

Aromatic Trails. Persistence and Interplay Between Linked Spherical Aromatic Dicarboranes in Dimer to Hexamer Linear Arrays

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Table S1. Geometrical parameters for the studied species. HOMO-LUMO and VDE values in eV. Unique C-C distances in Angstrom, from central (C-C), to external (C-C', C-C'') bonds.

	HOMO-LUMO	VDE		C-C	C-C'	C-C''
1	9.016	10.29				
2	8.447	9.75		1.529		
3	8.248	9.42		1.529		
4	8.155	9.28		1.527	1.528	
5	8.083	9.15		1.526	1.526	
6	8.056	9.05		1.522	1.530	1.526

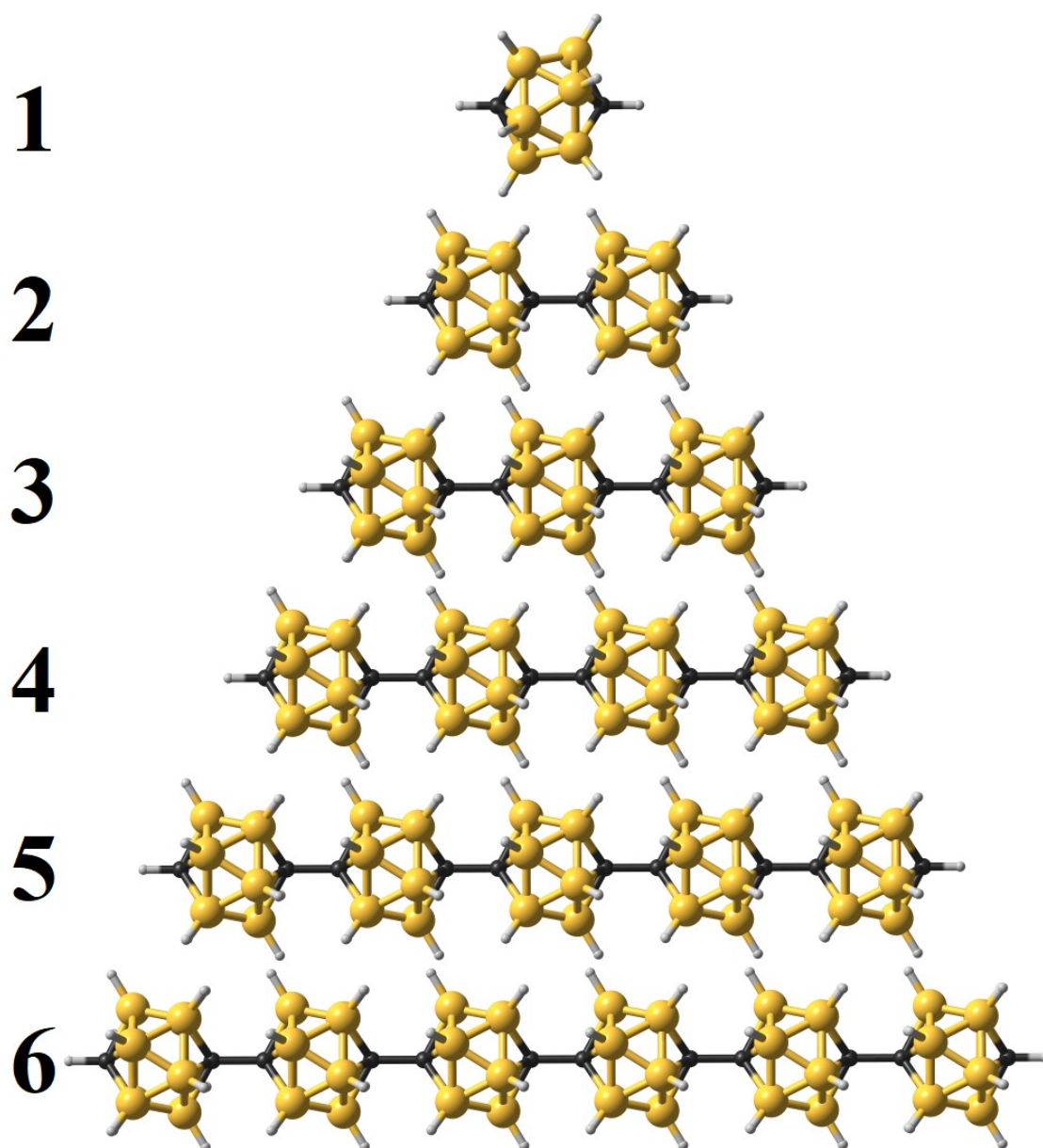


Figure S1. Schematic representation of *para*-[C₂B₁₀H₁₀] (1), and related dimer (2), trimer (3), tetramer (4), pentamer (5), and hexamer (6) arrays.

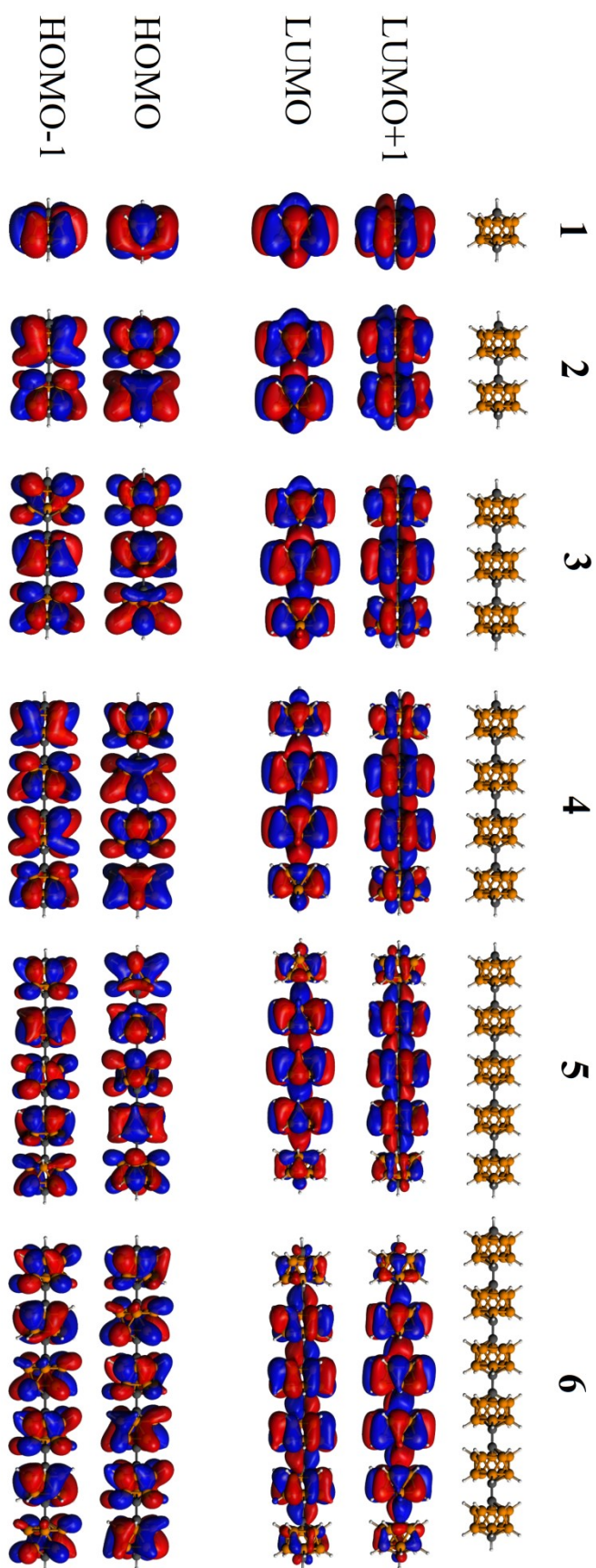


Figure S2. Isosurface representation ($0.01 \text{ e}/\text{bohr}^3$) for *para*-[C₂B₁₀H₁₀] (**1**), and related dimer (**2**), trimer (**3**), tetramer (**4**), pentamer (**5**), and hexamer (**6**) arrays.

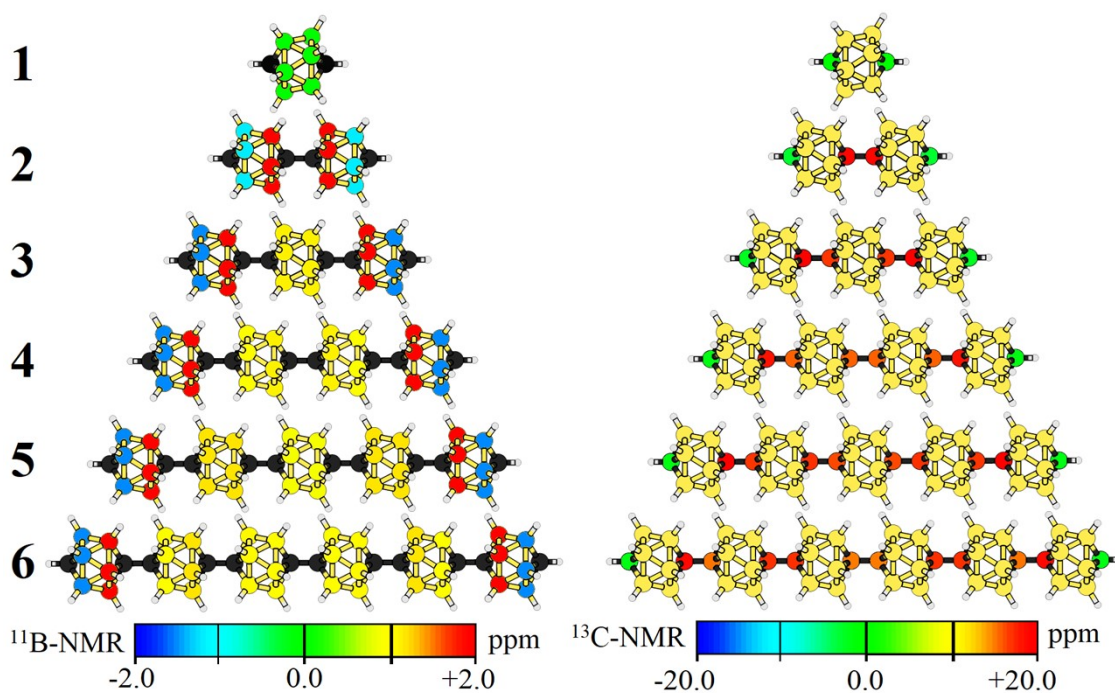


Figure S2. Schematic representation of calculated ^{11}B - and ^{13}C -NMR values in the studied linear oligomers.

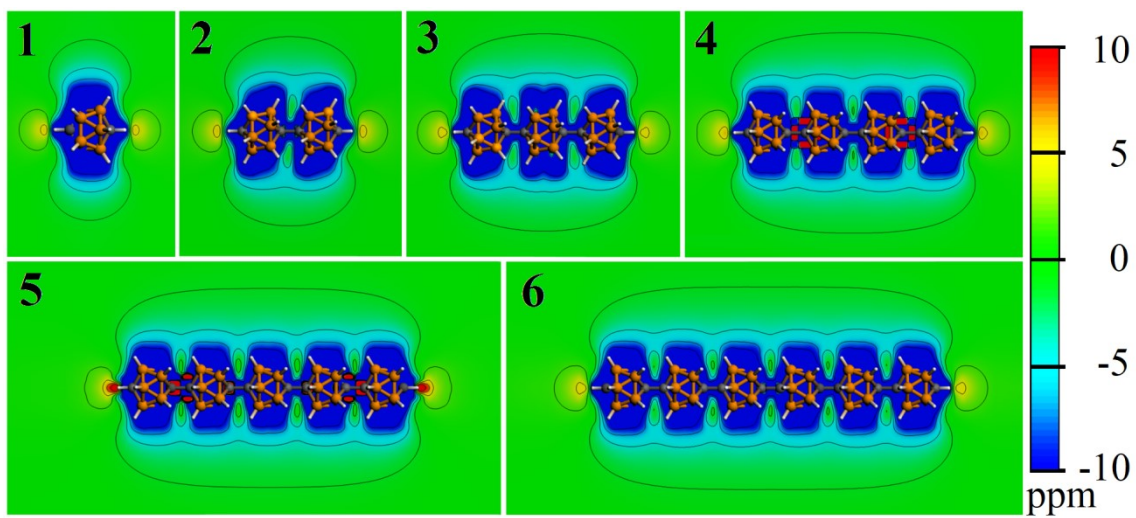


Figure S3. Contour plot representation of B_x^{ind} , denoting the common shielding region of about -5.0 ppm (light blue) between parallel shielding cones.

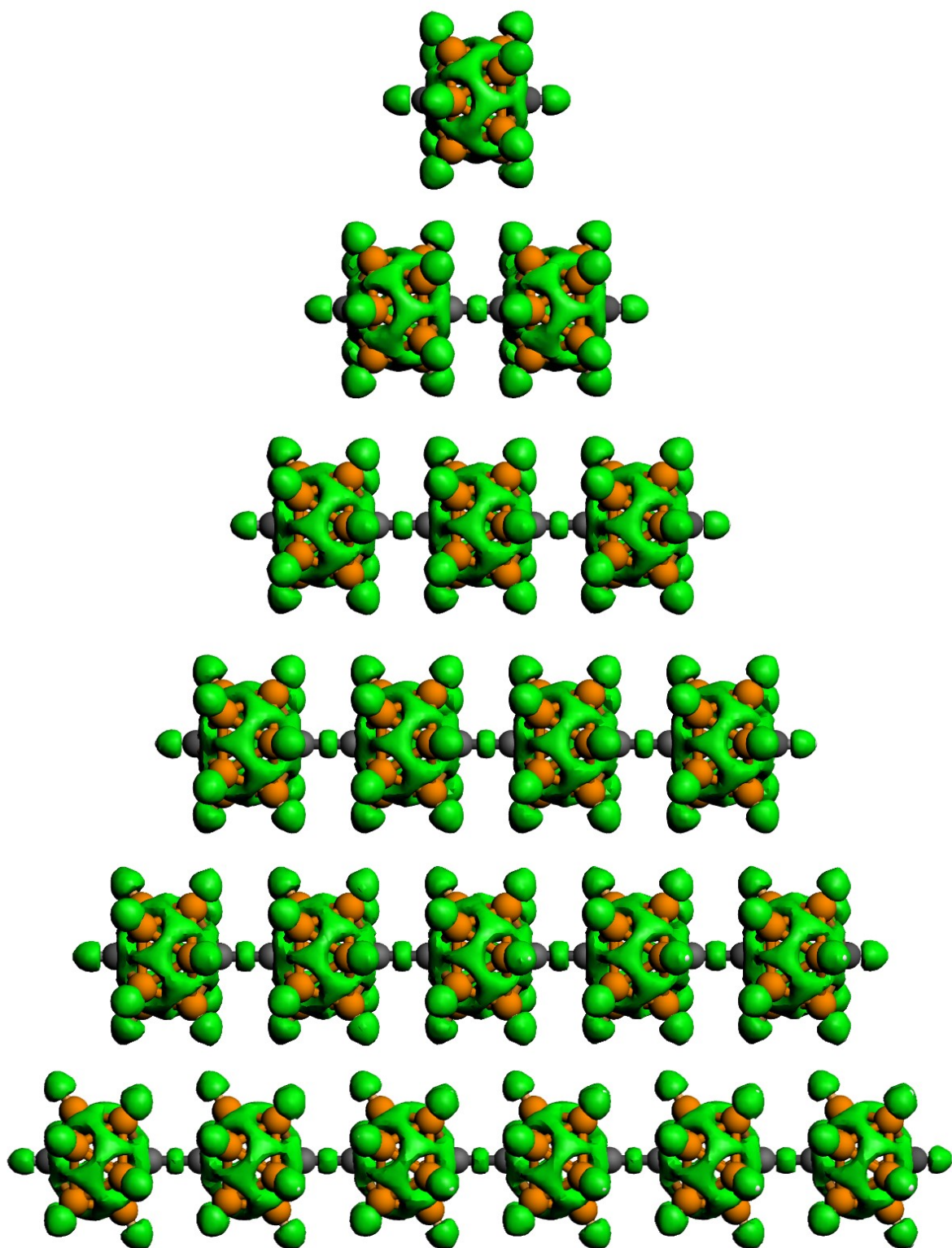


Figure S4. Isosurface for localized-orbital locator (LOL) of the studied species. Isovalue set to 0.55.

Table S2. Coordinates for the studied species in MultipleXYZ format. Values in Angstroms.

24			
1	B10C2H12		
C	0.000000000	0.000000000	5.488129000
B	1.514504000	0.000000000	6.266807000
B	0.468008000	1.440379000	6.266807000
B	-1.225260000	0.890203000	6.266807000
B	-1.225260000	-0.890203000	6.266807000
B	0.468008000	-1.440379000	6.266807000
B	1.225491000	-0.890372000	7.762740000
B	1.225491000	0.890372000	7.762740000
H	2.524374000	0.000000000	5.642197000
B	-0.468096000	1.440651000	7.762740000
H	0.780074000	2.400822000	5.642197000
B	-1.514791000	0.000000000	7.762740000
H	-2.042262000	1.483790000	5.642197000
B	-0.468096000	-1.440651000	7.762740000
H	-2.042262000	-1.483790000	5.642197000
H	0.780074000	-2.400822000	5.642197000
C	0.000000000	0.000000000	8.541187000
H	2.042029000	-1.483621000	8.381727000
H	2.042029000	1.483621000	8.381727000
H	-0.779986000	2.400549000	8.381727000
H	-2.524087000	0.000000000	8.381727000
H	-0.779986000	-2.400549000	8.381727000
H	0.000000000	0.000000000	9.627312000
H	0.000000000	0.000000000	4.402122000
46			
2	B20C4H22		
C	0.000000000	0.000000000	0.812551000
B	1.509290000	0.000000000	1.600033000
B	0.466396000	1.435420000	1.600033000
B	-1.221041000	0.887138000	1.600033000
B	-1.221041000	-0.887138000	1.600033000
B	0.466396000	-1.435420000	1.600033000
B	1.222399000	-0.888125000	3.087621000
B	1.222399000	0.888125000	3.087621000
H	2.525773000	0.000000000	0.981428000
B	-0.466915000	1.437016000	3.087621000
H	0.780507000	2.402153000	0.981428000
B	-1.510968000	0.000000000	3.087621000
H	-2.043393000	1.484612000	0.981428000
B	-0.466915000	-1.437016000	3.087621000
H	-2.043393000	-1.484612000	0.981428000
H	0.780507000	-2.402153000	0.981428000
C	0.000000000	0.000000000	3.906715000
H	2.047044000	-1.487265000	3.697052000
H	2.047044000	1.487265000	3.697052000
H	-0.781901000	2.406445000	3.697052000
H	-2.530286000	0.000000000	3.697052000
H	-0.781901000	-2.406445000	3.697052000
C	0.000000000	0.000000000	5.436122000
B	1.510309000	0.000000000	6.256224000
B	0.466711000	1.436389000	6.256224000
B	-1.221866000	0.887737000	6.256224000
B	-1.221866000	-0.887737000	6.256224000
B	0.466711000	-1.436389000	6.256224000
B	1.218924000	-0.885600000	7.747970000
B	1.218924000	0.885600000	7.747970000
H	2.532440000	0.000000000	5.657106000
B	-0.465588000	1.432932000	7.747970000
H	0.782567000	2.408494000	5.657106000
B	-1.506673000	0.000000000	7.747970000
H	-2.048787000	1.488531000	5.657106000
B	-0.465588000	-1.432932000	7.747970000

H	-2.048787000	-1.488531000	5.657106000
H	0.782567000	-2.408494000	5.657106000
C	0.000000000	0.000000000	8.537421000
H	2.047304000	-1.487454000	8.354787000
H	2.047304000	1.487454000	8.354787000
H	-0.782001000	2.406751000	8.354787000
H	-2.530607000	0.000000000	8.354787000
H	-0.782001000	-2.406751000	8.354787000
H	0.000000000	0.000000000	9.623825000
H	0.000000000	0.000000000	-0.273680000
68			
3 B30C6H32			
C	0.000000000	0.000000000	-3.849360000
B	-1.220787000	0.886954000	-3.063186000
B	-1.220787000	-0.886954000	-3.063186000
B	0.466299000	-1.435121000	-3.063186000
B	1.508976000	0.000000000	-3.063186000
B	0.466299000	1.435121000	-3.063186000
B	-1.512086000	0.000000000	-1.575168000
B	-0.467260000	-1.438079000	-1.575168000
B	1.223303000	-0.888782000	-1.575168000
B	1.223303000	0.888782000	-1.575168000
B	-0.467260000	1.438079000	-1.575168000
C	0.000000000	0.000000000	-0.755066000
H	-2.045062000	1.485824000	-3.677241000
H	-2.045062000	-1.485824000	-3.677241000
H	0.781144000	-2.404114000	-3.677241000
H	2.527835000	0.000000000	-3.677241000
H	0.781144000	2.404114000	-3.677241000
H	-2.529016000	0.000000000	-0.962025000
H	-0.781509000	-2.405237000	-0.962025000
H	2.046017000	-1.486518000	-0.962025000
H	2.046017000	1.486518000	-0.962025000
H	-0.781509000	2.405237000	-0.962025000
C	0.000000000	0.000000000	0.774107000
B	1.509704000	0.000000000	1.595492000
B	0.466524000	1.435814000	1.595492000
B	-1.221376000	0.887382000	1.595492000
B	-1.221376000	-0.887382000	1.595492000
B	0.466524000	-1.435814000	1.595492000
B	1.220816000	-0.886975000	3.080796000
B	1.220816000	0.886975000	3.080796000
H	2.528558000	0.000000000	0.985226000
B	-0.466310000	1.435156000	3.080796000
H	0.781367000	2.404802000	0.985226000
B	-1.509012000	0.000000000	3.080796000
H	-2.045647000	1.486249000	0.985226000
B	-0.466310000	-1.435156000	3.080796000
H	-2.045647000	-1.486249000	0.985226000
H	0.781367000	-2.404802000	0.985226000
C	0.000000000	0.000000000	3.900668000
H	2.046190000	-1.486644000	3.688117000
H	2.046190000	1.486644000	3.688117000
H	-0.781575000	2.405441000	3.688117000
H	-2.529230000	0.000000000	3.688117000
H	-0.781575000	-2.405441000	3.688117000
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B	0.466836000	1.436772000	6.248328000
B	-1.222192000	0.887974000	6.248328000
B	-1.222192000	-0.887974000	6.248328000
B	0.466836000	-1.436772000	6.248328000
B	1.219636000	-0.886118000	7.739905000
B	1.219636000	0.886118000	7.739905000
H	2.530725000	0.000000000	5.646026000
B	-0.465860000	1.433769000	7.739905000
H	0.782037000	2.406863000	5.646026000
B	-1.507554000	0.000000000	7.739905000

H	-2.047400000	1.487523000	5.646026000
B	-0.465860000	-1.433769000	7.739905000
H	-2.047400000	-1.487523000	5.646026000
H	0.782037000	-2.406863000	5.646026000
C	0.000000000	0.000000000	8.526746000
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H	2.047406000	1.487528000	8.347978000
H	-0.782040000	2.406871000	8.347978000
H	-2.530734000	0.000000000	8.347978000
H	-0.782040000	-2.406871000	8.347978000
H	0.000000000	0.000000000	9.613122000
H	0.000000000	0.000000000	-4.935649000
90			
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C	0.000000000	0.000000000	-8.513608000
B	-1.433323000	0.465715000	-7.725384000
B	-0.885842000	-1.219257000	-7.725384000
B	0.885842000	-1.219257000	-7.725384000
B	1.433323000	0.465715000	-7.725384000
B	0.000000000	1.507084000	-7.725384000
B	-1.436396000	-0.466713000	-6.233856000
B	0.000000000	-1.510316000	-6.233856000
B	1.436396000	-0.466713000	-6.233856000
B	0.887741000	1.221871000	-6.233856000
B	-0.887741000	1.221871000	-6.233856000
C	0.000000000	0.000000000	-5.415147000
C	0.000000000	0.000000000	-3.887512000
B	-1.434820000	0.466201000	-3.068189000
B	-0.886768000	-1.220531000	-3.068189000
B	0.886768000	-1.220531000	-3.068189000
B	1.434820000	0.466201000	-3.068189000
B	0.000000000	1.508660000	-3.068189000
B	-1.435406000	-0.466392000	-1.583556000
B	0.000000000	-1.509275000	-1.583556000
B	1.435406000	-0.466392000	-1.583556000
B	0.887130000	1.221029000	-1.583556000
B	-0.887130000	1.221029000	-1.583556000
C	0.000000000	0.000000000	-0.763702000
H	-2.406853000	0.782034000	-8.332541000
H	-1.487517000	-2.047391000	-8.332541000
H	1.487517000	-2.047391000	-8.332541000
H	2.406853000	0.782034000	-8.332541000
H	0.000000000	2.530715000	-8.332541000
H	-2.407119000	-0.782120000	-5.632783000
H	0.000000000	-2.530995000	-5.632783000
H	2.407119000	-0.782120000	-5.632783000
H	1.487681000	2.047618000	-5.632783000
H	-1.487681000	2.047618000	-5.632783000
H	-2.405052000	0.781449000	-3.675456000
H	-1.486404000	-2.045860000	-3.675456000
H	1.486404000	-2.045860000	-3.675456000
H	2.405052000	0.781449000	-3.675456000
H	0.000000000	2.528822000	-3.675456000
H	-2.403741000	-0.781023000	-0.972662000
H	0.000000000	-2.527443000	-0.972662000
H	2.403741000	-0.781023000	-0.972662000
H	1.485594000	2.044745000	-0.972662000
H	-1.485594000	2.044745000	-0.972662000
C	0.000000000	0.000000000	0.763702000
B	1.435406000	0.466392000	1.583556000
B	0.000000000	1.509275000	1.583556000
B	-1.435406000	0.466392000	1.583556000
B	-0.887130000	-1.221029000	1.583556000
B	0.887130000	-1.221029000	1.583556000
B	1.434820000	-0.466201000	3.068189000
B	0.886768000	1.220531000	3.068189000
H	2.403741000	0.781023000	0.972662000
B	-0.886768000	1.220531000	3.068189000

H	0.000000000	2.527443000	0.972662000
B	-1.434820000	-0.466201000	3.068189000
H	-2.403741000	0.781023000	0.972662000
B	0.000000000	-1.508660000	3.068189000
H	-1.485594000	-2.044745000	0.972662000
H	1.485594000	-2.044745000	0.972662000
C	0.000000000	0.000000000	3.887512000
H	2.405052000	-0.781449000	3.675456000
H	1.486404000	2.045860000	3.675456000
H	-1.486404000	2.045860000	3.675456000
H	-2.405052000	-0.781449000	3.675456000
H	0.000000000	-2.528822000	3.675456000
C	0.000000000	0.000000000	5.415147000
B	1.436396000	0.466713000	6.233856000
B	0.000000000	1.510316000	6.233856000
B	-1.436396000	0.466713000	6.233856000
B	-0.887741000	-1.221871000	6.233856000
B	0.887741000	-1.221871000	6.233856000
B	1.433323000	-0.465715000	7.725384000
B	0.885842000	1.219257000	7.725384000
H	2.407119000	0.782120000	5.632783000
B	-0.885842000	1.219257000	7.725384000
H	0.000000000	2.530995000	5.632783000
B	-1.433323000	-0.465715000	7.725384000
H	-2.407119000	0.782120000	5.632783000
B	0.000000000	-1.507084000	7.725384000
H	-1.487681000	-2.047618000	5.632783000
H	1.487681000	-2.047618000	5.632783000
C	0.000000000	0.000000000	8.513608000
H	2.406853000	-0.782034000	8.332541000
H	1.487517000	2.047391000	8.332541000
H	-1.487517000	2.047391000	8.332541000
H	-2.406853000	-0.782034000	8.332541000
H	0.000000000	-2.530715000	8.332541000
H	0.000000000	0.000000000	9.600008000
H	0.000000000	0.000000000	-9.600008000

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5 B50C10H52

C	0.000000000	0.000000000	10.846798000
B	-1.436060000	-0.466604000	10.061531000
B	-0.887534000	1.221586000	10.061531000
B	0.887534000	1.221586000	10.061531000
B	1.436060000	-0.466604000	10.061531000
B	0.000000000	-1.509963000	10.061531000
B	-1.439180000	0.467618000	8.571992000
B	0.000000000	1.513244000	8.571992000
B	1.439180000	0.467618000	8.571992000
B	0.889462000	-1.224240000	8.571992000
B	-0.889462000	-1.224240000	8.571992000
C	0.000000000	0.000000000	7.751038000
C	0.000000000	0.000000000	6.224591000
B	-1.437069000	-0.466932000	5.400944000
B	-0.888157000	1.222444000	5.400944000
B	0.888157000	1.222444000	5.400944000
B	1.437069000	-0.466932000	5.400944000
B	0.000000000	-1.511023000	5.400944000
B	-1.437119000	0.466948000	3.916047000
B	0.000000000	1.511076000	3.916047000
B	1.437119000	0.466948000	3.916047000
B	0.888188000	-1.222486000	3.916047000
B	-0.888188000	-1.222486000	3.916047000
C	0.000000000	0.000000000	-6.224591000
H	-2.400661000	-0.780022000	10.677176000
H	-1.483690000	2.042124000	10.677176000
H	1.483690000	2.042124000	10.677176000
H	2.400661000	-0.780022000	10.677176000
H	0.000000000	-2.524204000	10.677176000
H	-2.404579000	0.781295000	7.961672000

H	0.000000000	2.528323000	7.961672000
H	2.404579000	0.781295000	7.961672000
H	1.486111000	-2.045457000	7.961672000
H	-1.486111000	-2.045457000	7.961672000
H	-2.404101000	-0.781140000	6.008683000
H	-1.485816000	2.045050000	6.008683000
H	1.485816000	2.045050000	6.008683000
H	2.404101000	-0.781140000	6.008683000
H	0.000000000	-2.527821000	6.008683000
H	-2.404808000	0.781370000	3.309550000
H	0.000000000	2.528565000	3.309550000
H	2.404808000	0.781370000	3.309550000
H	1.486253000	-2.045652000	3.309550000
H	-1.486253000	-2.045652000	3.309550000
C	0.000000000	0.000000000	-7.751038000
B	1.439180000	-0.467618000	-8.571992000
B	0.000000000	-1.513244000	-8.571992000
B	-1.439180000	-0.467618000	-8.571992000
B	-0.889462000	1.224240000	-8.571992000
B	0.889462000	1.224240000	-8.571992000
B	1.436060000	0.466604000	-10.061531000
B	0.887534000	-1.221586000	-10.061531000
H	2.404579000	-0.781295000	-7.961672000
B	-0.887534000	-1.221586000	-10.061531000
H	0.000000000	-2.528323000	-7.961672000
B	-1.436060000	0.466604000	-10.061531000
H	-2.404579000	-0.781295000	-7.961672000
B	0.000000000	1.509963000	-10.061531000
H	-1.486111000	2.045457000	-7.961672000
H	1.486111000	2.045457000	-7.961672000
C	0.000000000	0.000000000	-10.846798000
H	2.400661000	0.780022000	-10.677176000
H	1.483690000	-2.042124000	-10.677176000
H	-1.483690000	-2.042124000	-10.677176000
H	-2.400661000	0.780022000	-10.677176000
H	0.000000000	2.524204000	-10.677176000
H	0.000000000	0.000000000	11.932556000
C	0.000000000	0.000000000	3.092315000
C	0.000000000	0.000000000	1.566304000
B	1.436811000	-0.466848000	0.742160000
B	0.000000000	-1.510752000	0.742160000
B	-1.436811000	-0.466848000	0.742160000
B	-0.887998000	1.222224000	0.742160000
B	0.887998000	1.222224000	0.742160000
B	1.436811000	0.466848000	-0.742160000
B	0.887998000	-1.222224000	-0.742160000
H	2.403629000	-0.780986000	1.349931000
B	-0.887998000	-1.222224000	-0.742160000
H	0.000000000	-2.527325000	1.349931000
B	-1.436811000	0.466848000	-0.742160000
H	-2.403629000	-0.780986000	1.349931000
B	0.000000000	1.510752000	-0.742160000
H	-1.485525000	2.044649000	1.349931000
H	1.485525000	2.044649000	1.349931000
C	0.000000000	0.000000000	-1.566304000
H	2.403629000	0.780986000	-1.349931000
H	1.485525000	-2.044649000	-1.349931000
H	-1.485525000	-2.044649000	-1.349931000
H	-2.403629000	0.780986000	-1.349931000
H	0.000000000	2.527325000	-1.349931000
C	0.000000000	0.000000000	-3.092315000
B	1.437119000	-0.466948000	-3.916047000
B	0.000000000	-1.511076000	-3.916047000
B	-1.437119000	-0.466948000	-3.916047000
B	-0.888188000	1.222486000	-3.916047000
B	0.888188000	1.222486000	-3.916047000
B	1.437069000	0.466932000	-5.400944000
B	0.888157000	-1.222444000	-5.400944000

H	2.404808000	-0.781370000	-3.309550000
B	-0.888157000	-1.222444000	-5.400944000
H	0.000000000	-2.528565000	-3.309550000
B	-1.437069000	0.466932000	-5.400944000
H	-2.404808000	-0.781370000	-3.309550000
B	0.000000000	1.511023000	-5.400944000
H	-1.486253000	2.045652000	-3.309550000
H	1.486253000	2.045652000	-3.309550000
H	2.404101000	0.781140000	-6.008683000
H	1.485816000	-2.045050000	-6.008683000
H	-1.485816000	-2.045050000	-6.008683000
H	-2.404101000	0.781140000	-6.008683000
H	0.000000000	2.527821000	-6.008683000
H	0.000000000	0.000000000	-11.932556000

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C	0.000000000	0.000000000	13.171104000
B	-1.435769000	-0.466510000	12.387280000
B	-0.887354000	1.221338000	12.387280000
B	0.887354000	1.221338000	12.387280000
B	1.435769000	-0.466510000	12.387280000
B	0.000000000	-1.509657000	12.387280000
B	-1.438696000	0.467461000	10.896115000
B	0.000000000	1.512734000	10.896115000
B	1.438696000	0.467461000	10.896115000
B	0.889163000	-1.223828000	10.896115000
B	-0.889163000	-1.223828000	10.896115000
C	0.000000000	0.000000000	10.078189000
C	0.000000000	0.000000000	8.552050000
B	-1.436276000	-0.466674000	7.731169000
B	-0.887667000	1.221769000	7.731169000
B	0.887667000	1.221769000	7.731169000
B	1.436276000	-0.466674000	7.731169000
B	0.000000000	-1.510190000	7.731169000
B	-1.436916000	0.466882000	6.245524000
B	0.000000000	1.510863000	6.245524000
B	1.436916000	0.466882000	6.245524000
B	0.888063000	-1.222314000	6.245524000
B	-0.888063000	-1.222314000	6.245524000
C	0.000000000	0.000000000	-3.891865000
H	-2.400889000	-0.780096000	13.002813000
H	-1.483831000	2.042318000	13.002813000
H	1.483831000	2.042318000	13.002813000
H	2.400889000	-0.780096000	13.002813000
H	0.000000000	-2.524444000	13.002813000
H	-2.404608000	0.781304000	10.286351000
H	0.000000000	2.528354000	10.286351000
H	2.404608000	0.781304000	10.286351000
H	1.486129000	-2.045482000	10.286351000
H	-1.486129000	-2.045482000	10.286351000
H	-2.403726000	-0.781018000	8.338702000
H	-1.485584000	2.044731000	8.338702000
H	1.485584000	2.044731000	8.338702000
H	2.403726000	-0.781018000	8.338702000
H	0.000000000	-2.527427000	8.338702000
H	-2.403533000	0.780955000	5.637518000
H	0.000000000	2.527224000	5.637518000
H	2.403533000	0.780955000	5.637518000
H	1.485465000	-2.044567000	5.637518000
H	-1.485465000	-2.044567000	5.637518000
C	0.000000000	0.000000000	-5.421362000
B	1.436916000	-0.466882000	-6.245524000
B	0.000000000	-1.510863000	-6.245524000
B	-1.436916000	-0.466882000	-6.245524000
B	-0.888063000	1.222314000	-6.245524000
B	0.888063000	1.222314000	-6.245524000
B	1.436276000	0.466674000	-7.731169000
B	0.887667000	-1.221769000	-7.731169000

H	2.403533000	-0.780955000	-5.637518000
B	-0.887667000	-1.221769000	-7.731169000
H	0.000000000	-2.527224000	-5.637518000
B	-1.436276000	0.466674000	-7.731169000
H	-2.403533000	-0.780955000	-5.637518000
B	0.000000000	1.510190000	-7.731169000
H	-1.485465000	2.044567000	-5.637518000
H	1.485465000	2.044567000	-5.637518000
C	0.000000000	0.000000000	-8.552050000
H	2.403726000	0.781018000	-8.338702000
H	1.485584000	-2.044731000	-8.338702000
H	-1.485584000	-2.044731000	-8.338702000
H	-2.403726000	0.781018000	-8.338702000
H	0.000000000	2.527427000	-8.338702000
C	0.000000000	0.000000000	-10.078189000
B	1.438696000	-0.467461000	-10.896115000
B	0.000000000	-1.512734000	-10.896115000
B	-1.438696000	-0.467461000	-10.896115000
B	-0.889163000	1.223828000	-10.896115000
B	0.889163000	1.223828000	-10.896115000
B	1.435769000	0.466510000	-12.387280000
B	0.887354000	-1.221338000	-12.387280000
H	2.404608000	-0.781304000	-10.286351000
B	-0.887354000	-1.221338000	-12.387280000
H	0.000000000	-2.528354000	-10.286351000
B	-1.435769000	0.466510000	-12.387280000
H	-2.404608000	-0.781304000	-10.286351000
B	0.000000000	1.509657000	-12.387280000
H	-1.486129000	2.045482000	-10.286351000
H	1.486129000	2.045482000	-10.286351000
C	0.000000000	0.000000000	-13.171104000
H	2.400889000	0.780096000	-13.002813000
H	1.483831000	-2.042318000	-13.002813000
H	-1.483831000	-2.042318000	-13.002813000
H	-2.400889000	0.780096000	-13.002813000
H	0.000000000	2.524444000	-13.002813000
H	0.000000000	0.000000000	-14.256627000
H	0.000000000	0.000000000	14.256627000
C	0.000000000	0.000000000	5.421362000
C	0.000000000	0.000000000	3.891865000
B	1.437167000	-0.466964000	3.066091000
B	0.000000000	-1.511127000	3.066091000
B	-1.437167000	-0.466964000	3.066091000
B	-0.888218000	1.222527000	3.066091000
B	0.888218000	1.222527000	3.066091000
B	1.436351000	0.466699000	1.580970000
B	0.887713000	-1.221833000	1.580970000
H	2.404740000	-0.781348000	3.672114000
B	-0.887713000	-1.221833000	1.580970000
H	0.000000000	-2.528494000	3.672114000
B	-1.436351000	0.466699000	1.580970000
H	-2.404740000	-0.781348000	3.672114000
B	0.000000000	1.510268000	1.580970000
H	-1.486211000	2.045594000	3.672114000
H	1.486211000	2.045594000	3.672114000
C	0.000000000	0.000000000	0.760766000
H	2.403468000	0.780934000	0.973326000
H	1.485425000	-2.044512000	0.973326000
H	-1.485425000	-2.044512000	0.973326000
H	-2.403468000	0.780934000	0.973326000
H	0.000000000	2.527156000	0.973326000
C	0.000000000	0.000000000	-0.760766000
B	1.436351000	-0.466699000	-1.580970000
B	0.000000000	-1.510268000	-1.580970000
B	-1.436351000	-0.466699000	-1.580970000
B	-0.887713000	1.221833000	-1.580970000
B	0.887713000	1.221833000	-1.580970000
B	1.437167000	0.466964000	-3.066091000

B	0.888218000	-1.222527000	-3.066091000
H	2.403468000	-0.780934000	-0.973326000
B	-0.888218000	-1.222527000	-3.066091000
H	0.000000000	-2.527156000	-0.973326000
B	-1.437167000	0.466964000	-3.066091000
H	-2.403468000	-0.780934000	-0.973326000
B	0.000000000	1.511127000	-3.066091000
H	-1.485425000	2.044512000	-0.973326000
H	1.485425000	2.044512000	-0.973326000
H	2.404740000	0.781348000	-3.672114000
H	1.486211000	-2.045594000	-3.672114000
H	-1.486211000	-2.045594000	-3.672114000
H	-2.404740000	0.781348000	-3.672114000
H	0.000000000	2.528494000	-3.672114000
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B	4.839730000	1.135168000	-5.504168000
C	3.354184000	1.200572000	-6.339819000
B	4.017524000	-0.342205000	-5.746413000
B	4.918296000	-0.015998000	-4.244178000
B	4.812571000	1.733665000	-3.906135000
B	3.844700000	2.486779000	-5.205282000
B	2.324479000	0.062149000	-5.472298000
B	3.288878000	-0.684502000	-4.175657000
B	3.779883000	0.595592000	-3.042591000
B	3.116747000	2.143968000	-3.636108000
B	2.216133000	1.811135000	-5.143047000
C	2.267543000	0.671109000	-3.849710000
B	-0.526958000	0.327589000	-3.874562000
B	-1.729398000	0.984314000	-2.748752000
B	-1.516411000	-0.775741000	-2.901828000
B	0.205410000	-1.100753000	-3.134646000
C	0.988188000	0.441301000	-3.043762000
B	-0.133952000	1.744509000	-2.880123000
B	-1.719146000	-0.041545000	-1.308815000
B	-0.523838000	-1.330767000	-1.543734000
B	1.061692000	-0.578100000	-1.680138000
B	0.848058000	1.194957000	-1.526272000
B	-0.872015000	1.517493000	-1.301665000
C	-0.125676000	0.100088000	-0.657533000
H	3.309180000	1.418291000	-7.504842000
H	4.414577000	-1.154198000	-6.514728000
H	5.916673000	-0.608336000	-4.006431000
H	5.741145000	2.309198000	-3.447543000
H	4.129047000	3.564188000	-5.612134000
H	1.396020000	-0.514597000	-5.920066000
H	3.006820000	-1.754700000	-3.756007000
H	3.821174000	0.385618000	-1.877670000
H	2.712879000	2.950070000	-2.868311000
H	1.215476000	2.395891000	-5.373302000
H	-2.707624000	1.546054000	-3.119791000
H	-2.334848000	-1.482040000	-3.390645000
H	0.689678000	-1.953790000	-3.791831000
H	0.118335000	2.793095000	-3.365163000
H	-2.628576000	-0.223274000	-0.572217000
H	-0.602584000	-2.364085000	-0.972373000
H	2.066443000	-1.036376000	-1.270672000
H	1.724127000	1.800339000	-1.025872000
H	-1.194132000	2.383904000	-0.565273000
H	5.744245000	1.300598000	-6.082711000
H	-0.544296000	0.437049000	-5.053558000
B	-4.839730000	-1.135168000	5.504168000
C	-3.354184000	-1.200572000	6.339819000
B	-4.017524000	0.342205000	5.746413000
B	-4.918296000	0.015998000	4.244178000
B	-4.812571000	-1.733665000	3.906135000
B	-3.844700000	-2.486779000	5.205282000
B	-2.324479000	-0.062149000	5.472298000

B	-3.288878000	0.684502000	4.175657000
B	-3.779883000	-0.595592000	3.042591000
B	-3.116747000	-2.143968000	3.636108000
B	-2.216133000	-1.811135000	5.143047000
C	-2.267543000	-0.671109000	3.849710000
B	0.526958000	-0.327589000	3.874562000
B	1.729398000	-0.984314000	2.748752000
B	1.516411000	0.775741000	2.901828000
B	-0.205410000	1.100753000	3.134646000
C	-0.988188000	-0.441301000	3.043762000
B	0.133952000	-1.744509000	2.880123000
B	1.719146000	0.041545000	1.308815000
B	0.523838000	1.330767000	1.543734000
B	-1.061692000	0.578100000	1.680138000
B	-0.848058000	-1.194957000	1.526272000
B	0.872015000	-1.517493000	1.301665000
C	0.125676000	-0.100088000	0.657533000
H	-3.309180000	-1.418291000	7.504842000
H	-4.414577000	1.154198000	6.514728000
H	-5.916673000	0.608336000	4.006431000
H	-5.741145000	-2.309198000	3.447543000
H	-4.129047000	-3.564188000	5.612134000
H	-1.396020000	0.514597000	5.920066000
H	-3.006820000	1.754700000	3.756007000
H	-3.821174000	-0.385618000	1.877670000
H	-2.712879000	-2.950070000	2.868311000
H	-1.215476000	-2.395891000	5.373302000
H	2.707624000	-1.546054000	3.119791000
H	2.334848000	1.482040000	3.390645000
H	-0.689678000	1.953790000	3.791831000
H	-0.118335000	-2.793095000	3.365163000
H	2.628576000	0.223274000	0.572217000
H	0.602584000	2.364085000	0.972373000
H	-2.066443000	1.036376000	1.270672000
H	-1.724127000	-1.800339000	1.025872000
H	1.194132000	-2.383904000	0.565273000
H	-5.744245000	-1.300598000	6.082711000
H	0.544296000	-0.437049000	5.053558000