P	1.916873	0.204545	-0.270873
H	3.179947	3.277431	0.746048
H	1.488302	2.749711	0.578819
H	3.221278	-2.364478	0.342351
C	4.662593	-0.416008	1.798872
H	5.411926	0.030540	2.474807
H	3.391914	1.311762	2.015015
N	2.181505	-0.254142	1.338437
C	3.302033	0.225504	2.127408
H	4.630300	-1.486200	2.037649
C	1.358093	-1.297121	1.926929
H	0.585055	-1.591266	1.212016
H	3.072205	0.043397	3.186551

H	1.951309	-2.186269	2.194874
H	0.860050	-0.933833	2.837116
N	0.454161	0.576039	-0.725497
N	-0.454124	-0.573728	-0.727044

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xyz

C	1.647518	-0.208294	0.244253
N	3.655368	0.763570	-0.300377
C	2.285773	0.984236	-0.148897
N	3.900998	-0.587509	0.108156
C	4.605740	1.672106	0.292286
C	2.658397	-1.152443	0.384977
C	4.814184	-1.270501	-0.771949
N	1.757801	2.198058	-0.306735
C	0.317335	2.501393	-0.100103
C	2.454984	3.325906	-0.946072
N	2.552349	-2.447339	0.708489
C	1.240848	-3.091912	0.919749
C	3.661144	-3.267740	1.209615
C	4.363421	-1.814270	-1.973291
C	6.150823	-1.361821	-0.402447
C	5.264592	-2.469063	-2.806067
C	6.608898	-2.566283	-2.443172
C	7.052052	-2.009679	-1.245365
C	5.674388	2.113236	-0.477927
C	4.459948	2.076358	1.618000
C	6.609556	2.981690	0.082467
C	6.465043	3.403444	1.402328
C	5.390205	2.950617	2.169484
C	1.320225	4.276421	-1.336357
C	0.265569	4.013977	-0.257642
C	1.621411	-4.523544	1.290142
C	2.952555	-4.348917	2.028679
H	3.313645	-1.725740	-2.241173
H	4.919632	-2.902503	-3.740202
H	7.310129	-3.078077	-3.095790
H	8.097651	-2.084793	-0.962032
H	6.470455	-0.928993	0.540680
H	5.759590	1.778290	-1.507239
H	7.445871	3.332808	-0.514644
H	7.189142	4.087083	1.835712
H	5.277323	3.279589	3.198196
H	3.616482	1.715266	2.200855
H	3.044702	2.972972	-1.799242
H	3.138170	3.806906	-0.236931
H	1.659919	5.314871	-1.377629
H	0.922782	4.007352	-2.321999
H	0.545340	4.508874	0.680453
H	-0.738056	4.349591	-0.529597
H	-0.041292	2.124057	0.858983
H	-0.271834	2.004904	-0.878777
H	0.630271	-3.015544	0.016222

H	0.699073	-2.587073	1.724943
H	0.850610	-5.000604	1.900543
H	1.766073	-5.129362	0.387447
H	2.771099	-3.988998	3.047810
H	3.540121	-5.268815	2.089692
H	4.349425	-2.655449	1.801600
H	4.226046	-3.706236	0.377388
N	0.314138	-0.317931	0.653542
H	-0.985009	-3.251242	3.194870
H	-6.039618	-4.032734	-1.015519
C	-1.963516	-2.784486	3.371139
H	-2.636019	-3.573422	3.724890
C	-6.119560	-3.008111	-0.661536
H	-4.081967	-2.540112	-1.173351
H	-1.863137	-2.412098	1.214260
C	-1.813186	-1.633369	4.381668
C	-5.015111	-2.164416	-0.763504
C	-2.472020	-2.099781	2.084373
H	-8.161678	-3.219312	-0.003930
C	-7.305172	-2.556906	-0.089460
C	-1.503339	-0.442126	3.478380
N	-2.367089	-0.662923	2.333366
C	-2.328369	0.274975	1.257925
H	-3.512599	-2.371465	1.853940
H	-2.522755	2.574376	2.304906
C	-1.777232	-0.177831	-0.026190
C	-5.096945	-0.844541	-0.310004
N	-3.664139	0.755555	0.823511
C	-7.373724	-1.247516	0.389786
C	-2.796403	-0.290673	-0.990551
N	-4.013255	0.060095	-0.402883
H	-2.434471	-2.389275	-4.434819
C	-3.143878	3.017479	1.534943
C	-6.283096	-0.394630	0.281186
N	-2.767220	-0.607752	-2.293843
C	-1.554754	-1.026478	-2.994753
C	-3.793855	2.148802	0.640288
H	-4.637041	-1.149336	-3.130476
H	-8.286449	-0.885955	0.855579
C	-2.059298	-1.359151	-4.399155
H	-2.760064	5.041488	2.113123
C	-3.276543	4.393755	1.407710
C	-3.882023	-0.356960	-3.214376
H	-6.326809	0.617003	0.671628
C	-4.592913	2.713663	-0.366233
C	-3.214875	-0.370878	-4.590237
C	-4.057035	4.952993	0.392323
H	-4.363583	0.592617	-2.964807
H	-3.909594	-0.663401	-5.382364
H	-5.114662	2.065523	-1.062646
C	-4.715140	4.097960	-0.486814
H	-2.822862	0.624544	-4.830125
H	-4.157038	6.030967	0.297766
H	-5.335439	4.506021	-1.281809

H	-1.085410	-1.863832	-2.469272
H	-0.823419	-0.209004	-3.002880
H	-1.275157	-1.257547	-5.154720
H	-1.037270	-1.825858	5.131787
H	-0.432912	-0.425410	3.196353
H	-2.761687	-1.462936	4.904338
H	-1.740319	0.521220	3.943964
N	-0.492538	-0.381158	-0.368020

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xyz			
N	-2.837935	-0.140369	0.277426
H	-3.752865	0.324845	0.269588
H	-2.794637	-1.146446	0.241748
N	-0.580710	0.014175	-0.236857
H	0.226467	0.590513	-0.421135
H	-0.395786	-0.834180	0.276806
N	-1.973375	1.885604	-0.389501
H	-1.146318	2.428240	-0.600096
C	-1.798933	0.602308	-0.115580
B	-3.314281	2.524612	-0.375675
N	-4.422729	3.084232	-1.153265
N	-4.232265	3.438541	0.310174
N	-4.690494	2.076016	-0.085554

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xyz			
P	-0.282116	-0.145169	1.040304
C	0.113085	1.532219	0.473931
C	-0.406407	2.612274	1.196260
C	0.892073	1.755716	-0.664967
C	-0.155832	3.911698	0.765251
H	-0.988240	2.436137	2.097739
C	1.138138	3.058818	-1.088975
H	1.317195	0.919119	-1.213162
C	0.612201	4.134952	-0.376345
H	-0.553386	4.749886	1.329186
H	1.747091	3.232750	-1.971111
H	0.809783	5.150794	-0.706182
C	1.019727	-1.254147	0.435277
C	0.912924	-1.905379	-0.796872
C	2.160744	-1.425232	1.227043
C	1.954098	-2.715005	-1.242911
H	0.017017	-1.793305	-1.401859
C	3.196992	-2.235963	0.773449
H	2.228822	-0.940040	2.197697
C	3.095701	-2.877301	-0.460006
H	1.869417	-3.224541	-2.198148
H	4.079664	-2.373802	1.390332
H	3.904507	-3.513328	-0.807924
C	-1.840647	-0.641888	0.256515
C	-2.609415	-1.628125	0.884566

C	-2.262457	-0.083828	-0.953607
C	-3.790119	-2.062156	0.289296
H	-2.293380	-2.040027	1.839899
C	-3.445198	-0.523492	-1.542042
H	-1.679579	0.699935	-1.430222
C	-4.206025	-1.513499	-0.922750
H	-4.389937	-2.822798	0.779470
H	-3.775536	-0.086745	-2.479795
H	-5.130926	-1.851287	-1.381218
B	-0.412986	-0.212765	2.890229
N	0.352803	-0.178451	4.153003
N	-0.857865	-1.032295	4.035971
N	-0.993138	0.446919	4.078267

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xyz

P	0.037689	-0.096152	0.609561
C	0.029643	1.741944	0.133450
C	1.599409	-0.981770	-0.008561
C	-1.546807	-0.979996	0.049497
C	1.426944	2.346155	0.369573
H	2.175728	1.985720	-0.338814
H	1.349993	3.430774	0.229480
H	1.776480	2.170338	1.391321
C	-0.918746	2.496560	1.090673
H	-0.838606	3.567389	0.867552
H	-1.965750	2.220443	0.977872
H	-0.635577	2.349225	2.137124
C	-0.384010	1.989414	-1.325264
H	-0.291818	3.061790	-1.535855
H	0.251801	1.458941	-2.039869
H	-1.423147	1.712453	-1.519022
C	2.785989	-0.579830	0.894530
H	3.656781	-1.171995	0.588020
H	3.063558	0.469577	0.811961
H	2.583636	-0.799698	1.946994
C	1.438190	-2.503569	0.168610
H	0.707719	-2.940378	-0.515504
H	2.404753	-2.970229	-0.054786
H	1.176426	-2.765639	1.198106
C	1.927353	-0.679660	-1.478776
H	2.196930	0.366697	-1.641541
H	2.793247	-1.284839	-1.773451
H	1.105519	-0.931896	-2.155048
C	-1.542755	-1.346744	-1.442391
H	-2.516494	-1.783052	-1.695978
H	-1.393882	-0.478081	-2.090136
H	-0.783023	-2.092573	-1.688463
C	-1.735078	-2.249397	0.908792
H	-2.701347	-2.694768	0.642615
H	-0.972633	-3.008388	0.742080
H	-1.756773	-2.013175	1.976829
C	-2.769874	-0.091514	0.346019

H	-2.800236	0.218055	1.394975
H	-2.825897	0.790066	-0.295897
H	-3.670005	-0.686427	0.151646
B	0.072013	-0.173216	2.472429
N	0.650125	0.432286	3.691223
N	0.382326	-1.029955	3.636763
N	-0.750693	-0.067944	3.696483

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xyz

P	-2.068634	1.446914	0.455980
N	-3.549803	0.969185	-0.129287
N	-1.042446	0.290852	-0.132557
N	-1.740218	2.951740	-0.141521
C	-4.020715	-0.403715	0.012972
H	-4.846735	-0.469277	0.733194
H	-3.211568	-1.052956	0.353037
H	-4.377475	-0.772968	-0.956971
C	-4.593019	1.932338	-0.452391
H	-4.150216	2.872639	-0.783480
H	-5.254234	2.123930	0.404521
H	-5.198145	1.534480	-1.274758
C	-1.103093	-0.171916	-1.514165
H	-2.006501	0.195479	-2.004613
H	-1.112351	-1.268622	-1.534398
H	-0.228526	0.172288	-2.082528
C	0.216718	-0.025621	0.546685
H	0.156480	0.186210	1.614920
H	1.048868	0.555721	0.131538
H	0.421173	-1.093252	0.411842
C	-2.191166	4.138156	0.595788
H	-3.054132	3.902209	1.221030
H	-2.477653	4.912547	-0.124976
H	-1.392307	4.514704	1.245302
C	-0.509390	3.199094	-0.896857
H	-0.685459	4.037097	-1.579307
H	-0.238681	2.330279	-1.497565
H	0.314002	3.441555	-0.214367
N	-2.035124	1.526635	2.081317
C	-2.842234	0.646268	2.928003
H	-3.874690	0.597120	2.568904
H	-2.853061	1.065664	3.936071
H	-2.428165	-0.368436	2.982268
B	-0.847373	2.185703	2.679525
N	0.381252	2.876909	2.258237
N	0.400819	1.951834	3.429784
N	-0.331916	3.272592	3.521972

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xyz

P	8.691931	13.738298	4.608201
N	6.729488	11.612394	4.223908

N	8.260893	13.072590	6.084000
N	7.416265	14.460388	3.781020
N	9.390874	12.532657	3.689116
C	6.812215	11.123376	5.578888
H	6.795435	10.023360	5.611407
H	5.932987	11.468232	6.132592
C	8.087320	11.641532	6.255741
H	8.077965	11.425207	7.329910
H	8.955603	11.123235	5.836796
C	7.499432	10.959574	3.195023
H	6.856356	10.652771	2.353213
H	7.923834	10.044019	3.622775
C	8.651118	11.834822	2.648014
H	9.360258	11.204595	2.101014
H	8.267740	12.559907	1.923088
C	5.721133	12.576105	3.874004
H	5.229131	12.892250	4.798006
H	4.940806	12.142951	3.221704
C	6.254991	13.817230	3.163710
H	6.473543	13.588089	2.109272
H	5.444547	14.557302	3.146567
C	7.644905	13.950844	7.072377
H	7.960459	13.648382	8.075921
C	10.733394	12.055963	4.011776
H	11.170997	12.671991	4.801633
C	7.687135	15.752908	3.135816
H	8.510921	16.275862	3.621146
H	10.716227	11.011374	4.352512
H	11.380686	12.130253	3.130927
H	6.546568	13.929725	7.019501
H	7.980314	14.979789	6.915181
H	6.791602	16.378768	3.211600
H	7.937430	15.621535	2.073829
B	9.947772	15.057994	4.990577
N	10.904026	16.069204	4.497691
N	11.245673	15.228318	5.679873
N	10.204376	16.272046	5.798230

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xyz			
C	0.088738	-1.530338	-0.002529
N	0.621758	0.714330	0.176761
C	1.107948	-0.589261	0.236807
N	-0.750769	0.617916	-0.186868
C	1.316657	1.722980	-0.582580
C	-1.047232	-0.745716	-0.248033
C	-1.578832	1.504676	0.592626
N	2.406649	-0.786575	0.472936
C	3.050439	-2.118276	0.427814
C	3.300471	0.229145	1.049949
N	-2.309868	-1.112211	-0.494671
C	-2.762752	-2.515582	-0.473229
C	-3.320185	-0.221966	-1.086246

C	-1.980642	1.145399	1.877569
C	-1.944493	2.728413	0.044700
C	-2.772807	2.020188	2.613843
C	-3.146792	3.250546	2.071293
C	-2.729186	3.605975	0.790467
C	1.505219	2.976312	-0.012545
C	1.767621	1.445791	-1.871576
C	2.160446	3.968060	-0.739925
C	2.626738	3.696925	-2.024556
C	2.430611	2.435759	-2.589388
C	4.428305	-0.601212	1.662071
C	4.515549	-1.799036	0.712787
C	-4.251464	-2.401454	-0.792801
C	-4.310983	-1.191980	-1.729279
H	-1.678356	0.184921	2.286899
H	-3.097310	1.743171	3.612448
H	-3.765409	3.931229	2.648767
H	-3.019405	4.563025	0.367269
H	-1.616296	2.978865	-0.959588
H	1.143193	3.160947	0.994329
H	2.312332	4.948911	-0.299390
H	3.144970	4.467585	-2.587556
H	2.793552	2.224107	-3.590733
H	1.605310	0.459221	-2.297880
H	2.757259	0.838290	1.779608
H	3.687042	0.894791	0.269246
H	5.358988	-0.032323	1.736063
H	4.148472	-0.936503	2.667243
H	5.035967	-1.514099	-0.209587
H	5.035567	-2.656465	1.145995
H	2.879744	-2.592558	-0.539941
H	2.622661	-2.768302	1.196960
H	-2.550400	-2.973892	0.493762
H	-2.228173	-3.099210	-1.228451
H	-4.637387	-3.318140	-1.244608
H	-4.826517	-2.202313	0.119519
H	-3.968064	-1.473685	-2.731460
H	-5.309700	-0.756218	-1.818317
H	-2.849732	0.461461	-1.800419
H	-3.809758	0.378869	-0.310645
B	0.252936	-3.076563	0.014306
N	0.952544	-4.209472	-0.642561
N	-0.410526	-4.394256	-0.068969
N	0.754001	-4.204155	0.838445

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xyz			
C	0.598040	-0.243086	-1.387615
C	0.967957	-0.441541	-0.044525
C	2.079654	-1.200311	0.294695
H	2.345993	-1.343816	1.340197
C	2.851039	-1.788565	-0.712440
H	3.722224	-2.383843	-0.451858

C	2.490808	-1.621065	-2.045584
H	3.077497	-2.092513	-2.830538
C	1.367815	-0.853195	-2.375336
H	1.090130	-0.755030	-3.425374
C	-0.443522	2.013049	-0.633659
C	-0.019468	1.696211	0.670378
C	0.284099	2.687535	1.592681
H	0.606705	2.420854	2.597387
C	0.164923	4.032577	1.228017
H	0.401724	4.813001	1.946435
C	-0.268221	4.366753	-0.050751
H	-0.375473	5.411466	-0.332712
C	-0.572955	3.358081	-0.972661
H	-0.924889	3.641003	-1.964693
C	-1.842822	-0.135519	-0.610435
C	-1.368099	-0.351804	0.698081
C	0.030071	0.202830	0.969737
C	-2.133637	-1.019720	1.642180
H	-1.748391	-1.176392	2.647969
C	-3.404379	-1.492256	1.297101
H	-4.008029	-2.016015	2.033535
C	-3.890349	-1.289835	0.010485
H	-4.876983	-1.655993	-0.262704
C	-3.108180	-0.614413	-0.934179
H	-3.521059	-0.475414	-1.935311
H	0.349147	0.005901	1.998509
B	-0.750172	0.666132	-1.497666
N	-0.929517	1.463788	-5.235452
H	1.018344	2.004103	-2.733940
C	-0.518436	1.470593	-3.931157
N	-1.221709	0.932746	-2.970247
H	-0.653002	2.244324	-5.813653
N	0.670707	2.061918	-3.685346
H	-2.160508	0.649356	-3.222927
H	1.376320	2.023853	-4.406046
H	-1.845024	1.091864	-5.441069

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xyz			
P	1.118738	0.000240	0.001542
C	1.830979	1.476835	0.799039
C	1.148910	2.694450	0.696578
C	3.033458	1.414830	1.510061
C	1.677691	3.838823	1.285324
H	0.195061	2.747240	0.180703
C	3.557669	2.563190	2.098261
H	3.557685	0.469454	1.618895
C	2.882063	3.776217	1.983574
H	1.137717	4.777677	1.208503
H	4.490295	2.506479	2.651997
H	3.288516	4.670254	2.447706
C	1.832583	-1.428465	0.880840
C	3.033066	-2.014627	0.467811

C	1.153704	-1.947348	1.989100
C	3.558528	-3.098521	1.166884
H	3.554280	-1.637258	-0.407567
C	1.683680	-3.029740	2.684428
H	0.201540	-1.525655	2.296028
C	2.886119	-3.604569	2.277211
H	4.489530	-3.550855	0.837845
H	1.146191	-3.431718	3.537896
H	3.293404	-4.453875	2.818306
C	1.832264	-0.046403	-1.675514
C	1.154745	-0.749307	-2.678133
C	3.031388	0.606404	-1.977559
C	1.684850	-0.810826	-3.963047
H	0.203358	-1.227167	-2.465535
C	3.556920	0.542460	-3.265698
H	3.551588	1.177754	-1.213805
C	2.886005	-0.168766	-4.258140
H	1.148491	-1.351041	-4.737285
H	4.486871	1.055173	-3.493658
H	3.293369	-0.213432	-5.264120
H	-1.268658	1.463025	4.679732
C	-1.739006	1.169512	3.744531
H	0.137845	0.876760	2.764088
C	-0.942720	0.829862	2.645555
H	-3.745896	1.400530	4.492520
C	-3.124899	1.135815	3.640822
H	0.144498	-2.830252	-0.618883
H	-1.257091	-4.785658	-1.071064
C	-0.936391	-2.706567	-0.602479
C	-1.729822	-3.829880	-0.858894
C	-1.511180	0.450166	1.429401
C	-3.716210	0.759179	2.432478
C	-1.508003	-1.464575	-0.325018
C	-3.115973	-3.726022	-0.839006
C	-2.917108	0.422537	1.348458
B	-0.858721	-0.000551	0.000073
H	-3.734818	-4.597255	-1.036526
H	-4.800176	0.728618	2.340265
C	-3.710351	-2.492348	-0.562449
C	-2.913977	-1.383536	-0.310831
C	-3.473624	-0.001777	-0.003426
H	-4.794537	-2.399390	-0.544792
C	-1.508108	1.012518	-1.106066
H	-4.568436	-0.002354	-0.004938
C	-2.914113	0.956700	-1.045102
H	0.144016	1.955187	-2.137818
C	-0.936901	1.876540	-2.040740
C	-3.710805	1.728710	-1.879551
C	-1.730715	2.659874	-2.885313
H	-4.794973	1.664820	-1.809391
C	-3.116856	2.587678	-2.807456
H	-1.258327	3.323734	-3.605110
H	-3.735969	3.194225	-3.463082

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xyz

C	1.244619	0.311935	1.470201
C	2.652748	0.312663	1.370782
C	3.480147	0.560632	2.458049
C	2.930407	0.816607	3.713873
C	1.549659	0.799947	3.853032
C	0.734948	0.545662	2.745742
C	3.208346	-0.000253	-0.000112
C	2.652536	-1.343786	-0.414590
C	1.244443	-1.429502	-0.465036
C	0.734846	-2.651170	-0.900149
C	1.549564	-3.737268	-1.233490
C	2.930332	-3.624978	-1.149607
C	3.479956	-2.409371	-0.743438
B	0.550634	0.000004	-0.000208
P	-1.651855	-0.000065	-0.000118
C	-2.398836	-1.470796	1.049207
C	-2.364152	-2.844593	0.334960
C	1.244704	1.117428	-1.005361
C	2.652787	1.030693	-0.956308
C	3.480414	1.848436	-1.714329
C	2.930901	2.808535	-2.563481
C	1.550168	2.937657	-2.618575
C	0.735250	2.105686	-1.845124
C	-2.399158	1.643971	0.749007
C	-2.364370	1.712221	2.295926
C	-2.398464	-0.173357	-1.798667
C	-2.363418	1.132299	-2.630969
C	-3.861633	1.901718	0.324886
C	-1.556394	2.857133	0.308488
C	-3.860928	-0.669325	-1.810031
C	-1.555577	-1.161385	-2.628960
C	-3.861258	-1.232043	1.484259
C	-1.556289	-1.695676	2.320281
H	-0.326351	2.272229	-1.899254
H	1.093895	3.690206	-3.257395
H	3.574016	3.449339	-3.160559
H	4.560354	1.738184	-1.638394
H	4.559915	-2.288546	-0.686139
H	3.573369	-4.462631	-1.405649
H	1.093170	-4.666941	-1.565160
H	-0.326792	-2.781283	-1.016940
H	4.560114	0.549816	2.324825
H	-0.326684	0.509121	2.916801
H	1.093275	0.977384	4.824025
H	3.573402	1.013663	4.567364
H	4.302854	-0.000374	-0.000165
H	-0.491070	2.712026	0.503727
H	-0.490144	-0.920415	-2.599936
H	-0.490761	-1.790750	2.097475
H	-1.886137	-1.086495	-3.672538
H	-1.887779	3.723713	0.894275

H	-1.886762	-2.636940	2.777130
H	-1.686101	3.120048	-0.741057
H	-1.686291	-2.201872	-2.332693
H	-1.687542	-0.918798	3.073129
H	-1.380456	1.289241	-3.071806
H	-1.381880	2.016930	2.652397
H	-1.381492	-3.305408	0.419906
H	-3.067968	2.493517	2.606173
H	-3.065912	1.010080	-3.463623
H	-3.067279	-3.504038	0.856975
H	-4.161204	-2.078026	2.114559
H	-4.160629	-0.791706	-2.857953
H	-4.161437	2.870222	0.743265
H	-3.998546	1.974715	-0.752620
H	-3.997821	-0.334703	2.085264
H	-3.998158	-1.638643	-1.333951
H	-2.655940	-2.840212	-0.712988
H	-2.655344	0.802296	2.816221
H	-2.655626	2.037550	-2.103265
H	-4.558415	-1.190809	0.646226
H	-4.558031	0.035803	-1.355202
H	-4.558961	1.155151	0.707547

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xyz			
P	-2.298135	-0.062600	-0.112852
N	-3.574234	-0.813180	-0.891317
N	-2.744139	1.536564	-0.194896
N	-2.279316	-0.617198	1.440788
C	-4.078693	-0.359317	-2.180884
H	-3.742509	-1.015488	-2.994816
H	-3.732921	0.654051	-2.392792
H	-5.175905	-0.357624	-2.166088
C	-3.888395	-2.204913	-0.600380
H	-3.617181	-2.451323	0.427188
H	-3.364538	-2.894581	-1.278392
H	-4.967175	-2.360435	-0.716757
C	-4.108216	2.016588	-0.028517
H	-4.803422	1.182576	0.082878
H	-4.407748	2.604093	-0.906827
H	-4.187711	2.665820	0.854151
C	-1.756461	2.607225	-0.311296
H	-0.755985	2.205512	-0.463423
H	-1.743990	3.222881	0.596483
H	-2.010576	3.243467	-1.168377
C	-1.460372	-1.733946	1.899472
H	-0.859576	-2.135029	1.086714
H	-2.102354	-2.530317	2.301597
H	-0.775711	-1.390089	2.683066
C	-3.160611	-0.081571	2.464112
H	-4.000150	-0.761829	2.665768
H	-3.558701	0.891602	2.175211
H	-2.590107	0.053568	3.390792

N	-0.866369	-0.342640	-0.796304
C	-0.919434	-0.821668	-2.191527
H	-1.499488	-1.746992	-2.281737
H	0.098688	-1.034833	-2.515359
H	-1.338749	-0.078437	-2.880001
H	-0.071759	2.266760	4.043575
C	0.604380	1.795917	3.332956
H	-0.979888	1.292244	2.007418
C	0.090997	1.229303	2.161343
H	2.376248	2.196133	4.495371
C	1.969660	1.762750	3.585397
H	0.090759	1.635978	-2.673605
H	1.743054	2.962520	-3.923767
C	1.131301	1.612800	-2.353650
C	2.064524	2.372809	-3.068223
C	0.905487	0.607233	1.211815
C	2.817041	1.183284	2.639515
C	1.508393	0.844482	-1.253002
C	3.401219	2.374213	-2.685204
C	2.294644	0.631263	1.477167
B	0.613217	-0.101133	-0.250921
H	4.130406	2.960395	-3.238480
H	3.892866	1.174621	2.804410
C	3.801088	1.622921	-1.576033
C	2.863842	0.877317	-0.875133
C	3.189185	0.074399	0.378538
H	4.842505	1.628697	-1.259067
C	1.426171	-1.522296	-0.209075
H	4.248035	0.155788	0.646159
C	2.779213	-1.365311	0.130223
H	-0.061076	-2.982858	-0.765663
C	0.977148	-2.814908	-0.477666
C	3.643883	-2.448388	0.219176
C	1.834408	-3.917231	-0.395350
H	4.687430	-2.295019	0.488521
C	3.168465	-3.735912	-0.043327
H	1.459263	-4.915459	-0.609523
H	3.839099	-4.588806	0.022187

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xyz			
P	1.193613	0.000259	0.000237
N	4.451273	0.000152	-0.000013
N	1.833553	-1.211957	0.965317
N	1.833836	-0.229332	-1.531821
N	1.833400	1.442125	0.567227
C	4.349814	-1.004812	1.030478
H	5.156039	-0.874247	1.771467
H	4.510651	-1.984828	0.565776
C	3.015378	-1.006868	1.790868
H	3.030164	-1.799278	2.549227
H	2.917869	-0.059962	2.333790
C	4.349544	1.395064	0.354950

H	5.155700	1.971558	-0.128661
H	4.510308	1.482820	1.436011
C	3.014975	2.054334	-0.023696
H	3.029679	3.107528	0.282583
H	2.917022	2.049940	-1.115177
C	4.349613	-0.389977	-1.385510
H	5.155945	-1.096802	-1.643114
H	4.509903	0.502459	-2.002037
C	3.015059	-1.047668	-1.766647
H	3.029368	-1.309416	-2.831786
H	2.917114	-1.990451	-1.216676
C	1.265016	-2.553324	0.944896
H	0.313806	-2.557286	0.409357
C	1.265867	2.094666	1.739778
H	0.315704	1.631671	2.012673
C	1.267065	0.460127	-2.683433
H	0.318767	0.931412	-2.418433
H	1.940136	2.034494	2.606249
H	1.064776	3.150173	1.521876
H	1.065613	-2.892419	1.968253
H	1.937839	-3.274037	0.458158
H	1.062897	-0.256535	-3.487649
H	1.943491	1.237993	-3.066059
H	-1.192605	4.695503	-1.415903
C	-1.662715	3.757170	-1.130969
H	0.213970	2.767867	-0.827963
C	-0.867866	2.655428	-0.796963
H	-3.669311	4.508637	-1.357002
C	-3.048793	3.654550	-1.098856
H	0.214425	-0.663857	2.811163
H	-1.191593	-1.119963	4.774461
C	-0.867433	-0.636149	2.698104
C	-1.661942	-0.898439	3.819297
C	-1.435817	1.435475	-0.427302
C	-3.640247	2.443106	-0.732777
C	-1.435691	-0.347482	1.456642
C	-3.048050	-0.876579	3.714265
C	-2.841681	1.355892	-0.404741
B	-0.771760	0.000248	-0.000009
H	-3.668396	-1.080565	4.582998
H	-4.724316	2.350381	-0.705736
C	-3.639805	-0.588686	2.482021
C	-2.841544	-0.328476	1.376379
C	-3.400239	-0.000643	-0.000550
H	-4.723901	-0.566775	2.388219
C	-1.434956	-1.087711	-1.029520
H	-4.495138	-0.000993	-0.000808
C	-2.840820	-1.028799	-0.972841
H	0.215995	-2.100651	-1.981208
C	-0.865974	-2.017863	-1.900456
C	-3.638507	-1.856860	-1.750901
C	-1.659887	-2.858333	-2.688132
H	-4.722653	-1.787406	-1.684993
C	-3.046060	-2.779534	-2.616441

H	-1.189029	-3.574260	-3.357743
H	-3.665905	-3.430393	-3.227438

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xyz

C	-0.041618	-0.041243	0.329761
N	-2.220051	0.797486	0.274414
C	-0.879760	1.042791	0.639710
N	-2.249791	-0.564019	-0.141622
C	-2.832640	1.669163	-0.704971
C	-0.960794	-1.062221	0.037374
C	-3.403146	-1.251993	0.369394
N	-0.581964	2.197507	1.240815
C	0.610192	2.360509	2.092987
C	-1.547983	3.280295	1.463908
N	-0.770770	-2.387780	-0.035706
C	0.354570	-3.082884	0.613294
C	-1.569527	-3.294848	-0.870528
C	-3.411316	-1.742744	1.674003
C	-4.508394	-1.408994	-0.458624
C	-4.535264	-2.412397	2.145246
C	-5.649382	-2.575564	1.320078
C	-5.637660	-2.069533	0.022239
C	-4.130907	2.112688	-0.483901
C	-2.139983	2.022301	-1.861829
C	-4.743255	2.935142	-1.427420
C	-4.052771	3.309599	-2.578724
C	-2.752350	2.852572	-2.795349
C	-0.897630	4.151552	2.545082
C	0.597343	3.848909	2.403179
C	0.084243	-4.555195	0.298162
C	-0.641930	-4.495558	-1.049051
H	-2.535868	-1.606923	2.303618
H	-4.544403	-2.806329	3.157303
H	-6.525698	-3.099236	1.690759
H	-6.503414	-2.196105	-0.621026
H	-4.470121	-1.019615	-1.471456
H	-4.645580	1.814282	0.424642
H	-5.756897	3.287092	-1.259748
H	-4.527928	3.957414	-3.309592
H	-2.213754	3.139905	-3.693392
H	-1.132108	1.647583	-2.024607
H	-2.515359	2.870357	1.774934
H	-1.702214	3.838051	0.533028
H	-1.142590	5.208788	2.414672
H	-1.248478	3.844000	3.536913
H	1.030867	4.399618	1.560243
H	1.171709	4.086269	3.301960
H	1.513856	2.031661	1.588818
H	0.478995	1.754802	3.000340
H	0.358368	-2.860489	1.683363
H	1.308103	-2.758123	0.194770
H	1.010701	-5.132923	0.259484

H	-0.566981	-5.001824	1.059532
H	0.076273	-4.298944	-1.851810
H	-1.194565	-5.409114	-1.285442
H	-1.836271	-2.800468	-1.810666
H	-2.495966	-3.591303	-0.363362
H	2.608985	-1.431544	4.597621
C	2.959720	-1.193462	3.595526
H	0.986737	-0.768753	2.847863
C	2.048694	-0.818489	2.603588
H	5.032845	-1.553916	4.066748
C	4.319547	-1.261812	3.300061
H	0.646864	2.730668	-0.845922
H	2.051585	4.563327	-1.667463
C	1.721289	2.572968	-0.902267
C	2.516816	3.626381	-1.367610
C	2.468579	-0.508195	1.310724
C	4.763913	-0.948311	2.013227
C	2.273348	1.354319	-0.501973
C	3.896180	3.475779	-1.450518
C	3.843315	-0.574879	1.040538
B	1.567267	-0.046669	0.031493
H	4.520151	4.291559	-1.806495
H	5.825403	-0.993252	1.775071
C	4.472017	2.252075	-1.097042
C	3.670483	1.211871	-0.647217
C	4.208715	-0.191997	-0.378994
H	5.546730	2.107470	-1.193759
C	2.036145	-1.002680	-1.231185
H	5.288874	-0.247668	-0.552829
C	3.438882	-1.086913	-1.344183
H	0.201808	-1.510369	-2.244544
C	1.284799	-1.614350	-2.235225
C	4.051607	-1.832116	-2.342832
C	1.888105	-2.357677	-3.255601
H	5.137847	-1.880465	-2.397786
C	3.271890	-2.491073	-3.297694
H	1.272776	-2.824269	-4.022551
H	3.745922	-3.072929	-4.084058

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xyz			
C	-3.511263	0.901800	3.734805
C	-3.939696	0.591461	2.443030
C	-3.010575	0.348971	1.432559
C	-1.624210	0.413710	1.701561
C	-1.221931	0.724638	3.001584
C	-2.150014	0.968933	4.017488
Al	-0.746283	-0.004343	-0.010001
C	-1.641834	1.268277	-1.214913
C	-1.253530	2.240053	-2.138741
C	-2.192495	2.996859	-2.844872
C	-3.550581	2.783288	-2.627165
C	-3.965066	1.818282	-1.707657

C	-3.025266	1.065147	-1.005674
C	-3.490661	0.004406	0.009995
C	-3.028873	-1.405033	-0.406361
C	-1.646148	-1.685929	-0.496149
C	-1.261168	-2.971580	-0.880137
C	-2.202710	-3.963203	-1.168577
C	-3.560046	-3.669797	-1.074097
C	-3.971211	-2.391224	-0.693781
P	1.658238	-0.004465	-0.008850
N	2.273881	-0.961083	-1.241877
C	1.664982	-0.883788	-2.563987
N	2.266142	1.545181	-0.217808
C	1.649546	2.648799	0.508303
N	2.263654	-0.594355	1.440115
C	1.650399	-1.777262	2.031480
C	3.459803	1.828858	-1.001318
C	4.775669	1.402779	-0.333751
N	4.821845	0.001484	0.002789
C	4.772290	-0.407856	1.384391
C	3.451520	-0.050254	2.081905
C	4.782448	-0.990412	-1.042916
C	3.466682	-1.781209	-1.087728
H	5.604655	1.670448	-1.010387
H	4.924608	1.979758	0.586370
H	3.477636	2.905931	-1.205211
H	3.378645	1.328490	-1.973756
H	5.610144	-1.710844	-0.930489
H	4.938766	-0.482082	-2.001522
H	3.490448	-2.496078	-1.918616
H	3.378887	-2.373351	-0.168889
H	5.596203	0.049317	1.957875
H	4.927491	-1.492312	1.424840
H	3.467699	-0.411569	3.116868
H	3.363468	1.041634	2.133747
H	0.731341	2.315209	1.003487
H	0.739303	-0.299545	-2.524624
H	0.732211	-2.040301	1.495403
H	2.331783	-0.403304	-3.293441
H	1.406216	-1.885517	-2.925508
H	1.376784	3.456111	-0.180913
H	2.318119	3.051255	1.281950
H	1.377676	-1.585862	3.075558
H	2.320786	-2.647055	1.991834
H	-1.879307	-4.958352	-1.465311
H	-0.201043	-3.216602	-0.961072
H	-4.301590	-4.433127	-1.296030
H	-0.192682	2.421099	-2.318627
H	-1.866486	3.748477	-3.560269
H	-4.290129	3.366075	-3.170548
H	-5.034267	-2.166672	-0.622475
H	-5.028654	1.655927	-1.540329
H	-4.585846	0.007804	0.017495
H	-0.158406	0.778625	3.239513
H	-5.005704	0.539325	2.227418

H	-1.813194	1.209885	5.023227
H	-4.242467	1.089781	4.517003

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xyz

C	3.270709	-2.643720	-3.440260
C	4.003883	-1.790221	-2.614229
C	3.381862	-1.114678	-1.564814
C	2.004420	-1.289300	-1.301697
C	1.294060	-2.130948	-2.162205
C	1.906268	-2.807351	-3.221089
Al	1.531334	-0.150826	0.274388
C	2.274773	1.548953	-0.492888
C	1.778200	2.834070	-0.738385
C	2.552726	3.835062	-1.331891
C	3.867587	3.559963	-1.693764
C	4.390029	2.284816	-1.472515
C	3.607726	1.289144	-0.888170
C	4.186758	-0.123812	-0.710122
C	4.225983	-0.543399	0.765280
C	3.016559	-0.632500	1.488273
C	3.090288	-1.017835	2.829589
C	4.309367	-1.308543	3.448600
C	5.490293	-1.214881	2.716996
C	5.446551	-0.832091	1.375404
C	-0.396967	-0.162205	0.835896
C	-1.174140	1.000259	0.915807
N	-2.461979	0.831307	0.380177
N	-2.525903	-0.542228	-0.006841
C	-1.315867	-1.114636	0.365949
C	-2.868576	1.714005	-0.691702
C	-4.169377	2.203214	-0.696984
C	-4.579660	3.041766	-1.731617
C	-3.686050	3.389400	-2.743141
C	-2.382683	2.891350	-2.729076
C	-1.970661	2.043072	-1.706361
N	-0.829770	2.179281	1.436392
C	0.375411	2.321475	2.273789
C	0.355438	3.795643	2.662174
C	-1.139459	4.117620	2.745465
C	-1.736221	3.324952	1.579856
C	-3.795029	-1.144180	0.292880
C	-4.085482	-1.562557	1.590345
C	-5.316723	-2.150877	1.858736
C	-6.254951	-2.304976	0.836586
C	-5.961520	-1.870154	-0.454057
C	-4.725027	-1.289173	-0.729814
N	-1.141771	-2.438085	0.297416
C	-0.001425	-3.102029	0.953344
C	-0.316847	-4.585293	0.771315
C	-1.038968	-4.616216	-0.579990
C	-1.926078	-3.370209	-0.524363
H	-3.343176	-1.433477	2.373722

H	-5.546581	-2.488654	2.864955
H	-7.215507	-2.765235	1.048675
H	-6.691503	-1.988498	-1.249209
H	-4.468703	-0.952202	-1.729622
H	-4.844103	1.927842	0.108265
H	-5.594352	3.428674	-1.742303
H	-4.004206	4.050619	-3.543855
H	-1.683546	3.160558	-3.514978
H	-0.958090	1.645709	-1.691394
H	-2.756190	2.978922	1.774930
H	-1.747627	3.913256	0.654515
H	-1.358593	5.185536	2.666779
H	-1.551242	3.755036	3.694566
H	0.835419	4.387766	1.874515
H	0.889314	3.978072	3.597735
H	1.278233	2.052932	1.725497
H	0.283496	1.657436	3.143760
H	0.061676	-2.781684	1.997121
H	0.936683	-2.842980	0.453171
H	0.589625	-5.194706	0.784376
H	-0.982298	-4.939206	1.568081
H	-0.309950	-4.527047	-1.392052
H	-1.624916	-5.525550	-0.737982
H	-2.124384	-2.929950	-1.507484
H	-2.887775	-3.595742	-0.049390
H	4.338165	-1.605932	4.494794
H	2.174046	-1.095233	3.417113
H	6.445344	-1.438224	3.186535
H	0.751190	3.078019	-0.460462
H	2.131398	4.822653	-1.509617
H	4.484984	4.328872	-2.151793
H	6.372057	-0.759544	0.805731
H	5.416012	2.066702	-1.765497
H	5.216705	-0.114653	-1.084519
H	0.221356	-2.262675	-2.016489
H	5.067781	-1.647146	-2.797933
H	1.321463	-3.453124	-3.873537
H	3.763319	-3.166223	-4.256670

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xyz			
C	-3.076347	-0.600616	-0.956128
C	-1.817798	-0.147113	-0.560174
C	-1.473832	-0.422724	0.767504
C	-2.280171	-1.092085	1.677548
C	-3.530444	-1.525187	1.239691
C	-3.920979	-1.277914	-0.073063
B	-0.693759	0.654694	-1.425474
N	-1.160376	0.923778	-2.886929
C	-0.481841	1.480255	-3.872303
N	0.715502	2.050210	-3.657213
S	0.152613	0.150655	1.289891
C	0.033108	1.855917	0.738062

C	-0.404343	2.024152	-0.577659
C	-0.586795	3.347971	-0.984897
C	-0.318525	4.416291	-0.125540
C	0.134457	4.193266	1.172591
C	0.307473	2.887045	1.626545
C	1.129565	-0.539015	-0.051278
C	0.648938	-0.275665	-1.336034
C	1.350799	-0.890453	-2.375720
C	2.469634	-1.688464	-2.126784
C	2.920442	-1.901653	-0.826014
C	2.235055	-1.326882	0.242131
N	-0.958202	1.497941	-5.137506
H	2.553454	-1.498201	1.266287
H	3.790240	-2.522927	-0.639764
H	2.990493	-2.155923	-2.957356
H	1.014277	-0.767432	-3.402424
H	0.638716	2.688323	2.641645
H	0.339933	5.027863	1.834771
H	-0.472375	5.434174	-0.471649
H	-0.958123	3.559633	-1.984717
H	-1.953019	-1.275041	2.696890
H	-4.190530	-2.051798	1.920846
H	-4.894092	-1.616091	-0.416380
H	-3.432164	-0.438234	-1.971954
H	1.113566	2.029023	-2.728202
H	-0.599804	2.158516	-5.810943
H	-2.104627	0.654964	-3.131942
H	1.355937	2.198537	-4.422357
H	-1.848429	1.076550	-5.355210

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xyz			
C	-2.893428	-1.875511	3.485788
C	-3.571900	-1.296964	2.416687
C	-2.814641	-0.744174	1.391672
C	-1.416150	-0.716116	1.338419
C	-0.779724	-1.310890	2.433740
C	-1.501855	-1.879048	3.485006
B	-0.786342	0.000001	-0.000067
C	-1.416556	1.517012	-0.049104
C	-0.780396	2.763100	-0.082178
C	-1.502845	3.957434	-0.115329
C	-2.894413	3.956004	-0.118039
C	-3.572604	2.740703	-0.084379
C	-2.815079	1.576789	-0.050929
S	-3.665839	-0.000197	0.000510
C	-2.815197	-0.832926	-1.339706
C	-1.416679	-0.800993	-1.289276
C	-0.780657	-1.452000	-2.352367
C	-1.503179	-2.078000	-3.369972
C	-2.894748	-2.080281	-3.366837
C	-3.572822	-1.443923	-2.330835
P	1.211832	-0.000175	-0.000248

C	1.912216	0.435261	1.622969
C	1.272354	1.388828	2.423754
C	1.814978	1.740555	3.655012
C	2.993641	1.142102	4.097709
C	3.628111	0.185859	3.308413
C	3.089956	-0.170146	2.074106
C	1.912152	-1.623684	-0.434730
C	1.271520	-2.794098	-0.010709
C	1.814217	-4.036174	-0.322058
C	2.993668	-4.120164	-1.060444
C	3.628993	-2.958363	-1.492329
C	3.090776	-1.711521	-1.183235
C	1.912273	1.187930	-1.188842
C	3.089753	1.881625	-0.889833
C	3.627671	2.773129	-1.814879
C	2.993238	2.978821	-3.037640
C	1.814973	2.295729	-3.334983
C	1.272568	1.404699	-2.415160
H	0.339262	-2.745717	0.542808
H	3.587463	-0.812274	-1.535763
H	1.309377	-4.939666	0.005588
H	4.543187	-3.019284	-2.074605
H	3.412952	-5.091322	-1.305092
H	3.585724	1.738247	0.065719
H	0.341113	0.899989	-2.650648
H	4.541007	3.309022	-1.575812
H	1.310780	2.462812	-4.281759
H	3.412314	3.676580	-3.756191
H	0.340478	1.844402	2.104613
H	3.585841	-0.926137	1.472278
H	1.310664	2.476880	4.273044
H	4.541652	-0.288773	3.652932
H	3.412907	1.415955	5.061050
H	-0.966026	-2.571964	-4.174287
H	0.302488	-1.490502	-2.403822
H	-3.449562	-2.570125	-4.160213
H	0.302740	2.826755	-0.090740
H	-0.965653	4.900941	-0.141562
H	-3.449088	4.888098	-0.145495
H	-4.658441	-1.426552	-2.301566
H	-4.658224	2.706805	-0.083434
H	0.303416	-1.335899	2.492588
H	-4.657528	-1.280514	2.387320
H	-0.964396	-2.328171	4.314998
H	-3.447898	-2.317449	4.307047

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xyz			
C	-2.679285	-2.134041	3.320717
C	-3.330630	-1.451984	2.298116
C	-2.556615	-0.833618	1.323982
C	-1.154447	-0.825781	1.266298
C	-0.561195	-1.544222	2.303640

C	-1.290728	-2.179242	3.309536
B	-0.476738	-0.000038	0.000098
C	-1.154159	1.509578	0.081864
C	-0.560588	2.766971	0.184996
C	-1.289621	3.955891	0.231792
C	-2.678183	3.943494	0.187231
C	-3.329960	2.717043	0.108170
C	-2.556282	1.563953	0.059856
S	-3.409814	0.000375	-0.000240
C	-2.556334	-0.729598	-1.384365
C	-1.154192	-0.683801	-1.348219
C	-0.560646	-1.223702	-2.488501
C	-1.289862	-1.777535	-3.541500
C	-2.678449	-1.809320	-3.508596
C	-3.330125	-1.264198	-2.407060
P	1.729678	-0.000038	0.000030
C	2.470296	1.199410	-1.365373
C	2.484932	2.705459	-0.979929
C	2.469816	0.582801	1.721615
C	3.923079	1.092966	1.589056
C	2.470287	-1.782247	-0.355902
C	3.923408	-1.922555	0.152791
C	2.484512	-0.504188	2.833015
C	1.619646	1.721942	2.319319
C	1.619733	-2.869460	0.331343
C	2.485759	-2.201209	-1.852999
C	3.923814	0.829599	-1.740076
C	1.620504	1.147253	-2.650994
H	3.301109	-0.263307	3.521541
H	1.567893	-0.478355	3.422150
H	2.652272	-1.525665	2.501033
H	1.961047	1.883752	3.348401
H	1.736256	2.674934	1.803633
H	0.556578	1.470105	2.362952
H	4.225671	1.475877	2.570241
H	4.629302	0.307133	1.319428
H	4.042919	1.915458	0.887621
H	1.961049	-3.841554	-0.043193
H	1.735954	-2.899708	1.414527
H	0.556704	-2.781117	0.091278
H	3.302739	-2.917576	-1.988317
H	1.569511	-2.724738	-2.125599
H	2.653399	-1.402907	-2.571572
H	4.043369	-1.724793	1.215506
H	4.225428	-2.964146	-0.004578
H	4.630174	-1.297473	-0.393772
H	4.226573	1.487085	-2.562848
H	4.629560	0.990080	-0.924490
H	4.044173	-0.189481	-2.100340
H	1.961997	1.957478	-3.305721
H	1.737105	0.224052	-3.218290
H	0.557384	1.310909	-2.454944
H	2.653094	2.928992	0.070593
H	3.301305	3.181172	-1.533237

H	1.568227	3.202660	-1.296723
H	-0.759081	-2.182721	-4.398311
H	0.508540	-1.202671	-2.579997
H	-3.247950	-2.239289	-4.325699
H	0.508557	2.835623	0.249794
H	-0.758722	4.900409	0.309751
H	-3.247581	4.866175	0.223345
H	-4.414758	-1.254627	-2.349347
H	-4.414594	2.662384	0.087244
H	0.507935	-1.634954	2.330930
H	-4.415246	-1.406348	2.260969
H	-0.760212	-2.719372	4.088544
H	-3.249036	-2.626684	4.101455

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xyz

C	2.881425	-3.926159	-0.121859
C	3.477917	-2.695807	0.136370
C	2.672410	-1.564176	0.076556
C	1.309807	-1.550716	-0.215421
C	0.756642	-2.809738	-0.473578
C	1.522405	-3.974788	-0.427278
B	0.537147	-0.093111	-0.242702
C	1.417185	0.855268	-1.273635
C	0.955088	1.632964	-2.340051
C	1.819537	2.405883	-3.117223
C	3.187068	2.432846	-2.855178
C	3.691580	1.690046	-1.790841
C	2.792629	0.937552	-1.045629
S	3.387615	0.042725	0.393335
C	2.201774	0.675507	1.582688
C	0.845805	0.623267	1.220126
C	0.001001	1.264809	2.134957
C	0.469853	1.852136	3.311285
C	1.822215	1.835167	3.633539
C	2.712873	1.244876	2.742883
N	-0.936600	-0.307340	-0.765333
C	-1.008938	-0.792325	-2.164559
P	-2.401917	-0.046990	-0.100826
N	-2.369051	-0.545519	1.471348
C	-3.316560	-0.019928	2.447182
N	-3.630173	-0.853530	-0.876093
C	-3.941115	-2.237744	-0.534332
N	-2.869688	1.536688	-0.236019
C	-1.909169	2.634297	-0.317416
C	-4.165136	-0.439060	-2.170866
C	-4.254603	1.988738	-0.119112
C	-1.584636	-1.668810	1.972631
H	-3.839219	-1.119083	-2.967885
H	-3.834115	0.570104	-2.420599
H	-5.260388	-0.446634	-2.132820
H	-3.680855	-2.448583	0.503422
H	-3.410726	-2.946929	-1.185284

H	-5.017192	-2.400418	-0.653841
H	-4.932608	1.142996	0.002185
H	-4.543038	2.541537	-1.021402
H	-4.368308	2.659708	0.741631
H	-0.893880	2.259377	-0.433650
H	-1.948708	3.252951	0.587541
H	-2.148559	3.264467	-1.182016
H	-0.950610	-2.080139	1.191444
H	-2.246098	-2.460262	2.348722
H	-0.940117	-1.328759	2.791426
H	-4.167019	-0.699552	2.588938
H	-3.692977	0.957929	2.145669
H	-2.803498	0.100071	3.407970
H	-1.576842	-1.724470	-2.241896
H	0.001249	-0.992348	-2.519482
H	-1.458913	-0.059497	-2.842860
H	-0.237129	2.332997	3.981766
H	-1.061434	1.313344	1.942300
H	2.183712	2.287969	4.550815
H	-0.104529	1.645837	-2.576051
H	1.419213	2.995024	-3.937351
H	3.855010	3.032528	-3.464690
H	3.780089	1.238861	2.945219
H	4.750960	1.705862	-1.551317
H	-0.298146	-2.890999	-0.722494
H	4.535427	-2.625721	0.374417
H	1.053959	-4.932779	-0.634305
H	3.472709	-4.835300	-0.087753

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xyz			
C	-2.813861	-3.746160	-1.274640
C	-3.488769	-2.592261	-0.886985
C	-2.728858	-1.490573	-0.513960
C	-1.330433	-1.434186	-0.494230
C	-0.698397	-2.619246	-0.889969
C	-1.422242	-3.750471	-1.271193
B	-0.685228	-0.000037	0.000088
C	-1.330550	0.288972	1.489072
C	-0.698436	0.538600	2.713224
C	-1.422212	0.774000	3.883539
C	-2.813838	0.769109	3.881494
C	-3.488819	0.528307	2.688288
C	-2.728946	0.300434	1.547688
S	-3.579696	0.000133	-0.000267
C	-2.728683	1.190388	-1.034214
C	-1.330258	1.145197	-0.994795
C	-0.698025	2.080722	-1.822804
C	-1.421742	2.976510	-2.611953
C	-2.813351	2.977131	-2.607041
C	-3.488440	2.064255	-1.801981
P	1.312721	0.000178	0.000141
N	1.916867	1.554728	-0.105906

C	1.377380	2.630479	0.719166
N	1.916512	-0.685159	1.399446
C	1.376454	-1.937145	1.918872
N	1.916514	-0.869056	-1.293095
C	1.376780	-0.693195	-2.637270
C	3.109432	-0.164262	2.067503
C	4.430747	-0.483880	1.356112
N	4.471395	-0.000337	-0.000276
C	4.430511	-0.933302	-1.097095
C	3.108904	-1.708695	-1.175651
C	4.430872	1.416078	-0.259773
C	3.109381	1.872648	-0.891672
H	5.251356	-0.055792	1.953285
H	4.591043	-1.567842	1.341044
H	3.121578	-0.574806	3.083574
H	3.016263	0.921967	2.171823
H	5.251160	1.718929	-0.929592
H	4.591828	1.945033	0.686391
H	3.121727	2.957857	-1.044180
H	3.015503	1.419715	-1.884431
H	5.250842	-1.664791	-1.024662
H	4.591077	-0.378539	-2.028447
H	3.120751	-2.383742	-2.038941
H	3.015416	-2.341655	-0.286728
H	0.420832	-2.170977	1.446690
H	0.421067	2.339341	1.156823
H	0.421763	-0.166253	-2.604524
H	2.059841	2.902878	1.535142
H	1.199025	3.518648	0.102807
H	1.196538	-1.846592	2.995907
H	2.059340	-2.779980	1.748371
H	1.195954	-1.671333	-3.096739
H	2.060464	-0.125332	-3.282155
H	-0.887042	3.683927	-3.239263
H	0.385549	2.121857	-1.855954
H	-3.369691	3.676762	-3.221996
H	0.385118	0.547324	2.765398
H	-0.887602	0.963760	4.809865
H	-3.370285	0.951772	4.794842
H	-4.574013	2.037337	-1.777816
H	-4.574388	0.520724	2.652805
H	0.385153	-2.668995	-0.908473
H	-4.574336	-2.557650	-0.875951
H	-0.887651	-4.647656	-1.569767
H	-3.370334	-4.628480	-1.573022

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xyz

C	3.105412	-2.611191	-3.289354
C	3.946375	-1.982420	-2.375087
C	3.359627	-1.204190	-1.384183
C	1.985276	-1.014176	-1.205605
C	1.187886	-1.605020	-2.192560

C	1.731930	-2.392287	-3.207737
B	1.518151	-0.009954	0.026839
C	2.192788	1.381379	-0.578553
C	1.556847	2.529849	-1.065329
C	2.272761	3.605079	-1.593863
C	3.662945	3.574690	-1.668752
C	4.338975	2.434590	-1.242052
C	3.585505	1.387369	-0.726136
S	4.421713	-0.167967	-0.366787
C	3.769442	-0.510060	1.258878
C	2.384780	-0.406800	1.360529
C	1.869792	-0.647162	2.639260
C	2.695247	-0.970872	3.714511
C	4.078069	-1.067768	3.551251
C	4.636342	-0.831956	2.299281
C	-0.087483	-0.007976	0.315096
C	-0.947716	1.074579	0.596256
N	-2.274606	0.765728	0.278264
N	-2.274832	-0.597973	-0.102744
C	-0.987544	-1.066435	0.068130
C	-3.031362	1.598676	-0.631066
C	-4.328906	1.958318	-0.289043
C	-5.074969	2.736738	-1.171203
C	-4.518986	3.147461	-2.381410
C	-3.219060	2.770736	-2.720479
C	-2.472676	1.985465	-1.847378
N	-0.670429	2.268715	1.135942
C	0.516434	2.497327	1.980458
C	0.456076	3.992302	2.250741
C	-1.045507	4.239709	2.415043
C	-1.687003	3.308508	1.379542
C	-3.445535	-1.305640	0.340437
C	-3.531224	-1.754533	1.656626
C	-4.667048	-2.443627	2.067774
C	-5.712524	-2.664534	1.169410
C	-5.623414	-2.196243	-0.139650
C	-4.482931	-1.514605	-0.559977
N	-0.759926	-2.390466	0.020538
C	0.349646	-3.054785	0.723905
C	0.082046	-4.541792	0.481457
C	-0.626197	-4.552070	-0.875883
C	-1.555535	-3.345478	-0.768866
H	-2.709176	-1.571112	2.343588
H	-4.740314	-2.806102	3.088557
H	-6.598404	-3.202194	1.493170
H	-6.438447	-2.365299	-0.836450
H	-4.387751	-1.148753	-1.577812
H	-4.741013	1.631041	0.660769
H	-6.088993	3.024102	-0.911300
H	-5.100280	3.759217	-3.064430
H	-2.789467	3.083854	-3.667168
H	-1.465813	1.666230	-2.106098
H	-2.613377	2.853744	1.745045
H	-1.913526	3.831202	0.444629

H	-1.333096	5.281297	2.255652
H	-1.361889	3.955445	3.424476
H	0.851231	4.539324	1.386691
H	1.037301	4.275152	3.131353
H	1.432716	2.187972	1.487175
H	0.409751	1.918555	2.908156
H	0.335608	-2.783208	1.782387
H	1.315445	-2.759371	0.308032
H	1.005600	-5.125058	0.489106
H	-0.580962	-4.943920	1.255883
H	0.099796	-4.403382	-1.682376
H	-1.176134	-5.476228	-1.069088
H	-1.820856	-2.902744	-1.734738
H	-2.481807	-3.617181	-0.251056
H	2.258665	-1.150370	4.693259
H	0.795234	-0.579634	2.793128
H	4.716184	-1.321361	4.391632
H	0.475540	2.602524	-1.021676
H	1.734899	4.477191	-1.955923
H	4.215399	4.415099	-2.076172
H	5.709612	-0.895395	2.143664
H	5.419701	2.363252	-1.326117
H	0.115478	-1.440283	-2.183593
H	5.025594	-2.081513	-2.449686
H	1.074027	-2.833282	-3.952022
H	3.522445	-3.230534	-4.076770

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xyz

N	-2.383417	4.224824	1.310054
H	-2.742773	4.150181	0.369810
H	-3.041280	3.991308	2.041697
N	-0.658677	5.541102	0.545796
H	0.050269	6.240877	0.705831
H	-0.439668	4.848668	-0.154950
N	-1.405602	5.772950	2.739940
H	-0.604357	6.374097	2.886280
C	-1.481085	5.193571	1.566917
F	-6.964200	5.957563	5.700111
F	-4.346331	2.749039	7.417035
F	-3.634012	7.030040	8.460782
F	-4.884639	5.250516	7.049285
C	-6.135878	6.108495	4.664838
C	-3.490790	2.874721	6.400405
C	-2.804776	7.146624	7.421817
F	-7.996179	6.864651	3.415769
F	-2.876198	0.621384	6.768913
F	-1.627462	8.771047	8.674000
C	-4.037926	5.369615	5.983771
C	-6.693650	6.589950	3.479283
C	-2.725276	1.752038	6.079530
C	-1.758777	8.063896	7.551657
C	-4.782196	5.819281	4.724698

C	-3.333976	4.046052	5.677899
C	-2.941063	6.411825	6.255935
C	-5.888856	6.793114	2.373384
C	-1.799292	1.818350	5.054290
C	-0.857487	8.238318	6.516433
C	-3.950502	5.990689	3.600527
C	-2.421341	4.123138	4.608499
C	-2.034180	6.580157	5.192566
B	-2.384672	5.616883	3.927832
F	-6.413525	7.269316	1.242636
F	-1.051263	0.753654	4.760096
F	0.143126	9.111098	6.637689
C	-4.529040	6.499244	2.454262
C	-1.653947	3.006644	4.340271
C	-1.013859	7.489349	5.353304
F	-3.800477	6.752284	1.341750
F	-0.707975	3.013769	3.375491
F	-0.100028	7.693267	4.365227

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xyz			
C	2.405101	-3.083790	-2.262876
C	2.999848	-2.056551	-1.530588
C	2.211659	-1.146387	-0.844661
C	0.802766	-1.223122	-0.869665
C	0.252863	-2.266611	-1.592889
C	1.028986	-3.191275	-2.289619
B	0.116949	0.000196	0.000091
C	0.802621	1.365002	-0.624738
C	0.252543	2.513158	-1.166404
C	1.028514	3.578993	-1.618838
C	2.404644	3.502121	-1.539447
C	2.999552	2.354232	-1.016355
C	2.211530	1.304937	-0.571256
C	2.764874	0.000392	-0.000488
C	2.212061	-0.157523	1.414830
C	0.803200	-0.141165	1.494205
C	0.253737	-0.246109	2.759659
C	1.030285	-0.387160	3.908546
C	2.406365	-0.417520	3.801632
C	3.000651	-0.296670	2.545686
P	-1.885005	0.000047	0.000330
C	-2.585644	-0.161315	-1.678685
C	-1.839273	0.229549	-2.793860
C	-2.371066	0.102258	-4.072264
C	-3.650722	-0.417951	-4.250771
C	-4.392494	-0.824792	-3.145009
C	-3.860169	-0.704398	-1.864547
C	-2.585203	-1.373754	0.979410
C	-1.838637	-2.534963	1.197801
C	-2.370064	-3.578894	1.946869
C	-3.649609	-3.473880	2.486975
C	-4.391640	-2.312894	2.287067

C	-3.859681	-1.263750	1.542890
C	-2.586084	1.534600	0.700232
C	-3.861090	1.966108	0.323365
C	-4.394120	3.134861	0.859439
C	-3.652612	3.889693	1.764335
C	-2.372490	3.476025	2.125068
C	-1.839987	2.305636	1.595953
H	-0.830600	-2.626630	0.809459
H	-4.436507	-0.350940	1.427743
H	-1.777360	-4.473132	2.114027
H	-5.382098	-2.214392	2.721215
H	-4.061577	-4.289540	3.073751
H	-4.437481	1.408990	-0.409181
H	-0.831385	2.016736	1.869023
H	-5.384997	3.460430	0.557180
H	-1.780147	4.068971	2.815317
H	-4.065410	4.805474	2.176979
H	-0.831059	0.611356	-2.679505
H	-4.436675	-1.060771	-1.016099
H	-1.778532	0.404056	-4.930589
H	-5.382988	-1.250065	-3.276345
H	-4.062942	-0.518730	-5.250388
F	0.449316	-0.487047	5.104516
F	-1.075875	-0.192968	2.967520
F	3.161311	-0.552145	4.890892
F	-1.077195	2.665955	-1.316017
F	0.446965	4.664467	-2.130102
F	3.159060	4.513074	-1.967671
F	4.334680	-0.323558	2.511917
F	4.333601	2.339071	-0.976676
F	4.130798	0.000526	-0.000706
F	-1.076798	-2.473083	-1.650135
F	4.333888	-2.014419	-1.537255
F	0.447582	-4.177088	-2.973719
F	3.159646	-3.960126	-2.924121

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xyz			
P	2.563742	0.000190	0.000159
C	3.325661	-1.701037	-0.623525
C	3.325076	1.391645	-1.161034
C	3.324577	0.310939	1.785937
C	3.541941	-1.874452	-2.163852
H	3.259013	-1.035389	-2.786027
H	4.597559	-2.080089	-2.364986
H	2.971899	-2.733485	-2.523367
C	2.356209	-2.812018	-0.175343
H	2.740510	-3.774930	-0.531928
H	2.250581	-2.883680	0.905458
H	1.358918	-2.673616	-0.604670
C	4.722115	-1.970927	-0.016392
H	5.034378	-2.966147	-0.355552
H	5.466322	-1.260262	-0.383635

H	4.761112	-1.982453	1.067075
C	2.354621	1.559032	-2.346398
H	2.738754	2.348553	-3.002993
H	2.247934	0.658477	-2.948028
H	1.357772	1.862379	-2.011149
C	3.541477	2.812047	-0.540510
H	4.597549	3.088052	-0.615044
H	2.973757	3.553413	-1.106476
H	3.255633	2.931720	0.496327
C	4.721134	1.001779	-1.699831
H	4.759775	0.070696	-2.253890
H	5.033073	1.794755	-2.390398
H	5.465633	0.962434	-0.901253
C	4.720600	0.972477	1.716390
H	5.033226	1.175609	2.747883
H	5.464719	0.299814	1.283424
H	4.758767	1.916883	1.185326
C	2.354106	1.254108	2.523107
H	2.738133	1.428234	3.535143
H	2.247132	2.225306	2.043787
H	1.357412	0.811849	2.618173
C	3.541154	-0.936117	2.706557
H	2.970458	-0.818465	3.629948
H	3.258587	-1.894511	2.290884
H	4.596679	-1.007086	2.985673
F	-4.200228	2.445915	0.435897
F	-4.199525	-0.848281	-2.336522
F	-4.199254	-1.599904	1.903116
F	-3.973605	-0.000421	0.000387
C	-2.866929	2.505751	0.412095
C	-2.866193	-0.897477	-2.376167
C	-2.865878	-1.609672	1.965192
F	-3.081723	4.834382	0.771449
F	-3.080067	-1.750919	-4.572482
F	-3.078863	-3.085656	3.802111
C	-2.608644	-0.000327	0.000175
C	-2.305648	3.768578	0.589301
C	-2.304388	-1.374909	-3.558400
C	-2.303649	-2.395053	2.969344
C	-2.056335	1.396648	0.223870
C	-2.056008	-0.505142	-1.321452
C	-2.055909	-0.892140	1.098060
C	-0.934789	3.892261	0.564352
C	-0.933451	-1.456982	-3.653175
C	-0.932646	-2.435969	3.087205
C	-0.642673	1.484176	0.211550
C	-0.642337	-0.558287	-1.391297
C	-0.642215	-0.925517	1.178726
B	0.077635	0.000223	-0.000318
F	-0.358418	5.085779	0.717363
F	-0.356665	-1.920628	-4.763335
F	-0.355330	-3.165970	4.043206
C	-0.146916	2.758682	0.373554
C	-0.146006	-1.054650	-2.576049

C	-0.145555	-1.703912	2.200293
F	1.168691	3.000033	0.339990
F	1.169756	-1.203076	-2.768081
F	1.170276	-1.796055	2.424211

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xyz

P	3.020958	-0.013339	-0.226616
N	4.160049	1.088173	-0.757754
N	3.732820	-1.441704	-0.661503
N	2.878866	0.157368	1.410026
C	4.794934	0.992799	-2.066513
H	4.488981	1.825052	-2.713352
H	4.528011	0.058087	-2.561878
H	5.886242	1.026151	-1.951499
C	4.397332	2.366592	-0.101649
H	4.053389	2.345009	0.931400
H	3.892328	3.189557	-0.621594
H	5.475957	2.564949	-0.093609
C	5.153692	-1.708086	-0.482643
H	5.656170	-0.853638	-0.025987
H	5.626342	-1.912570	-1.452414
H	5.298485	-2.586446	0.159293
C	2.993345	-2.559435	-1.237104
H	3.426289	-2.814163	-2.212987
H	1.949236	-2.290619	-1.379922
H	3.048812	-3.436584	-0.583125
C	2.116147	1.210256	2.071583
H	2.778916	1.809754	2.710189
H	1.330215	0.771396	2.696960
H	1.650029	1.871753	1.347507
C	3.704820	-0.614982	2.328560
H	4.565116	-0.028324	2.680711
H	4.058697	-1.533477	1.863071
H	3.097306	-0.900343	3.194339
N	1.560847	0.117107	-0.939212
C	1.646021	0.639193	-2.321160
H	2.195220	1.581543	-2.361378
H	0.637848	0.837226	-2.684786
H	2.108968	-0.083957	-2.999456
F	-4.686759	-0.921651	-1.143941
F	-3.272064	-0.977518	3.084216
F	-3.797631	2.802754	0.971384
F	-3.731321	0.243774	0.908884
C	-3.423430	-1.055729	-1.557702
C	-2.045287	-1.198137	2.604071
C	-2.528945	2.759579	0.556854
F	-4.272168	-2.298768	-3.384076
F	-1.705357	-2.650116	4.443818
F	-2.537200	5.126178	0.592099
C	-2.435992	0.191766	0.473755
C	-3.228200	-1.785622	-2.730993
C	-1.247290	-2.085634	3.325629

C	-1.890456	3.982635	0.364500
C	-2.337838	-0.523076	-0.881572
C	-1.561467	-0.607440	1.446614
C	-1.844462	1.578111	0.315713
C	-1.945830	-1.991521	-3.199029
C	0.004031	-2.410475	2.842092
C	-0.576478	3.999039	-0.061983
C	-1.021205	-0.675614	-1.369516
C	-0.237731	-0.828966	1.000257
C	-0.507699	1.558457	-0.119415
B	0.105817	0.028426	-0.372525
F	-1.743937	-2.714960	-4.303005
F	0.759019	-3.311774	3.479020
F	0.054496	5.163210	-0.241359
C	-0.867122	-1.444369	-2.506014
C	0.470018	-1.802081	1.678581
C	0.086504	2.796702	-0.294498
F	0.353286	-1.734863	-3.013019
F	1.650723	-2.276204	1.225306
F	1.381294	2.935185	-0.676108

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xyz			
P	2.014828	0.001214	0.000314
N	5.265020	0.000665	-0.001613
N	2.648161	-1.514547	-0.298487
N	2.647885	1.016953	-1.163489
N	2.649177	0.499849	1.462073
C	5.155781	-1.437142	-0.058051
H	5.952228	-1.902138	0.545918
H	5.327209	-1.749820	-1.094863
C	3.815583	-1.996149	0.435451
H	3.826927	-3.088782	0.358988
H	3.699633	-1.759355	1.498354
C	5.157082	0.670408	1.271683
H	5.952682	1.427063	1.370988
H	5.331052	-0.070861	2.060587
C	3.816723	1.376186	1.512362
H	3.829872	1.852451	2.498696
H	3.699880	2.181250	0.779209
C	5.155145	0.768333	-1.218327
H	5.951026	0.477406	-1.923556
H	5.326931	1.822565	-0.970929
C	3.814500	0.621301	-1.948391
H	3.826010	1.234561	-2.855921
H	3.697959	-0.417208	-2.275726
C	1.992525	-2.471888	-1.179013
H	0.968528	-2.165265	-1.394898
C	1.991705	0.220768	2.731646
H	2.525328	-0.542033	3.312899
C	1.990669	2.256563	-1.554970
H	1.934308	2.311354	-2.647498
H	1.930710	1.141326	3.322201

H	0.971365	-0.129819	2.574181
H	1.940770	-3.447652	-0.684042
H	2.520966	-2.583733	-2.134432
H	0.968522	2.292210	-1.177152
H	2.521118	3.141053	-1.179654
F	-4.237135	-0.078165	-2.512812
F	-4.235346	-2.141659	1.324520
F	-4.237623	2.215814	1.188407
F	-4.019205	-0.001342	0.000990
C	-2.903396	-0.112042	-2.552503
C	-2.901615	-2.157295	1.373506
C	-2.903880	2.266724	1.179495
F	-3.086476	-0.236027	-4.907385
F	-3.082970	-4.135329	2.657548
F	-3.087753	4.368766	2.248053
C	-2.652995	-0.000938	0.000796
C	-2.322718	-0.195522	-3.816922
C	-2.320062	-3.210259	2.077679
C	-2.323566	3.403926	1.738913
C	-2.103374	-0.068652	-1.421338
C	-2.102379	-1.198289	0.770568
C	-2.103634	1.265000	0.652518
C	-0.948499	-0.245424	-3.925665
C	-0.945934	-3.278319	2.175338
C	-0.949429	3.523128	1.750835
C	-0.693448	-0.098240	-1.501383
C	-0.692441	-1.251508	0.836741
C	-0.693811	1.349824	0.666589
B	0.006270	0.000561	0.000481
F	-0.374291	-0.339734	-5.126581
F	-0.370916	-4.271163	2.856872
F	-0.375625	4.610419	2.269895
C	-0.161308	-0.200205	-2.776060
C	-0.159575	-2.304481	1.561894
C	-0.161986	2.504742	1.215935
F	1.164927	-0.288350	-3.005261
F	1.166653	-2.458106	1.753139
F	1.164376	2.747170	1.255304

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xyz

C	-0.856925	-0.050451	-0.227919
N	-3.022084	0.598717	0.223645
C	-1.702167	1.012624	0.113426
N	-3.075710	-0.726327	-0.279997
C	-4.105590	1.405297	-0.269607
C	-1.757115	-1.057163	-0.629230
C	-3.856746	-1.601591	0.564740
N	-1.428355	2.319803	0.289163
C	-0.360250	3.048354	-0.414458
C	-2.187133	3.200365	1.187893
N	-1.541167	-2.182283	-1.312478
C	-0.338917	-2.426681	-2.123913

C	-2.578874	-3.182531	-1.599069
C	-3.309536	-2.116524	1.737335
C	-5.170852	-1.875642	0.204033
C	-4.086925	-2.941215	2.544645
C	-5.404316	-3.229728	2.187867
C	-5.947725	-2.692801	1.021911
C	-5.217210	1.599956	0.541041
C	-4.036682	1.968468	-1.542810
C	-6.276460	2.376500	0.074543
C	-6.210837	2.957034	-1.190162
C	-5.090735	2.753073	-1.998094
C	-1.215049	4.353420	1.418121
C	-0.553975	4.497978	0.044256
C	-0.449112	-3.906713	-2.458746
C	-1.955176	-4.081062	-2.672827
H	-2.285464	-1.874029	2.005544
H	-3.663421	-3.356823	3.453951
H	-6.008150	-3.873169	2.820974
H	-6.974611	-2.913004	0.745790
H	-5.569716	-1.450984	-0.712465
H	-5.238052	1.149800	1.528837
H	-7.147574	2.534134	0.703390
H	-7.032321	3.570111	-1.548948
H	-5.040989	3.203566	-2.984988
H	-3.159307	1.795293	-2.160605
H	-2.456227	2.658184	2.097700
H	-3.105406	3.565592	0.711310
H	-1.724107	5.262485	1.748811
H	-0.473827	4.078713	2.176237
H	-1.226449	5.028425	-0.639862
H	0.393801	5.040906	0.076135
H	-0.475178	2.928330	-1.495388
H	0.627108	2.680320	-0.130903
H	0.572026	-2.171815	-1.591922
H	-0.393372	-1.809496	-3.030186
H	0.144673	-4.175670	-3.335770
H	-0.105737	-4.508433	-1.609334
H	-2.233021	-3.725955	-3.671574
H	-2.290258	-5.116686	-2.577685
H	-3.496520	-2.692552	-1.941420
H	-2.811114	-3.745159	-0.688875
F	5.182708	-2.186904	0.570172
F	5.008337	1.160402	-2.329938
F	4.745782	2.021433	1.994718
F	4.794996	0.293592	0.092171
C	3.851983	-2.301946	0.620010
C	3.679662	1.033416	-2.393575
C	3.430817	1.786973	2.048227
F	4.183696	-4.535996	1.332249
F	3.806280	1.797438	-4.630040
F	3.384851	3.073788	4.036393
C	3.433317	0.177199	0.026094
C	3.350131	-3.538094	1.029947
C	3.071856	1.370304	-3.600723

C	2.740487	2.334929	3.129812
C	2.984924	-1.268229	0.304313
C	2.903377	0.589397	-1.333204
C	2.752837	1.027381	1.108254
C	1.985112	-3.713231	1.147205
C	1.698675	1.257357	-3.729073
C	1.393287	2.066459	3.283441
C	1.583382	-1.449857	0.342745
C	1.508098	0.471381	-1.432569
C	1.356334	0.843144	1.182844
B	0.756945	-0.066295	-0.066628
F	1.492730	-4.881396	1.571983
F	1.109008	1.578877	-4.885463
F	0.736278	2.534997	4.350410
C	1.129452	-2.663733	0.818912
C	0.941403	0.811483	-2.649845
C	0.729012	1.303943	2.324849
F	-0.188543	-2.908528	0.996191
F	-0.393582	0.741328	-2.873355
F	-0.559799	1.009253	2.607641

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xyz			
C	-1.018153	7.505726	5.346765
C	-0.816670	8.272827	6.497041
C	-1.674119	8.143090	7.582586
C	-2.730244	7.239888	7.501137
C	-2.891742	6.499551	6.339837
C	-2.051649	6.598073	5.222256
F	-3.559719	7.102552	8.528369
F	-1.489595	8.865293	8.673642
S	-4.251297	5.338658	6.238009
C	-3.326844	3.914026	5.695230
C	-3.447679	2.733381	6.412597
C	-2.646362	1.651821	6.061382
C	-1.736059	1.805041	5.023550
C	-1.638459	3.018294	4.333599
C	-2.444343	4.107904	4.624274
F	-4.299344	2.623478	7.425087
F	-2.735795	0.506182	6.713462
F	-0.952100	0.795363	4.691695
F	0.189753	9.124264	6.556669
B	-2.432498	5.623358	3.955935
C	-4.004736	6.022412	3.619878
C	-4.917986	5.867291	4.671132
C	-6.264293	6.191899	4.599352
C	-6.765455	6.709261	3.409201
C	-5.892246	6.906674	2.347230
C	-4.537941	6.576141	2.466483
F	-7.071588	6.028397	5.640552
F	-8.043657	7.023982	3.295867
F	-6.347114	7.417470	1.217510
F	-3.776382	6.842753	1.397006

F	-0.701415	3.071291	3.377515
F	-0.139647	7.694919	4.341031
N	-1.473250	5.782916	2.768921
C	-1.495579	5.149703	1.605939
N	-0.569563	5.408142	0.668647
N	-2.438385	4.238859	1.332171
H	-2.460167	3.742182	0.455425
H	-3.154309	4.016368	2.005983
H	0.167029	6.077087	0.833235
H	-0.569572	4.941602	-0.225299
H	-0.726362	6.456750	2.873562

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xyz

C	-1.788610	0.732787	2.715150
C	-2.530536	0.722103	1.530000
C	-3.804228	1.299171	1.514604
C	-4.338778	1.848752	2.676324
C	-3.601257	1.841892	3.856976
C	-2.322316	1.289682	3.871722
P	-1.847993	0.000739	0.000154
C	-2.529719	-1.685088	-0.140841
C	-1.786280	-2.716418	-0.723056
C	-2.319049	-3.996843	-0.819553
C	-3.598478	-4.260864	-0.335505
C	-4.337512	-3.242192	0.259565
C	-3.803960	-1.960910	0.364915
B	0.164880	0.000382	0.000851
C	0.835491	-1.098490	1.058046
C	2.240222	-1.147516	1.054012
C	3.013221	-2.002616	1.824530
C	2.380941	-2.894207	2.682447
C	0.996174	-2.875365	2.741045
C	0.254133	-1.990387	1.950029
S	3.096860	-0.000795	0.000714
F	-1.065766	-2.048509	2.136769
F	0.367338	-3.698987	3.559650
F	3.080520	-3.728156	3.431227
F	4.340151	-1.980357	1.756526
C	0.835763	-0.366609	-1.479218
C	2.240478	-0.339138	-1.519312
C	3.013701	-0.579782	-2.644743
C	2.381641	-0.877684	-3.845814
C	0.996851	-0.937794	-3.859035
C	0.254623	-0.694228	-2.697433
F	3.081461	-1.110170	-4.942048
F	4.340629	-0.532338	-2.591138
F	-1.065287	-0.827023	-2.841146
F	0.368263	-1.235946	-4.981484
C	0.836474	1.465179	0.423458
C	0.256217	2.684394	0.749123
C	0.999270	3.811550	1.119219
C	2.384015	3.769143	1.164621

C	3.015185	2.579698	0.821857
C	2.241254	1.485272	0.467401
F	-1.063452	2.876650	0.705513
F	0.371411	4.933046	1.422442
F	3.084575	4.834252	1.511454
F	4.342064	2.508639	0.836094
C	-2.527480	0.965766	-1.390450
C	-1.783399	1.986537	-1.990196
C	-2.314133	2.710399	-3.051770
C	-3.592151	2.422407	-3.525695
C	-4.331831	1.396907	-2.943278
C	-3.800319	0.664977	-1.885368
H	-0.779612	-2.542314	-1.086979
H	-4.380754	-1.188619	0.864597
H	-1.731561	-4.790498	-1.270742
H	-5.327974	-3.444161	0.655024
H	-4.013168	-5.261150	-0.411926
H	-4.379874	1.346400	0.595258
H	-0.782476	0.329438	2.747715
H	-5.328876	2.292985	2.652327
H	-1.735939	1.295080	4.785364
H	-4.016658	2.276088	4.760989
H	-0.778000	2.215838	-1.654434
H	-4.377446	-0.154518	-1.468023
H	-1.726270	3.498801	-3.511607
H	-5.321254	1.154890	-3.318363
H	-4.005252	2.988674	-4.354583

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xyz			
C	-0.156251	0.205576	-2.786930
C	-0.909341	0.341321	-3.959185
C	-2.290021	0.393928	-3.910985
C	-2.886142	0.295408	-2.660962
C	-2.090564	0.167789	-1.532217
C	-0.680437	0.128833	-1.511621
F	-4.211660	0.320614	-2.560510
F	-3.013127	0.520730	-5.008005
S	-2.951094	-0.000523	0.000657
C	-2.090284	1.242705	0.912613
C	-2.885445	2.156303	1.588186
C	-2.288952	3.190034	2.297540
C	-0.908356	3.259092	2.273905
C	-0.155799	2.312032	1.569376
C	-0.680251	1.244940	0.867003
F	-4.210949	2.056186	1.561319
F	-3.011703	4.076361	2.956687
F	-0.283758	4.230105	2.916806
F	-0.285093	0.414184	-5.121654
B	0.049301	0.000199	-0.000178
C	-0.679912	-1.373423	0.644162
C	-2.089932	-1.411756	0.621122
C	-2.884668	-2.453683	1.075134

C	-2.287578	-3.585126	1.614479
C	-0.906869	-3.599597	1.683735
C	-0.154810	-2.515913	1.215114
F	-4.210261	-2.380195	1.003511
F	-3.009824	-4.599160	2.053243
F	-0.281673	-4.642363	2.201534
F	1.153816	-2.653684	1.377491
F	1.152567	2.523955	1.605317
F	1.152246	0.134100	-2.988666
P	2.505191	-0.000029	-0.000178
C	3.265165	-1.287388	-1.289992
C	3.473605	-0.803054	-2.764166
C	3.264718	1.760903	-0.469623
C	4.667827	1.612370	-1.105770
C	3.264219	-0.473236	1.759884
C	4.667738	0.151064	1.949532
C	3.476005	2.794163	0.687736
C	2.318368	2.421568	-1.489706
C	2.317695	0.081303	2.841198
C	3.474259	-1.992073	2.076974
C	4.669308	-1.761589	-0.843701
C	2.320926	-2.502856	-1.350470
H	3.266749	2.446777	1.691222
H	4.516213	3.131047	0.681744
H	2.854180	3.675520	0.523769
H	2.694047	3.427384	-1.707014
H	2.263147	1.889704	-2.436935
H	1.303009	2.530935	-1.092436
H	4.977641	2.612962	-1.428429
H	5.408062	1.268703	-0.380921
H	4.718980	0.974016	-1.980111
H	2.692267	-0.233311	3.821370
H	2.263424	1.167672	2.853540
H	1.301984	-0.316292	2.736554
H	4.513230	-2.155061	2.376183
H	2.848793	-2.291081	2.919403
H	3.268686	-2.687252	1.273235
H	4.719806	1.227366	1.834176
H	4.977106	-0.070044	2.977466
H	5.407902	-0.305201	1.289680
H	4.979100	-2.542732	-1.547340
H	5.408844	-0.961576	-0.911063
H	4.721748	-2.197342	0.147264
H	2.696238	-3.192702	-2.114208
H	2.268917	-3.058046	-0.416559
H	1.304375	-2.215283	-1.641402
H	2.846588	-1.382294	-3.443537
H	3.269562	0.240875	-2.964300
H	4.511997	-0.982282	-3.056128

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xyz

C	0.201837	2.811662	-0.268150
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C	-0.354665	4.066732	-0.008743
C	-1.647967	4.186611	0.480694
C	-2.369410	3.023244	0.706888
C	-1.770854	1.802096	0.429440
C	-0.477131	1.615599	-0.066947
F	-3.609919	3.091642	1.178698
F	-2.171479	5.375104	0.727681
S	-2.713537	0.332133	0.704827
C	-1.518546	-0.630021	1.614300
C	-1.973234	-1.271148	2.758209
C	-1.168207	-2.228518	3.362286
C	0.027807	-2.557837	2.741975
C	0.433521	-1.904012	1.574908
C	-0.269670	-0.853486	1.006747
F	-3.172511	-1.003789	3.265961
F	-1.554962	-2.848989	4.464401
F	0.786448	-3.516083	3.251257
F	0.363713	5.157147	-0.222705
B	0.043465	0.038771	-0.365039
C	-1.158570	-0.613107	-1.341396
C	-2.477464	-0.449228	-0.885194
C	-3.605592	-0.945859	-1.520723
C	-3.453077	-1.672684	-2.695478
C	-2.167945	-1.900649	-3.164575
C	-1.057070	-1.389650	-2.484485
F	-4.821646	-0.751947	-1.019061
F	-4.504351	-2.157483	-3.335192
F	-1.992138	-2.617664	-4.261042
F	0.130492	-1.723683	-3.008992
F	1.534189	-2.408180	1.005032
F	1.473293	2.853833	-0.700728
N	1.463379	0.059593	-0.975327
C	1.533659	0.577543	-2.362600
P	2.958751	-0.095921	-0.299016
N	2.822962	-0.014160	1.347776
C	3.657127	-0.850763	2.208136
N	4.073022	1.035127	-0.789099
C	4.447449	2.211677	-0.011458
N	3.637416	-1.501823	-0.823175
C	2.896079	-2.591434	-1.450955
C	4.686290	1.010791	-2.116080
C	5.068877	-1.770585	-0.695103
C	2.156892	1.064037	2.071639
H	4.421778	1.912170	-2.681622
H	4.359848	0.137819	-2.682875
H	5.777797	0.970604	-2.017271
H	4.175760	2.094567	1.036063
H	3.976810	3.120944	-0.401981
H	5.535269	2.332729	-0.060672
H	5.577690	-0.950026	-0.186980
H	5.518995	-1.901312	-1.686475
H	5.227239	-2.690836	-0.120828
H	3.314727	-2.785031	-2.445917
H	1.847329	-2.326822	-1.558660

H	2.974223	-3.504883	-0.851930
H	2.867937	1.572976	2.734276
H	1.342406	0.662531	2.686735
H	1.746683	1.803558	1.388949
H	4.551978	-0.310908	2.544900
H	3.955935	-1.763819	1.695403
H	3.074200	-1.140908	3.088981
H	2.129626	1.488666	-2.421425
H	0.529863	0.830637	-2.705298
H	1.943496	-0.168236	-3.049187

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xyz

C	-0.169055	-2.743137	0.582639
C	-0.926793	-3.904692	0.776825
C	-2.309913	-3.877475	0.712387
C	-2.922545	-2.656772	0.462138
C	-2.133340	-1.532682	0.270702
C	-0.726900	-1.500395	0.302641
F	-4.248429	-2.582053	0.411740
F	-3.022678	-4.974022	0.896640
S	-2.986350	-0.000646	0.000941
C	-2.134350	0.531648	-1.461356
C	-2.924175	0.927776	-2.530202
C	-2.312247	1.321492	-3.712810
C	-0.929128	1.279714	-3.769326
C	-0.170767	0.867260	-2.666707
C	-0.727943	0.488061	-1.450230
F	-4.250014	0.933863	-2.439613
F	-3.025673	1.710064	-4.754186
F	-0.311345	1.631042	-4.883589
F	-0.308388	-5.044981	1.029799
B	-0.038607	0.000058	-0.000145
C	-0.727155	1.012012	1.147907
C	-2.133517	0.999632	1.192442
C	-2.922734	1.727502	2.070230
C	-2.310098	2.555430	3.001491
C	-0.927001	2.625648	2.992147
C	-0.169320	1.876653	2.083351
F	-4.248603	1.645849	2.031318
F	-3.022837	3.263428	3.858913
F	-0.308620	3.415789	3.852363
F	1.146781	2.086970	2.177767
F	1.145317	0.845808	-2.896364
F	1.147150	-2.930505	0.716557
P	1.993306	0.000341	-0.000318
N	2.592651	-1.312486	-0.828495
C	1.961461	-1.848948	-2.027635
N	2.592660	1.373767	-0.723500
C	1.961432	2.680521	-0.588248
N	2.592876	-0.060359	1.550569
C	1.961403	-0.830298	2.614842
C	3.769646	1.308133	-1.595996

C	5.097712	1.165964	-0.844959
N	5.145894	-0.000210	-0.000579
C	5.097909	0.147902	1.431532
C	3.770078	0.727439	1.930551
C	5.097534	-1.314550	-0.588378
C	3.769437	-2.035794	-0.335692
H	5.908539	1.145455	-1.590018
H	5.269388	2.050753	-0.221624
H	3.778720	2.216541	-2.206558
H	3.658628	0.467197	-2.287997
H	5.908527	-1.949556	-0.198500
H	5.268727	-1.216969	-1.666358
H	3.778079	-3.018661	-0.817345
H	3.658646	-2.214989	0.738524
H	5.908964	0.803096	1.786288
H	5.269358	-0.834413	1.886023
H	3.779154	0.800853	3.022625
H	3.659469	1.747696	1.549507
H	0.929351	2.584346	-0.247184
H	2.495180	-1.564240	-2.942384
H	1.927783	-0.227741	3.528204
H	1.930397	-2.941361	-1.963818
H	0.930754	-1.502274	-2.117141
H	1.933871	3.172965	-1.565516
H	2.492891	3.329121	0.118474
H	0.931713	-1.083847	2.357857
H	2.496610	-1.763558	2.827607

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xyz			
C	0.723313	1.342823	2.289256
C	1.331563	2.147444	3.256586
C	2.674948	2.486202	3.161265
C	3.415417	1.957811	2.111159
C	2.767342	1.182928	1.159971
C	1.392916	0.901566	1.157405
F	4.726477	2.175948	2.051137
F	3.246791	3.246923	4.082516
S	3.777932	0.233754	0.031597
C	2.957147	0.591944	-1.494388
C	3.719188	0.996818	-2.582392
C	3.074064	1.265135	-3.780468
C	1.693322	1.114119	-3.835069
C	0.969661	0.705199	-2.713350
C	1.570176	0.428549	-1.489046
F	5.039713	1.126677	-2.493262
F	3.752138	1.653187	-4.848895
F	1.059704	1.365763	-4.970521
F	0.623079	2.585743	4.286629
B	0.826568	-0.060692	-0.083817
C	1.640856	-1.437712	0.408283
C	3.044078	-1.360240	0.391682
C	3.896144	-2.377082	0.797736

C	3.351263	-3.562730	1.275731
C	1.970110	-3.662770	1.369985
C	1.148089	-2.608685	0.961982
F	5.217667	-2.228762	0.759207
F	4.130018	-4.560829	1.663829
F	1.428586	-4.768272	1.857576
F	-0.164632	-2.798916	1.145873
F	-0.354837	0.605988	-2.906340
F	-0.538662	0.982743	2.557276
C	-0.779532	-0.061283	-0.251752
C	-1.625178	1.013969	0.065772
N	-2.930450	0.597991	0.175263
N	-2.984862	-0.730144	-0.300213
C	-1.678487	-1.088361	-0.622597
C	-4.057137	1.395954	-0.226849
C	-5.097322	1.590548	0.673269
C	-6.193357	2.360508	0.289197
C	-6.234771	2.928583	-0.982359
C	-5.186699	2.720465	-1.880787
C	-4.094958	1.943971	-1.507285
N	-1.330725	2.323323	0.230125
C	-0.309854	3.038148	-0.551446
C	-0.526543	4.507436	-0.170988
C	-1.141827	4.427254	1.228840
C	-2.091452	3.241436	1.094001
C	-3.867888	-1.576475	0.470370
C	-3.436552	-2.104409	1.684445
C	-4.307057	-2.896140	2.427312
C	-5.600159	-3.137074	1.962780
C	-6.026963	-2.584952	0.756061
C	-5.157659	-1.799389	0.003382
N	-1.455102	-2.245596	-1.253660
C	-0.252752	-2.517236	-2.055300
C	-0.366211	-4.005288	-2.352569
C	-1.869756	-4.173878	-2.582744
C	-2.505130	-3.237943	-1.548541
H	-2.431028	-1.894974	2.037546
H	-3.977675	-3.321732	3.370131
H	-6.277522	-3.754093	2.545136
H	-7.035797	-2.766773	0.398981
H	-5.468364	-1.361281	-0.940412
H	-5.038526	1.145396	1.661783
H	-7.011091	2.519722	0.985061
H	-7.086394	3.533944	-1.277214
H	-5.224160	3.159781	-2.872914
H	-3.272761	1.764893	-2.195394
H	-2.330341	2.749417	2.040090
H	-3.026426	3.560597	0.620298
H	-1.663520	5.341396	1.521039
H	-0.371427	4.220309	1.980307
H	-1.234589	4.976896	-0.862469
H	0.404465	5.078368	-0.203519
H	-0.454790	2.856460	-1.620386
H	0.699830	2.714983	-0.281456

H	0.660531	-2.255169	-1.529358
H	-0.298829	-1.928346	-2.980895
H	0.236745	-4.301558	-3.214090
H	-0.039133	-4.588407	-1.483678
H	-2.129652	-3.851056	-3.596554
H	-2.212602	-5.203390	-2.460386
H	-3.400235	-2.739550	-1.933038
H	-2.777019	-3.770158	-0.632146

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xyz			
N	-3.639766	0.939370	0.712604
H	-4.532906	1.414105	0.660357
H	-3.664308	-0.068868	0.687477
N	-1.361532	0.923155	0.424308
H	-0.517356	1.316331	0.037544
H	-1.253087	0.245811	1.163591
N	-2.582466	2.773414	-0.265000
H	-1.685427	3.243237	-0.316216
C	-2.541685	1.574293	0.277384
F	-5.752980	2.045608	-0.910587
F	-3.720879	5.266211	1.021792
F	-1.879326	5.177779	-1.298249
B	-3.762446	3.608914	-0.847815
C	-3.035488	4.682193	-1.856275
C	-4.522626	4.377063	0.384114
C	-4.812779	2.670662	-1.699410
F	-4.908706	3.486615	1.362153
F	-5.518426	3.355352	-2.616030
F	-2.636689	4.118922	-3.026617
F	-3.782060	5.751825	-2.176061
F	-5.639302	5.043306	0.035364
F	-4.192119	1.657531	-2.362769

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xyz			
P	-0.175633	-1.045082	1.222555
C	0.215577	0.735241	1.082014
C	-0.702307	1.648789	1.613434
C	1.347528	1.206728	0.414414
C	-0.472302	3.014730	1.501036
H	-1.603416	1.302128	2.107300
C	1.572505	2.577062	0.303807
H	2.055419	0.518582	-0.033158
C	0.668397	3.482178	0.851211
H	-1.187819	3.713365	1.923601
H	2.457769	2.932820	-0.214727
H	0.847941	4.549973	0.766871
C	1.026564	-1.966058	0.202011
C	0.573983	-2.782254	-0.839626
C	2.398635	-1.895688	0.472707
C	1.481809	-3.510166	-1.603315

H	-0.485949	-2.865404	-1.054874
C	3.300901	-2.621243	-0.297424
H	2.773503	-1.283855	1.284636
C	2.845415	-3.429763	-1.336138
H	1.117308	-4.144847	-2.405326
H	4.361811	-2.559365	-0.075261
H	3.551943	-4.000517	-1.931595
C	-1.762164	-1.182226	0.331811
C	-2.768272	-2.070191	0.714421
C	-1.928028	-0.404514	-0.823134
C	-3.928863	-2.177338	-0.049599
H	-2.667641	-2.673053	1.606300
C	-3.086024	-0.518273	-1.582671
H	-1.154151	0.292657	-1.131203
C	-4.089756	-1.406011	-1.196092
H	-4.708428	-2.865774	0.261854
H	-3.205319	0.089694	-2.474411
H	-4.996947	-1.491589	-1.787185
F	-0.004042	-3.922755	4.271096
F	-1.521305	-1.396026	5.221949
F	1.382834	-1.475970	5.092525
B	-0.168558	-1.695914	3.149814
C	1.352795	-1.499893	3.745805
C	-1.216635	-0.808574	4.047649
C	-0.568098	-3.293234	3.222201
F	-2.413157	-0.592235	3.418680
F	-1.907812	-3.520215	3.345569
F	2.210965	-2.484017	3.369930
F	1.944807	-0.335354	3.340181
F	-0.748576	0.428007	4.356788
F	-0.191937	-3.991626	2.113318

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xyz			
P	-1.003878	0.000070	-0.000241
C	-1.707042	1.143187	-1.401544
C	-1.707988	-1.784600	-0.289416
C	-1.708026	0.642075	1.690022
C	-1.548099	0.481170	-2.784908
H	-2.217657	-0.368416	-2.927949
H	-1.818816	1.229936	-3.538297
H	-0.528337	0.166165	-2.997407
C	-0.963090	2.490908	-1.470060
H	-1.448997	3.086479	-2.252463
H	-1.015762	3.063474	-0.546377
H	0.081528	2.376631	-1.744947
C	-3.203002	1.476898	-1.223465
H	-3.520236	2.017233	-2.123268
H	-3.848029	0.604127	-1.132859
H	-3.388111	2.141060	-0.378038
C	-0.964288	-2.518801	-1.421842
H	-1.452400	-3.492883	-1.547828
H	-1.013962	-2.004487	-2.379244

H	0.079440	-2.702471	-1.183709
C	-1.549339	-2.651438	0.975807
H	-2.220159	-2.351436	1.782366
H	-1.818414	-3.678612	0.703724
H	-0.530016	-2.676601	1.356012
C	-3.203998	-1.797152	-0.667375
H	-3.389476	-1.398831	-1.665948
H	-3.521476	-2.846526	-0.683560
H	-3.848697	-1.280996	0.042484
C	-3.204101	0.321472	1.890154
H	-3.520868	0.830716	2.808065
H	-3.849147	0.679705	1.089146
H	-3.389753	-0.742679	2.042684
C	-0.964399	0.027809	2.891738
H	-1.450802	0.407463	3.798511
H	-1.016812	-1.058374	2.925786
H	0.080099	0.323314	2.930732
C	-1.548800	2.171045	1.808112
H	-0.529165	2.512365	1.640771
H	-2.218712	2.719615	1.144237
H	-1.818838	2.449382	2.833372
F	3.104738	-1.107453	1.093116
F	3.105206	1.499486	0.413062
F	1.731487	1.111424	-2.207756
B	1.149885	0.000116	0.000297
C	1.797211	-0.068559	-1.529479
C	1.797043	1.359261	0.705919
C	1.796776	-1.290927	0.824274
F	1.730264	1.356260	2.066932
F	1.227486	-1.556386	2.031613
F	3.105176	-0.393288	-1.504056
F	1.228503	-0.982399	-2.362347
F	1.228864	2.537763	0.331008
F	1.730406	-2.467750	0.140486

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xyz			
P	-1.649382	1.479409	0.654327
N	-3.183837	1.112902	0.092855
N	-0.710512	0.305327	-0.034170
N	-1.227927	2.943986	0.040529
C	-3.698636	-0.249356	0.163226
H	-4.474372	-0.350268	0.933658
H	-2.897066	-0.953571	0.396897
H	-4.131186	-0.526606	-0.805976
C	-4.211200	2.120794	-0.122178
H	-3.770440	3.049597	-0.483523
H	-4.792806	2.331119	0.787554
H	-4.899857	1.757058	-0.892435
C	-0.839360	0.009258	-1.456926
H	-1.408063	0.784831	-1.972734
H	-1.356612	-0.949129	-1.604558
H	0.154982	-0.059686	-1.913607

C	-0.018724	-0.736888	0.716803
H	-0.068136	-0.545869	1.784932
H	1.034114	-0.778001	0.420796
H	-0.485211	-1.710365	0.508011
C	-1.771117	4.184427	0.588318
H	-2.453926	3.979978	1.414881
H	-2.310078	4.739154	-0.191124
H	-0.958204	4.804542	0.974174
C	-0.255763	3.132951	-1.027344
H	-0.747580	3.300375	-1.995265
H	0.414110	2.276145	-1.098603
H	0.357268	4.006367	-0.787273
N	-1.595865	1.496010	2.288727
C	-2.758647	0.849484	2.946788
H	-3.698077	1.191826	2.509114
H	-2.779526	1.131638	3.994426
H	-2.703159	-0.243045	2.891662
F	0.964659	0.907857	5.078292
F	-0.467421	3.548185	5.283609
F	1.854958	2.857473	3.517893
B	-0.474420	1.997514	3.282016
C	1.008030	2.315408	2.617437
C	-0.982200	3.381489	4.045877
C	-0.220749	0.822954	4.443929
F	-2.341373	3.443706	4.198872
F	-1.157036	0.809890	5.436178
F	1.634255	1.198347	2.140523
F	1.017071	3.184503	1.566855
F	-0.665326	4.522594	3.367447
F	-0.258514	-0.446026	3.919471

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xyz			
P	11.446336	11.125325	5.109019
N	8.370458	11.680673	4.358198
N	10.440189	11.008626	6.431671
N	11.214250	12.647544	4.473126
N	10.865770	10.048354	3.978390
C	8.052259	11.219551	5.687656
H	7.116056	10.637830	5.679287
H	7.863743	12.100737	6.312956
C	9.140752	10.350664	6.338864
H	8.839050	10.073589	7.355879
H	9.236506	9.414677	5.783020
C	8.546985	10.722946	3.293790
H	7.989653	11.037917	2.396507
H	8.101688	9.774400	3.617812
C	10.009749	10.489691	2.881777
H	10.059694	9.725191	2.097455
H	10.411627	11.405551	2.441443
C	8.758261	13.055078	4.153264
H	7.963038	13.734970	4.500117
H	8.856720	13.219157	3.073270

C	10.064266	13.460626	4.855922
H	10.306452	14.503965	4.621642
H	9.920978	13.415785	5.938366
C	10.704103	11.713673	7.682428
H	11.464925	12.482591	7.549438
C	11.010819	8.603161	4.125164
H	11.303684	8.336692	5.140559
C	12.018926	13.168521	3.372173
H	12.584077	12.373745	2.885605
H	10.047653	8.118057	3.925122
H	11.762883	8.208701	3.434272
H	11.043310	11.023641	8.461745
H	9.788273	12.215067	8.018457
H	12.724372	13.928719	3.722894
H	11.359079	13.610466	2.615637
F	14.685540	9.311392	7.147395
F	15.346614	12.058749	6.470643
F	15.470236	9.990323	4.433062
B	13.392790	10.773961	5.584023
C	14.319090	10.661346	4.222667
C	13.999996	11.993415	6.515755
C	13.547212	9.362466	6.425367
F	13.685610	11.876314	7.836134
F	12.537454	9.133877	7.316994
F	13.705145	10.018865	3.184764
F	14.690245	11.870489	3.716503
F	13.560858	13.236967	6.158358
F	13.570633	8.256184	5.630642

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xyz			
C	0.702743	-0.007929	-0.159583
N	-1.468312	-0.586576	0.199691
C	-0.239827	-1.067785	-0.129663
N	-1.384028	0.783856	0.380087
C	-2.695512	-1.280859	0.366348
C	-0.084248	1.135852	0.058471
C	-2.515599	1.551677	-0.062768
N	-0.100293	-2.397352	-0.379414
C	-0.478690	-3.492738	0.517665
C	0.396681	-2.869477	-1.677562
N	0.205827	2.458397	0.002564
C	0.861438	3.094745	-1.151778
C	-0.265852	3.434138	0.988254
C	-2.625800	1.882436	-1.411128
C	-3.476444	1.955976	0.855752
C	-3.714218	2.633898	-1.841894
C	-4.686674	3.040082	-0.928222
C	-4.569582	2.698940	0.417569
C	-3.260178	-1.923069	-0.731719
C	-3.302802	-1.324749	1.618708
C	-4.446055	-2.632309	-0.566967
C	-5.068427	-2.675479	0.679687

C	-4.500172	-2.016799	1.769384
C	0.488165	-4.384795	-1.487656
C	-0.584883	-4.683649	-0.433442
C	0.612150	4.585721	-0.904257
C	0.536415	4.681430	0.623037
H	-1.859313	1.555587	-2.108627
H	-3.804326	2.900629	-2.890495
H	-5.536202	3.625609	-1.266724
H	-5.324520	3.017654	1.129643
H	-3.356239	1.699301	1.903227
H	-2.764151	-1.870147	-1.695790
H	-4.889370	-3.143184	-1.416216
H	-5.997248	-3.224170	0.802683
H	-4.981317	-2.054861	2.741899
H	-2.826845	-0.833136	2.461918
H	1.353192	-2.417420	-1.936010
H	-0.333540	-2.612106	-2.461974
H	0.328958	-4.924048	-2.425434
H	1.477456	-4.649046	-1.103305
H	-1.580346	-4.701663	-0.895013
H	-0.428337	-5.636266	0.079684
H	-1.416650	-3.296022	1.043966
H	0.310613	-3.643222	1.264033
H	0.412144	2.738384	-2.085567
H	1.924416	2.869043	-1.177378
H	1.402681	5.205041	-1.335712
H	-0.344096	4.893550	-1.345279
H	1.538624	4.621027	1.058242
H	0.055269	5.598553	0.974104
H	-0.064059	3.064864	1.997937
H	-1.342009	3.634914	0.892011
F	3.008685	2.292557	0.600563
F	1.932789	-1.784528	1.938571
F	2.846848	1.046165	-2.087459
B	2.331671	-0.127275	0.088371
C	3.216004	-0.002841	-1.292497
C	2.719198	-1.562238	0.836676
C	2.807723	1.062729	1.163171
F	3.992895	-1.635999	1.280455
F	1.880836	1.272758	2.151904
F	4.545531	0.152061	-1.087061
F	3.101710	-1.093479	-2.110057
F	2.581711	-2.685977	0.074328
F	3.960238	0.815530	1.820791