## Supplementary Information

Cyclopalladation of dimesityl selenide: Synthesis, reactivity, structural characterization, isolation of an intermediate complex with C-H…Pd intramolecular interaction and computational studies

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## Preparation of Bis (2,4,6-trimethylphenyl)selenide[Mes<sub>2</sub>Se]

To a freshly prepared Na<sub>2</sub>Se (prepared by reacting Se powder with NaBH<sub>4</sub> in water under argon flow) was treated with 2,4,6-trimethylphenyl diazonium chloride (prepared by using 2,4,6trimethylaniline at 0-5°C) and allowed to stire for 2 h. The reaction mixture was allowed to warm to at 40°C and stire for additional 3 h. The crude product was extracted with dichloromethane and the solvent was evaporeted under reduced pressure and the residue was. colum chromatographed using hexane as the eluent and the ligand was crystallized from hexane (yield 60%, mp: 105°C). Analysis Calcd. for C<sub>18</sub>H<sub>22</sub>Se: C, 68.13; H, 6.99. Found: C, 68.3; H, 6.8%. <sup>1</sup>H NMR (CDCl<sub>3</sub>)  $\delta$ : 2.24 (s, 3H, 4-Me); 2.26(s, 6H, 2,6 -Me); 6.85 (s, 2H, 3,5 –H ). <sup>77</sup>Se {<sup>1</sup>H} NMR (CDCl<sub>3</sub>)  $\delta$ : 234 ppm.



Fig. S-1 Crystal packing of  $[Pd_2Cl_2(\mu-Cl)_2(Mes_2Se)_2]$ 



Fig. S-2 ORTEP drawing showing both the molecules of  $[Pd_2(\mu-Cl)_2\{MesSeC_6H_2(Me_2)CH_2\}_2]$  and crystal packing diagram



Fig. S-3 Molecular representation of  $[Pd_2(\mu-Spy)_2\{MesSeC_6H_2(Me_2)CH_2\}_2]$  (3a) showing  $\pi$ - $\pi$  staking.



Fig. S-4 Molecular representation of  $[Pd_2(\mu-Sepy)_2\{MesSeC_6H_2(Me_2)CH_2\}_2]$  (**3b**) almost parallel mesityl and Sepy rings





**Figure S5**. Optimized geometries of transition states (B3LYP/6-31G\*\*, LANL2DZ(Pd) level of theory) involved in different mechanistic pathways. Distances are in Å. Only select hydrogens are shown. Atom colors: C, black; H, ivory; O, red; Cl, yellow; Pd, green; Se, pink.

**Table S1**. Relative Energies (kcal/mol) with respect to intermediate 1 for transition states involved in Pd catalyzed C–H activation

Transition		B3LYP/	$\Delta G_{gas}(R^1=Me)$	
States	$\Delta G_{gas}$		$\Delta G_{EtOH}(R^1=Et)$	M06/6-31G**
TS(1-4)	32	.0	25.7	32.1
	R <sup>1</sup> =Me	$R^1 = Et$		
TS(1-4)'	38.5 37.3		33.25	35.4
TS(5-6)	59.8	59.9	49.61	
TS(1-9)	69.7	70.1	-	
TS(7-4)	52.3	52.5	55.52	
TS(4-2)	31	.4	26.0	
TS(10–11)	32.8		51.0	
TS(10–11)'	41.9		59.9	
TS(1-7)	42	.9	36.5	



**Figure S6.** Gibbs free energy profile (in kcal/mol) for the formation of  $[Pd_2(\mu-Cl)_2\{MesSeC_6H_2(Me_2)CH_2\}_2]$  (2) from PdCl<sub>2</sub> and Mes<sub>2</sub>Se obtained at the SMD<sub>(EtOH)</sub>/B3LYP/6-31G\*\*//B3LYP/6-31G\*\* level of theory



Transition states with explicit treatment of one and two molecule of EtOH:

**Figure S7**. Optimized geometries of important transition states with explicit solvent treatment. Distances are in Å. Only select hydrogens are shown. Atom colors: C, black; H, ivory; O, red; Cl, yellow; Pd, green; Se, pink.

**Table S2**. Relative Energies (kcal/mol) with respect to intermediate 1 for transition states involved in Pd catalyzed C–H activation

Transition States	B3LYP/6-31G**				
	$\Delta G_{gas}$	$\Delta G_{EtOH}(R^1=Et)$			
TS(1-4)1EtOH	34.1	34.1			
TS(1-4)2EtOH	34.5	41.9			
TS(1-4)EtOH-EtOH	34.3	39.7			

Optimized structure of intermediate crystal structure:



Figure S8. Optimized geometries of important crystal structure. Only select hydrogens are shown.



Scheme S1. Mechanistic pathways for Formation of  $[Pd_2(\mu-Cl)_2\{MesSeC_6H_2(Me_2)CH_2\}_2]$  from trans- $[PdCl_2Se(Mes)_2]$  (10).



**Scheme S2**. C–H activation by ligand –OR<sup>1</sup>.

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Scheme S3. Oxidative addition on one of the palladium centers.



Scheme S4. Oxidative addition of MeOH/EtOH on palladium of  $[Pd_2(\mu-Cl)_2(Se(Mes)_2)_2Cl_2]$  complex.

	$[Pd_2(\mu-Cl)_2(Se(Mes)_2)_2Cl_2]$ (1)	$[Pd_{2}(\mu-Cl)_{2}\{MesSeC_{6}H_{2}(Me_{2})CH_{2}\}_{2}] (2)$			
	$\mathbf{E} = -8290.7284936$	$\mathbf{E} = -7369.0942766$			
	G = -8290.126928		G = -7368.512822		
	$\mathbf{Nimag} = 0$		Nimag = 0		
6	4 522618 1 814940 -0 160221	6	-4.933947 -1.389664 -0.229523		
6	3 921046 2 615644 0 831808	6	-4.187246 -2.416210 0.353471		
6	4 468177 3 885506 1 055854	6	-4.878851 -3.554058 0.802222		
1	4.013135 4.511395 1.819440	1	-4.312189 -4.367227 1.250437		
6	5.563392 4.374291 0.341351	6	-6.265979 -3.655417 0.700960		
6	6.113912 3.559243 -0.648950	6	-6.975058 -2.592805 0.118668		
1	6.954759 3.924451 -1.233384	1	-8.056667 -2.663625 0.025906		
6	5.610316 2.284582 -0.929708	6	-6.334166 -1.453067 -0.367792		
6	2.724928 2.207104 1.656795	6	-2.691143 -2.326225 0.542064		
1	2.525582 2.959012 2.424504	1	-2.190515 -3.223049 0.163409		
1	2.867765 1.244925 2.156349	1	-2.443787 -2.225952 1.606197		
6	6.141398 5.735894 0.642174	6	-6.999448 $-4.875063$ $1.207382$		
1	5.360434 6.447627 0.925981	1	-6.303601 -5.653149 1.531947		
1	6.676720 6.142901 -0.220330	1	-7.645036 -5.301925 0.431772		
1	6.853029 5.685104 1.475692	1	-7.643169 -4.626110 2.059464		
6	6.251931 1.481999 -2.038430	6	-7.127886 -0.350576 -1.024081		
1	6.742296 0.578913 -1.660892	1	-7.046572 0.591833 -0.472290		
1	7.006199 2.082437 -2.552333	1	-8.185899 -0.617262 -1.085367		
1	5.513465 1.162013 -2.781467	1	-6.769402 -0.157764 -2.042128		
6	5.234383 -1.214640 -0.190755	6	-4.390053 1.661880 -0.080750		
6	5.390371 -2.270698 -1.116112	6	-4.705686 2.767234 -0.900341		
6	6.392143 -3.215018 -0.874664	6	-5.073760 3.965596 -0.280655		
1	6.513442 -4.034650 -1.578626	1	-5.313847 4.821893 -0.906407		
6	7.230264 -3.139644 0.239884	6	-5.134135 4.095830 1.108855		
6	7.027216 -2.094014 1.142200	6	-4.793145 2.987918 1.886496		
1	7.648222 -2.034738 2.032755	1	-4.811255 3.074570 2.970306		
6	6.033554 -1.123238 0.966009	6	-4.410190 1.763325 1.324900		
6	4.505291 -2.442211 -2.330477	6	-4.63/330 2.722135 -2.411161		
1	4.812644 -3.321247 -2.901926		-4.946255 3.682212 -2.832035		
1	4.544744 -1.575226 -2.998072		-5.284891 1.945175 -2.829967		
1	3.455500 -2.582869 -2.048003	I	-3.620385 2.516528 -2.762246		
6	8.328196 -4.152162 0.457894	6	-5.569299 5.392137 1.748813		
1	9.267105 -3.820706 -0.003451		-6.661306 5.435595 1.847944		
1	8.072689 -5.120011 0.016887		-5.263553 6.255/65 1.15061/		
1	8.525319 -4.304335 1.523061	I	-5.146486 5.505187 2.751272		
6	5.865096 -0.069623 2.031506	0			
1	6.445027 -0.341296 2.916970		-3.999951 0.985105 3.285008		
1	4.817645 0.009993 2.330793		-3.019320 0.238817 1.993283		
1	6.203356 0.915625 1.698203	17	-4.700097 -0.207852 2.179825 0.412262 1.220071 1.275200		
34	3.841451 0.058681 -0.686143	24	-0.415202 $1.259971$ $-1.275299$		
46	1.674615 -0.567472 0.308952	54 46	-5.882705 $0.028784$ $-1.029188$		
6	-4.620953 -1.741248 0.274554	40	-1.707794 -0.741793 -0.290003		
6	-4.208188 -2.610496 -0.755593	6	4.069745 1.465054 0.496501		
6	-4.86//43 -3.842489 -0.864461	6	5,700757 2.4557753 -0.200772 1 503718 3 687752 0 111951		
l	-4.558624 -4.520040 -1.656346	1	4.072682 / 157515 0.080620		
6	-5.894326 -4.230156 -0.002/31	6	5 002183 3 038450 0 032081		
6	-6.257856 -3.349219 1.017732	6	5.702105 5.750 <del>4</del> 57 -0.055081 6.503250 2.020261 0.656210		
1	-7.042244 -3.633848 1.714888	1	0.393230 2.929201 0.030310 7.611535 3.116018 0.000634		
6	-5.635509 -2.108627 1.186989	6	6 007532 1 607288 0 049414		
6	-3.098354 -2.319865 -1./36094	6	0.007332 $1.097200$ $0.7404140.570585$ $0.205765$ $0.721249$		
1	-3.111982 -3.053281 -2.546411	U	2.570505 2.205705 -0.721548		

1	-3 179385 -1 324976 -2 180454		1,900,914,2,0140,92,0,42270,7
6		1	1.090044 5.014005 -0.455797
0	-6.602221 -5.551623 -0.179021	1	2.575957 2.143774 -1.816833
1	-5.946694 -6.298654 -0.635571	6	6.571791 5.262253 -0.318081
1	-6.955683 -5.946809 0.777886	1	5.883533 5.962996 -0.797874
1	-7 478254 -5 443566 -0 830710	1	6 939322 5 728361 0 603090
6	6 0731/3 1 232850 2 338670	1	7 436100 5 135587 0 080511
0	-0.075145 -1.252050 -2.550070	1 6	7.450199 $5.155507$ $-0.900511$
1	-0.312013 -0.290708 1.993098	0	0.708750 $0.035501$ $1.727571$
1	-6.820952 -1./502/6 2.944133	1	6.938355 -0.2518/4 1.134//6
1	-5.2298/1 -0.9/9556 2.99024/	1	7.741170 1.037677 2.044971
6	-5.120349 1.316703 0.227123	1	6.216599 0.349865 2.624583
6	-5.197772 2.369708 1.165445	6	4.572767 -1.593937 0.133767
6	-6.178890 3.347916 0.978472	6	4.834288 -2.703384 0.966873
1	-6.240453 4.163592 1.694766	6	5.473106 -3.814180 0.407080
6	-7.069371 3.310446 -0.096658	1	5.672693 -4.673788 1.042426
6	-6.939213 2.269993 -1.018377	6	5.851776 -3.854547 -0.936919
1	-7 599636 2 241299 -1 881633	6	5 555097 -2 748475 -1 735041
6	-5 970285 1 266864 -0 895701	1	5 81911/ _2 769268 _2 789727
6	4 252084 2 504206 2 330207	6	4.010607 + 1.610140 + 1.234515
1	-+.23270+ 2.304270 2.337277 4.407202 2.207220 2.010480		4.710007 - 1.010147 - 1.234313
	-4.47/270 3.37/307 2.919489	0	4.4300/0 -2.730082 2.424312
1	-4.300611 1.642009 3.012256	1	4.749290 -3.701641 2.870069
1	-3.211926 2.598936 2.010345	1	4.875844 -1.941794 3.005053
6	-8.144574 4.357938 -0.253595	1	3.344619 -2.680346 2.544458
1	-9.069288 4.051441 0.251563	6	6.571607 -5.053920 -1.504901
1	-7.838087 $5.314058$ $0.180484$	1	7.655688 -4.969523 -1.357025
1	-8.389193 4.524356 -1.306692	1	6.249515 -5.980201 -1.019708
6	-5.867617 0.231014 -1.985180	1	6.396120 -5.153486 -2.579919
1	-6.531264 0.491827 -2.813156	6	4.587566 -0.486671 -2.185354
1	-4.846793 0.194526 -2.374731	1	4.844355 -0.769345 -3.209160
1	-6 140212 -0 768938 -1 637867	1	3 519249 -0 244537 -2 152234
17	-0.579621 $-1.211275$ $0.997448$	1	5,131380 = 0.429961 = 1.938679
3/	3 7639/1 0 021302 0 650982	17	0.428264 + 1.717028 + 0.300206
34	-5.7059+1 $-0.021502$ $0.050982$	24	0.420204 -1.717920 0.390290
40	-1.040220 $0.346203$ $-0.333400$	54	3.072891 - 0.087873 - 0.990310
	1.825399 2.120574 1.038015	//6	1.63/06/ 0.468548 -0.190/73
	0 110100 0 070015 1 051700	40	1.057007 0.400540 0.190225
1	-2.118100 -2.379815 -1.251792	40	1.057007 0.400540 0.170225
1 17	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802	40	1.057007 0.400540 0.170225
1 17 17	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887	40	1.057007 0.400540 0.170225
1 17 17 17	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804	40	1.057007 0.400540 0.170225
1 17 17 17	-2.118100-2.379815-1.251792-2.5624661.872963-2.0558022.619187-1.8034792.0428870.5866580.705266-1.467804	40	1.057007 0.400540 0.170225
1 17 17 17	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804	40	PdCl
1 17 17 17 17 [Pd <sub>2</sub> ()	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 u-Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ] (3a)	+0	PdCl <sub>2</sub>
1 17 17 17 17 [Pd <sub>2</sub> ()	$-2.118100 -2.379815 -1.251792$ $-2.562466 1.872963 -2.055802$ $2.619187 -1.803479 2.042887$ $0.586658 0.705266 -1.467804$ $\mu-Spy)_{2}\{MesSeC_{6}H_{2}(Me_{2})CH_{2}\}_{2}\} (3a)$ $\mathbf{E} = -7740.4467997$	+0	PdCl <sub>2</sub>
1 17 17 17 [Pd <sub>2</sub> ()	$-2.118100 -2.379815 -1.251792$ $-2.562466 1.872963 -2.055802$ $2.619187 -1.803479 2.042887$ $0.586658 0.705266 -1.467804$ $\mu-Spy)_2\{MesSeC_6H_2(Me_2)CH_2\}_2\} (3a)$ $E = -7740.4467997$ $G = -7739 713517$		$PdCl_2$ $E = -1047.1182173$ $C = -1047.1182173$
1 17 17 17 [Pd <sub>2</sub> ()	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ] (3a) E = -7740.4467997 G = -7739.713517 Nimeg = 0	+0	$PdCl_2$ $E = -1047.1182173$ $G = -1047.143751$
1 17 17 17 [Pd <sub>2</sub> ()	$-2.118100 -2.379815 -1.251792$ $-2.562466 1.872963 -2.055802$ $2.619187 -1.803479 2.042887$ $0.586658 0.705266 -1.467804$ $\mathbf{\mu}-\mathbf{Spy}_{2}\{\mathbf{MesSeC_{6}H_{2}(Me_{2})CH_{2}\}_{2}\}(\mathbf{3a})$ $\mathbf{E} = -7740.4467997$ $\mathbf{G} = -7739.713517$ $\mathbf{Nimag} = 0$	+0	$PdCl_{2}$ E = -1047.1182173 G = -1047.143751 Nimag = 0
1 17 17 17 [Pd <sub>2</sub> ()	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 <b>u-Spy</b> ) <sub>2</sub> { <b>MesSeC</b> <sub>6</sub> <b>H</b> <sub>2</sub> ( <b>Me</b> <sub>2</sub> ) <b>CH</b> <sub>2</sub> } <sub>2</sub> ] (3a) <b>E</b> = -7740.4467997 <b>G</b> = -7739.713517 <b>Nimag</b> = 0 1.210505 - 2.846664 - 1.458087	+0	$PdCl_{2}$ $E = -1047.1182173$ $G = -1047.143751$ Nimag = 0
1 17 17 17 [Pd <sub>2</sub> ()	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 <b>u-Spy</b> ) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ] (3a) <b>E</b> = -7740.4467997 <b>G</b> = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 1.708900 4.027096 2.065720	40	$PdCl_{2}$ $E = -1047.1182173$ $G = -1047.143751$ Nimag = 0 0.000000 0.000000
1 17 17 17 [Pd <sub>2</sub> ()	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ](3a) E = -7740.4467997 G = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 -1.798809 -4.027986 2.065729	46	$PdCl_{2}$ $E = -1047.1182173$ $G = -1047.143751$ Nimag = 0 0.000000 0.000000 0.000000 0.000000 2.312625
1 17 17 17 [Pd <sub>2</sub> ()	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ](3a) E = -7740.4467997 G = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 -1.798809 -4.027986 2.065729 -1.543444 -4.221765 3.101334	46 17 17	$PdCl_{2}$ $E = -1047.1182173$ $G = -1047.143751$ $Nimag = 0$ $0.000000  0.000000  0.000000$ $0.000000  2.312625$ $0.000000  0.000000  -2.312625$
1 17 17 17 [Pd <sub>2</sub> () 6 6 1 6	$\begin{array}{rll} -2.118100 & -2.379815 & -1.251792 \\ -2.562466 & 1.872963 & -2.055802 \\ 2.619187 & -1.803479 & 2.042887 \\ 0.586658 & 0.705266 & -1.467804 \end{array}$	46 17 17	PdCl <sub>2</sub> $E = -1047.1182173$ $G = -1047.143751$ Nimag = 0         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000
1 17 17 17 [Pd <sub>2</sub> () 6 6 1 6	$\begin{array}{rll} -2.118100 & -2.379815 & -1.251792 \\ -2.562466 & 1.872963 & -2.055802 \\ 2.619187 & -1.803479 & 2.042887 \\ 0.586658 & 0.705266 & -1.467804 \\ \end{array}$	46 17 17	PdCl <sub>2</sub> $E = -1047.1182173$ $G = -1047.143751$ Nimag = 0         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000
$ \begin{array}{c} 1 \\ 1 \\ 17 \\ 17 \\ 17 \\ \hline  \begin{bmatrix} \mathbf{Pd}_2(\mathbf{y}) \\ 6 \\ 6 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\begin{array}{rll} -2.118100 & -2.379815 & -1.251792 \\ -2.562466 & 1.872963 & -2.055802 \\ 2.619187 & -1.803479 & 2.042887 \\ 0.586658 & 0.705266 & -1.467804 \\ \end{array}$	46 17 17	PdCl <sub>2</sub> $E = -1047.1182173$ $G = -1047.143751$ Nimag = 0         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000
$ \begin{array}{c} 1 \\ 1 \\ 17 \\ 17 \\ 17 \\ \hline  \begin{bmatrix} \mathbf{Pd}_2(\mathbf{y}) \\ 6 \\ 6 \\ 1 \\ 6 \\ 1 \\ 6 \\ 1 \\ 6 \\ 1 \\ 6 \\ 1 \\ 6 \\ 1 \end{array} $	$\begin{array}{rll} -2.118100 & -2.379815 & -1.251792 \\ -2.562466 & 1.872963 & -2.055802 \\ 2.619187 & -1.803479 & 2.042887 \\ 0.586658 & 0.705266 & -1.467804 \\ \end{array}$	46 17 17	PdCl <sub>2</sub> $E = -1047.1182173$ $G = -1047.143751$ Nimag = 0         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000         0.000000       0.000000
$ \begin{array}{c} 1 \\ 1 \\ 17 \\ 17 \\ 17 \\ \hline  \begin{bmatrix} \mathbf{Pd}_2(\mathbf{y}) \\ 6 \\ 6 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ](3a) E = -7740.4467997 G = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 -1.798809 -4.027986 2.065729 -1.543444 -4.221765 3.101334 -2.569103 -4.918564 1.339085 -2.939858 -5.827088 1.806102 -2.844919 -4.643248 -0.006315 -3.429588 -5.317563 -0.622094 -2.341981 -3.468372 -0.541488	46 17 17	$PdCl_2$ $E = -1047.1182173$ $G = -1047.143751$ $Nimag = 0$ 0.000000 0.000000 0.000000 0.000000 2.312625 0.000000 0.000000 -2.312625 (Mes) <sub>2</sub> Se
$ \begin{array}{c} 1 \\ 1 \\ 17 \\ 17 \\ 17 \\ \hline  \left[ Pd_2(y) \\ 6 \\ 6 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ](3a) E = -7740.4467997 G = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 -1.798809 -4.027986 2.065729 -1.543444 -4.221765 3.101334 -2.569103 -4.918564 1.339085 -2.939858 -5.827088 1.806102 -2.844919 -4.643248 -0.006315 -3.429588 -5.317563 -0.622094 -2.341981 -3.468372 -0.541488 -2.515979 -3.203193 -1.579556	46 17 17	$PdCl_2$ $E = -1047.1182173$ $G = -1047.143751$ $Nimag = 0$ 0.000000 0.000000 0.000000 0.000000 2.312625 0.000000 0.000000 -2.312625 (Mes) <sub>2</sub> Se
$ \begin{array}{c} 1 \\ 1 \\ 17 \\ 17 \\ 17 \\ \hline  \left[ Pd_2(y) \\ 6 \\ 6 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ](3a) E = -7740.4467997 G = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 -1.798809 -4.027986 2.065729 -1.543444 -4.221765 3.101334 -2.569103 -4.918564 1.339085 -2.939858 -5.827088 1.806102 -2.844919 -4.643248 -0.006315 -3.429588 -5.317563 -0.622094 -2.341981 -3.468372 -0.541488 -2.515979 -3.203193 -1.579556 0.974385 1.005990 2.116646	46 17 17	$PdCl_{2}$ $E = -1047.1182173$ $G = -1047.143751$ $Nimag = 0$ $0.000000  0.000000  0.000000$ $0.000000  0.312625$ $0.000000  0.000000  -2.312625$ $(Mes)_{2}Se$ $E = -3098 \ 1397274$
$ \begin{array}{c} 1 \\ 1 \\ 17 \\ 17 \\ 17 \\ \hline  \left[ Pd_2(y) \\ 6 \\ 6 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ](3a) E = -7740.4467997 G = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 -1.798809 -4.027986 2.065729 -1.543444 -4.221765 3.101334 -2.569103 -4.918564 1.339085 -2.939858 -5.827088 1.806102 -2.844919 -4.643248 -0.006315 -3.429588 -5.317563 -0.622094 -2.341981 -3.468372 -0.541488 -2.515979 -3.203193 -1.579556 0.974385 1.005990 2.116646 -0.092936 1.240077 2.172104	46 17 17	$PdCl_{2}$ $E = -1047.1182173$ $G = -1047.143751$ $Nimag = 0$ $0.000000  0.000000  0.000000$ $0.000000  0.312625$ $0.000000  0.000000  -2.312625$ $(Mes)_{2}Se$ $E = -3098.1397274$ $G = -3097.844511$
$ \begin{array}{c} 1 \\ 1 \\ 17 \\ 17 \\ 17 \\ \hline  \begin{bmatrix} \mathbf{Pd}_2(\mathbf{y} \\ \mathbf{f} \\ $	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ](3a) E = -7740.4467997 G = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 -1.798809 -4.027986 2.065729 -1.543444 -4.221765 3.101334 -2.569103 -4.918564 1.339085 -2.939858 -5.827088 1.806102 -2.844919 -4.643248 -0.006315 -3.429588 -5.317563 -0.622094 -2.341981 -3.468372 -0.541488 -2.515979 -3.203193 -1.579556 0.974385 1.005990 2.116646 -0.092936 1.240077 2.172104 1.278820 0.668435 3.116804	46 17 17	$PdCl_{2}$ $E = -1047.1182173$ $G = -1047.143751$ $Nimag = 0$ $0.000000  0.000000  0.000000$ $0.000000  0.312625$ $0.000000  0.000000  -2.312625$ $(Mes)_{2}Se$ $E = -3098.1397274$ $G = -3097.844511$ $Nimag = 0$
$ \begin{array}{c} 1 \\ 1 \\ 17 \\ 17 \\ 17 \\ \hline  \begin{bmatrix} \mathbf{Pd}_2(\mathbf{y}) \\ 6 \\ 6 \\ 1 \\ 1 \\ 6 \\ 1 \\ 1 \\ 6 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	-2.118100 -2.379815 -1.251792 -2.562466 1.872963 -2.055802 2.619187 -1.803479 2.042887 0.586658 0.705266 -1.467804 $\mu$ -Spy) <sub>2</sub> {MesSeC <sub>6</sub> H <sub>2</sub> (Me <sub>2</sub> )CH <sub>2</sub> } <sub>2</sub> ](3a) E = -7740.4467997 G = -7739.713517 Nimag = 0 -1.310505 -2.846664 1.458087 -1.798809 -4.027986 2.065729 -1.543444 -4.221765 3.101334 -2.569103 -4.918564 1.339085 -2.939858 -5.827088 1.806102 -2.844919 -4.643248 -0.006315 -3.429588 -5.317563 -0.622094 -2.341981 -3.468372 -0.541488 -2.515979 -3.203193 -1.579556 0.974385 1.005990 2.116646 -0.092936 1.240077 2.172104 1.278820 0.668435 3.116804 1.762052 2.245415 1.750176	46 17 17	$PdCl_{2}$ $E = -1047.1182173$ $G = -1047.143751$ $Nimag = 0$ $0.000000  0.000000  0.000000$ $0.000000  0.000000  2.312625$ $0.000000  0.000000  -2.312625$ $(Mes)_{2}Se$ $E = -3098.1397274$ $G = -3097.844511$ $Nimag = 0$

(	2 (05220	2 200005	0.700712				
6	2.695238	2.280805	0.709713	-	1	0.404075	0.1.10.510
6	3.443706	3.435048	0.401359	6	-1.525696	-0.404975	-0.143510
6	3.240024	4.566122	1.191927	6	-2.612787	-0.618316	0.732159
1	3.812361	5.465760	0.975406	6	-3.744624	0.195489	0.607239
6	2.307707	4.581732	2.240861	1	-4.582007	0.029301	1.281322
6	1.578326	3.422076	2.498093	6	-3.830061	1.210087	-0.348640
1	0.851916	3.414590	3.307949	6	-2.748801	1.381140	-1.215590
6	4.430726	3.472432	-0.739231	1	-2.802308	2.147585	-1.985925
1	5.282691	2.807104	-0.561914	6	-1.598328	0.586269	-1.145184
1	4.816614	4.484507	-0.885780	6	-2.608812	-1.701346	1.786139
1	3 962956	3 147803	-1 675792	1	-3 505969	-1 635539	2 407636
6	2 095887	5 836641	3 05/917	1	-1 730089	-1 630196	2.107050
1	2.095887	6 230041	3.034917	1	5 045273	2 102782	0.433706
1	1 440102	5 65 2205	2 010147	0	5.045275	1 596299	0.001222
1	1.440102	3.032303	3.910147	1	-3.94/101	1.380388	-0.091225
I	1.038827	0.029000	2.449913	1	-5.218/82	2.446012	-1.458248
6	4.569524	0.027207	-0.291621	I	-4.925204	2.996617	0.191666
6	5.232838	-0.180751	0.934744	6	-0.501263	0.808849	-2.156536
6	6.535081	-0.696364	0.897735	1	0.396625	1.238834	-1.702006
1	7.052804	-0.859404	1.840348	1	-0.839102	1.485839	-2.945663
6	7.180405	-1.016114	-0.297993	1	-0.199831	-0.137407	-2.617655
6	6.483450	-0.818670	-1.492771	6	1.525714	-0.405054	0.143512
1	6.959814	-1.077552	-2.435609	6	2.612779	-0.618229	-0.732252
6	5.184854	-0.299666	-1.520240	6	3.744590	0.195573	-0.607261
6	4.606900	0.109801	2.275190	1	4.581944	0.029518	-1.281416
1	4.500792	1.185158	2.450144	6	3.830045	1.210035	0.348786
1	5 220149	-0 304659	3 079734	6	2 748839	1 380913	1 215811
1	3 601808	-0.321410	2 343947	1	2 802357	2 147249	1 986252
6	1 / 198/161	-0.124425	-2.857565	6	1 598371	0 586012	1.1/5338
1	3 556134	0.124423	2.037503	6	2 608747	1 701079	1.145550
1	5 146820	0 477471	2.515705	1	2.000747	1 635244	2 407870
1	J.140829	-0.4//4/1	-3.003001	1	1 720059	-1.033244	-2.407870
I C	4.230134	0.920013	-5.054425	1	1.750056	-1.029741	-2.434409
0	1.310855	-2.840024	-1.45//18	I	2.580457	-2.702380	-1.341148
0	1./9931/	-4.02/891	-2.065336	6	5.045257	2.102/32	0.433852
l	1.544015	-4.221708	-3.100949	1	4.926401	2.995121	-0.193813
6	2.569691	-4.918372	-1.338658	1	5.947585	1.585412	0.094068
1	2.940580	-5.826850	-1.805656	1	5.217096	2.448279	1.457888
6	2.845416	-4.643019	0.006753	6	0.501355	0.808405	2.156784
1	3.430138	-5.317263	0.622557	1	0.839181	1.485369	2.945939
6	2.342315	-3.468203	0.541903	1	0.200064	-0.137921	2.617854
1	2.516227	-3.203002	1.579981	1	-0.396615	1.238327	1.702357
6	-0.974303	1.005802	-2.116484	34	-0.000011	-1.598958	-0.000104
1	0.093015	1.239839	-2.172113	1	-2.586611	-2.702574	1.340697
1	-1.278920	0.668212	-3.116579				
6	-1.761886	2.245259	-1.749953				
6	-2.695296	2.280573	-0.709688				
6	-3.443732	3,434844	-0.401327				
6	-3 239779	4 566013	-1 191684				
1	-3 812077	5 465673	-0.975157				
6	-2 307217	1 581701	-2 240402				
6	_1 577976	3 100000	_2.2-10-102				
1	-1.577670	3.422020	-2.497041				
	-0.031277	2 472104	-3.30/32/				
0	-4.430923	2.147942	0./39114				
1	-3.903198	3.14/843	1.0/3/99				
1	-5.282713	2.806643	0.561809				
l	-4.81/059	4.484207	0.885435				
6	-2.095136	5.836709	-3.054236				
1	-3.043622	6.230881	-3.435741				

1	-1.438810 5.652556 -3.909090	
1	-1.638595 6.629179 -2.448903	
6	-4.569851 0.027059 0.291162	
6	-5.185464 -0.299909 1.519665	
6	-6 484120 -0 818610 1 491928	
1	-6 960703 -1 077520 2 434660	
6	7 181004 1 015696 0 296096	
0	-7.101004 -1.013090 0.290990	
0	-0.333410 $-0.093696$ $-0.696349$	
l	-7.053078 -0.858637 -1.841248	
6	-5.233015 -0.180590 -0.935298	
6	-4.499162 -0.125061 2.857089	
1	-3.557161 -0.680102 2.915299	
1	-5.147826 -0.477756 3.663096	
1	-4.258196 0.925217 3.053988	
6	-8.596266 -1.542459 0.301957	
1	-9.319362 -0.729764 0.446277	
1	-8.753107 -2.261802 1.111665	
1	-8.843904 -2.034391 -0.643187	
6	-4.606851 0.110063 -2.275621	
1	-4.501292 1.185465 -2.450709	
1	-5.219683 -0.304836 -3.080258	
1	-3 601540 -0 320651 -2 344052	
7	-1 610421 -2 579703 0 163244	
7	1.610692 $2.570618$ $0.163244$	
16	1.010000 -2.579010 -0.102005 0.255202 -1.720769 -2.422064	
10	-0.555592 $-1.759708$ $2.452904$	
10	0.355644 -1.739849 -2.432639	
34	2./394/0 0./0452/ -0.414852	
34	-2.739784 0.704221 0.414771	
46	1.190217 -0.673566 0.940257	
46	-1.190127 -0.673708 -0.940035	
6	8.595598 -1.543107 -0.303080	
1	8.754514 -2.256493 -1.117617	
1	9.319220 -0.729470 -0.439326	
1	8.840666 -2.042031 0.639103	
	trans-[PdCl <sub>2</sub> (Se(Mes) <sub>2</sub> ) <sub>2</sub> ] (10)	trans-[PdCl <sub>2</sub> Se(Mes) <sub>2</sub> (EtOH)] (5)
	$\mathbf{E} = -7243.5095118$	$\mathbf{E} = -4261.0963891$
	G = -7242.898490	G = -4260.756262
	Nimag = 0	Nimag = 0
	8	8
6	-3.450908 1.563668 0.271555	6 -0.962450 1.727545 0.167452
6	-3.024221 2.517143 -0.674920	6 -0.358364 2.560591 -0.792694
6	-3 865375 3 611521 -0 920170	6 -1.010422 3.761629 -1.110424
1	-3 544617 4 350514 -1 650353	1 -0.554581 - 4.409436 - 1.854853
6	-5 085379 3 788388 -0 267392	6 -2.207138 - 4.153265 -0.513000
6	5 461851 2 834051 0 680328	6 - 2.207136 - 4.155265 - 0.515000
0	6 308887 2 057085 1 218252	1 - 2.704390 - 3.500073 - 0.449291 1 - 2.601357 - 2.503713 - 0.040120
1	-0.570007 - 2.757705 - 1.210252	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
0	-4.003101 1.724302 0.770472 1.716090 0.454520 1.404415	0 -2.103001 2.100143 0.813917 6 3.994749 5.440272 0.995920
0	-1.710000 2.434332 $-1.424413$	U -2.004/40 J.4470/J -U.88380U
1	-1./12//4 5.189436 -2.234096	1 -2.28/8/5 0.022296 -1.000440
1	-1.534285 1.468539 -1.858864	1 -3.800329 5.26/658 -1.338/14
6	-5.9/8998 4.962123 -0.588033	1 -3.049473 6.078514 -0.003916
1	-5.401639 5.816854 -0.951992	6 -2.823376 1.260812 1.886230
1	-6.547480 $5.283635$ $0.289886$	1 -2.142391 1.072024 2.723295
1	-6.705345 4.702091 -1.368285	1 -3.703528 1.774185 2.280265
6	-5.140128 0.762819 2.041348	1 -3.146472 0.287357 1.503875

1	-5.339006	-0.234137	1.635496	6	-1.369192	-1.345155	0.174469	
1	-6.063101	1.129183	2.497389	6	-1.948292	-1.381244	-1.109190	
1	-4.394070	0.647020	2.834709	6	-2.832867	-2.429297	-1.391720	
6	-3.401514	-1.511529	0.124816	1	-3.288881	-2.463805	-2.378162	
6	-3.558342	-2.567126	1.050265	6	-3.129748	-3.434713	-0.470432	
6	-4 312018	-3 680951	0.665044	6	-2 511290	-3 380323	0 780598	
1	-4 433442	-4 496679	1 373772	1	-2 716209	-4 159302	1 511026	
6	4 004652	3 776034	0.505280	1	1 628301	2 354276	1.120156	
0	-4.904032	-3.770034	1 402602	0	-1.028301	-2.334270	2 100472	
0	-4.702024	-2.720079	-1.495002	0	-1.043314	-0.380022	-2.1994/2	
I	-3.120392	-2.793024	-2.492477	1	-2.091233	-0./13880	-5.141018	
6	-3.94///9	-1.592253	-1.1/2155	1	-2.033894	0.610772	-1.9/4538	
6	-2.929191	-2.561867	2.426481	l	-0.565/63	-0.308812	-2.351041	
l	-3.182541	-3.480938	2.960881	6	-4.056214	-4.570732	-0.830013	
1	-3.265324	-1.714552	3.032328	1	-4.783204	-4.269804	-1.589885	
1	-1.836487	-2.501624	2.372278	1	-3.492747	-5.420420	-1.235067	
6	-5.745256	-4.971059	-0.975140	1	-4.605235	-4.932571	0.044561	
1	-6.811326	-4.774033	-0.805121	6	-0.978573	-2.389459	2.495053	
1	-5.477932	-5.852580	-0.385361	1	-1.326858	-3.260096	3.055742	
1	-5.627437	-5.221202	-2.033910	1	0.112603	-2.459184	2.421541	
6	-3.725687	-0.551949	-2.238894	1	-1.204370	-1.495630	3.085494	
1	-4.160424	-0.883478	-3.185174	34	-0.173143	0.058609	0.820622	
1	-2.653587	-0.403659	-2.396219	46	2.121183	-0.338046	0.114423	
1	-4.172753	0.411541	-1.981190	17	2.835509	1.336519	1.657176	
34	-2.380321	0.011853	0.803335	17	1 630157	-1 966449	-1 508581	
6	3 451137	-1 563662	-0 271558	8	4 240888	-0 689194	-0.079380	
6	3 02//59	-2 517300	0.674760	1	4 566203	0.03/079	0.075500	
6	3 865670	3 611652	0.010000	6	4.886476	0.654075	1 368145	
1	3.500079	-4 350784	1 6/199/7	1	5 9355/0	-0.001410	-1.208145	
6	5.085740	3 788327	0.267175	1	1 36/105	1 300216	1 0856/1	
6	5.063740	2 834720	0.680377	1	4 816282	0.330661	1 825000	
1	6 399282	-2.054720	-1.218254	6	0.946980	2 267116	-1.025707	
6	4 665430	1 72/20/	0.076444	1	1 788081	2.207110	0.801201	
6	4.003439	2 454010	1 424174	1	0.004247	1 246101	1 877360	
1	1.717007	3 180000	2 232776	1	1.087533	2 055528	2 327270	
1	1.712901	1 468078	1 858710	1	1.007555	2.755520	-2.321210	
1	5 070417	-1.408978	0.597699					
0	5.979417	-4.902034	0.387088					
1	5.402047	-5.01/015	0.331033					
1	67054207	-3.263139	-0.290147					
	5 1 40246	-4.702228	1.506515					
0	5 228002	-0.702438	-2.041103					
1	5.556775	1 129620	-1.033238					
1	0.003423	-1.128030	-2.49/104					
1	4.394330	1 511521	-2.834009					
0	3.401391	1.511521	-0.124/98					
0	5.558104	2.50/150	-1.050212					
0	4.311019	3.081070	-0.004941					
I C	4.452930	4.490819	-1.5/5038					
0	4.904204	3.776206	0.595582					
0	4./01/38	2.720709	1.4930/0					
I	5.126103	2.795139	2.492554					
6	3.94/660	1.39220/	1.1/2192	1				
6	2.929010	2.361808	-2.420430	1				
1	3.182533	5.480/68	-2.900904					
1	3.265007	1./14554	-3.032181					
1	1.830291	2.301/3/	-2.3/2208					
6	5./445/3	4.9/1351	0.9/3388					
1	6.810946	4.773416	0.808370					

1 5.479213 5.852079 0.383555	
1 5.624281 5.223257 2.033472	
6 3.725733 0.551844 2.238850	
1 4 160351 0 883397 3 185176	
1 2653650 0.403323 2.306111	
$1 \qquad 2.055057 \qquad 0.405525 \qquad 2.570111 \\1 \qquad 4.172012 \qquad 0.411525 \qquad 1.091006$	
1 4.1/3012 -0.411535 1.981096	
17 -0.299185 -1.750130 -1.581226	
34 2.380345 -0.011960 -0.803290	
46 0.000020 -0.000034 0.000006	
1 -0.878592 2.675197 -0.755968	
1 0.878819 -2.675571 0.755664	
17 0.299046 1.750114 1.581319	
$[Pd_2(\mu-Cl)_2(metalated-Se)(Se(Mes)_2)Cl]$ (4)	[Pd(metalated-Se)Cl] (6)
$\mathbf{E} = -7829.9112559$	$\mathbf{E} = -3684.5224381$
G = -7829.318274	G = -3684.241081
Nimag = 0	Nimag = 0
Ŭ	C
6 -4.820590 -1.558586 -0.272017	6 -0.832207 1.347075 -0.274331
6 -5.010057 -1.820812 1.099591	6 -2 020837 0 983347 0 368275
6 5 500245 2 040722 1 454721	6  2.020037  0.0003977  0.000279
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
1 -5.754558 -5.250169 2.510540	1 -3.808449 1.720028 1.182732
6 -5.9//// -3.994481 0.508520	6 -2.6462/1 3.3416/1 0.456280
6 -5.753581 -3.706907 -0.840249	6 -1.427017 3.664790 -0.160010
1 -6.031029 -4.440026 -1.593793	1 -1.196392 4.708111 -0.363548
6 -5.175966 -2.504480 -1.258635	6 -0.509997 2.689037 -0.553374
6 -4.592679 -0.874447 2.195462	6 -2.322781 -0.428958 0.781346
1 -4.736658 -1.338978 3.173872	1 -3.380197 -0.679126 0.686842
1 -5.164559 0.057934 2.173826	6 -3.624120 4.430271 0.829365
6 -6 575151 -5 315120 0 930174	1 -4 497410 4 024085 1 345882
1 = 5.800144 = 6.087701 = 1.006583	1 -3.159089 - 5.173842 - 1.486167
1 7 315140 5 660356 0 205000	$1 \qquad 3.078875 \qquad 4.063052 \qquad 0.050041$
1 -7.515149 -5.009550 -0.205999	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
1 -7.001023 -3.241078 1.907270	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
6 -4.942819 -2.285723 -2.737608	1 0.811224 2.607348 -2.258123
1 -5.463813 -1.39/846 -3.110/26	1 0.808383 4.161130 -1.411215
1 -5.298051 -3.147970 -3.306928	1 1.650510 2.767425 -0.716031
1 -3.879351 -2.154574 -2.963643	6 1.943933 -0.066393 -0.113907
6 -4.969295 1.537822 -0.072522	6 2.097961 -0.045855 1.286962
6 -4.171775 2.380024 0.704040	6 3.399199 -0.003200 1.802601
6 -4.765375 3.537045 1.235299	1 3.525753 0.020791 2.882233
1 -4.157777 4.209011 1.837413	6 4.530253 -0.000753 0.984162
6 -6.111618 3.832240 1.020960	6 4.338831 -0.042196 -0.399129
6 -6 875229 2 951333 0 238693	1 5 205544 -0 046743 -1 055750
1 -7.923863 -3.176173 -0.056535	6 3.06/327 -0.076886 -0.97/229
6 6 227821 1 802150 0 222522	6 0.020656 0.020023 2.240278
0 -0.327031 1.002137 -0.332332	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
0 -2.723195 2.071292 1.001990	1 1.300520 -0.111897 3.280830
1 -2.58/012 1.861814 2.0/0584	1 0.281208 0.776609 2.139127
1 -2.07/128 2.915743 0.737884	1 0.329811 -0.984420 2.082282
6 -6.745548 5.067554 1.615770	6 5.919061 0.010660 1.575466
1 -7.502927 4.803348 2.363263	1 5.929400 0.478135 2.564133
1 -7.247899 5.665758 0.847572	1 6.303219 -1.010249 1.692364
1 -6.002159 5.702453 2.104766	1 6.622636 0.550397 0.934577
6 -7.172388 0.898961 -1.196846	6 2.952705 -0.134973 -2.482469
1 -8.169542 1.321668 -1.341790	1 3.947164 -0.125443 -2.935054
1 -7 286753 -0 095638 -0 752897	1  2  444537  -1  0.44314  -2  820931
1 - 7.200733 - 0.095030 - 0.752097 $1 - 6.710034 - 0.752407 - 2.195217$	1  2.320807  0.712210  2.82762
1 -0./17034 0./3047/ -2.10321/	1 2.307077 0.712210 -2.000703

24	4.010007	0.001505	0.044540		24	0.100.110	0.101610	0.0050(0	
34	-4.018087	0.091735	-0.944548		34	0.198412	-0.124618	-0.995269	
46	-1.877265	0.432471	0.120548		46	-1.308170	-1.890990	-0.190127	
6	4.231671	1.810989	-0.061637		1	-1.996533	-0.627073	1.808020	
6	3.662096	2.404241	-1.206356		17	-2.813065	-3.573728	0.361521	
6	4.173316	3.643527	-1.616028						
1	3.747598	4.105209	-2.503557						
6	5.201512	4.298912	-0.937687						
6	5.728314	3.684992	0.200436						
1	6.526497	4.176519	0.751682						
6	5.257063	2.453945	0.667366						
6	2 538624	1 802699	-2 014505						
1	2.3350021	2 3779/7	-2 931301						
1	2.303404	0.764450	2.251301						
1	5 705080	5 644721	1 200755						
0	5.705969	5.044721	-1.399733						
1	5.540025	5.784549	-2.4/200/						
1	5.183377	6.458931	-0.882394						
l	6.774356	5.763862	-1.195661						
6	5.867013	1.876006	1.923633						
1	6.392154	0.935439	1.729812						
1	6.584156	2.578481	2.355022						
1	5.101582	1.668051	2.679044						
6	5.069957	-1.124213	0.478347						
6	5.290181	-1.961811	1.593543						
6	6.356899	-2.864542	1.540736						
1	6.527223	-3.516662	2.393943						
6	7.197785	-2.955600	0.430082						
6	6.930106	-2.128954	-0.662703						
1	7.552464	-2.207050	-1.550968						
6	5.869872	-1.214759	-0.678223						
6	4 410281	-1 949733	2.824087						
1	4.763941	-2.688083	3.547813						
1	4 400808	-0.971689	3 316221						
1	3 371020	-2 197385	2 580162						
6	8 365473	-3 912078	0.412881						
1	8 192163	-1 766792	1.073134						
1	8.192103	4 202086	0.505185						
1	0.295152	2 419222	-0.393163						
	5.205133	-3.410523	1.024766						
0	5.025429	-0.419347	-1.934/00						
1	6.283051	-0.770684	-2./33//6						
1	4.592/95	-0.552/17	-2.268345						
1	5.80/654	0.6488/1	-1./93462						
17	0.313250	0.954083	1.128733						
34	3.590203	0.129717	0.707517						
46	1.465245	-0.736553	-0.238918						
1	-3.534866	-0.604685	2.095455						
1	1.598059	1.813312	-1.453981						
17	2.523956	-2.342556	-1.553877						
17	-0.702913	-1.592367	-0.866579						
[ <b>Pd</b> (	metalated-S	e)(Se(Mes) <sub>2</sub>	e)Cl] (11)						
	$\mathbf{E} = -\mathbf{c}$	5782.67883	14						
	$\mathbf{G} = -$	6782.07818	0						
	Nima	$\mathbf{g}=0$							
-	0.50/5/1	1 410005	0.001.617						
6	3.536/61	-1.419997/	-0.221617						
6	3.365031	-1.92/949	-1.525731	 					

6	4.449847	-2.595058	-2.112371	
1	4.324884	-2.988998	-3.118114	
6	5.668383	-2.777448	-1.458469	
6	5 790932	-2 283394	-0.158300	
1	6 700532	2 / 21177	0.383021	
1	0.722332	-2.431177	0.383021	
6	4.744442	-1.615/59	0.485920	
6	2.086274	-1.834110	-2.318582	
1	2.264844	-2.120222	-3.358734	
1	1.660645	-0.826399	-2.309897	
6	6.822777	-3.473341	-2.138685	
1	6.472633	-4.197824	-2.879677	
1	7.452044	-4.002410	-1.416648	
1	7.464259	-2.753996	-2.663414	
6	4 956134	-1 152565	1 908678	
1	1 9/0827	-0.061136	1 99/128	
1	5 021400	1 503463	2 281857	
1	J.721477	-1.505405	2.201037	
I	4.174909	-1.539005	2.5/11/4	
6	2.//4661	1.291655	1.001874	
6	2.593144	1.838708	2.292753	
6	3.041834	3.140913	2.536641	
1	2.898522	3.562346	3.528968	
6	3.665248	3.909324	1.550534	
6	3.809115	3.347425	0.281435	
1	4 270452	3 935287	-0 508993	
6	3 360/05	2 052/32	-0.025005	
0 6	1 0105473	1 001027	2 115750	
0	1.918524	1.081802	5.415/59	
1	1.896924	1.689651	4.323930	
1	2.435504	0.144510	3.644117	
1	0.884439	0.816665	3.168055	
6	4.178834	5.296534	1.853309	
1	5.192513	5.259459	2.271792	
1	3.545625	5.807510	2.585073	
1	4.222275	5.913392	0.950900	
6	3.547952	1.556000	-1.438589	
1	3 78/808	2 380614	-2 10/887	
1	J.10+070	2.307014	-2.10400/	
1	2.041314	1.0/1/98	-1.810403	
1	4.356062	0.822772	-1.515934	
34	2.104298	-0.531351	0.772197	
6	-2.721205	1.364113	-1.272883	
6	-1.565687	2.119843	-1.053679	
6	-1.610563	3.485111	-1.386089	
1	-0.719810	4.089676	-1.229594	
6	-2.766243	4.082464	-1.888438	
6	-3 006820	3 785252	-2 07/007	
1	4 012102	2 720154	-2.074077	
I	-4.813182	5./58154	-2.4/042/	
6	-3.909048	1.920172	-1./86812	
6	-0.312207	1.536622	-0.439850	
1	0.568986	1.870766	-0.996227	
6	-2.798819	5.552061	-2.237188	
1	-1.862723	6.047726	-1.966617	
1	-2.957506	5.701361	-3.311793	
1	-3.615114	6.067185	-1.718374	
6	-5 143272	1 087364	-2 031/03	
1	5 515500	0 676714	1 000175	
1	-5.545580	0.0/0/14	-1.0991/5	
1	-5.92/062	1.683273	-2.505644	
1	-4.923484	0.235265	-2.685275	
6	-3.738569	-1.065402	0.386557	

(	4 444072	2 2 6 5 0 4 9 0 1 5 5 5 5 5		
0	-4.444273	-2.205948 0.155555		
6	-5.359402	-2.688336 1.124457		
1	-5.902793	-3.614944 0.956160		
6	-5.584095	-1.967832 2.299978		
6	-4 841087	-0.804621 2.507919		
1	1.011007	0.245914 2.421027		
I	-4.9/0//3	-0.243814 5.431057		
6	-3.905108	-0.333/6/ 1.5/8381		
6	-4.214401	-3.131463 -1.062502		
1	-4.881594	-3.996859 -1.044471		
1	-4 390907	-2 586842 -1 995973		
1	2 192456	2 400260 1 086824		
I	-5.162450	-3.499209 -1.080834		
6	-6.604537	-2.431045 3.311633		
1	-7.606582	-2.061479 3.059343		
1	-6.662020	-3.523057 3.349606		
1	-6.366206	-2.067582 4.315458		
6	-3 107972	0.899682 1.920343		
1	3 267345	1 173203 2 066401		
1	-3.207343	0.724054 1.760006		
1	-2.03/609	0.724954 1.769006		
1	-3.384681	1.758048 1.300944		
34	-2.503115	-0.545132 -1.034716		
46	-0.228199	-0.521734 -0.205156		
1	1.322709	-2.497478 -1.898553		
1	-0.200982	1 916679 0 585212		
17	0.200502	2.067027 0.160700		
17	-0.285557	-2.96/93/ 0.160/99		
	Т	'S(1-4)		<b>TS(4-2)</b>
	$\mathbf{E} = -$	-8290 6729404		$\mathbf{E} = -7829.8574562$
		02/010/2/101		L (02).0011502
	<b>C</b> –	8200 075028		C = 7820.268200
	$\mathbf{G} = \mathbf{G}$	-8290.075928		G = -7829.268209
	G = Nima	-8290.075928 ag = -226.9255		<b>G</b> = -7829.268209 <b>Nimag</b> = -371.3218
	G = · Nima	-8290.075928 ag = -226.9255		<b>G</b> = -7829.268209 <b>Nimag</b> = -371.3218
6	G = - Nima 4.493884	-8290.075928 ag = -226.9255 -1.747779 0.355272	6	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415
6 6	G = - Nima 4.493884 4.851650	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564	6	G = -7829.268209 $Nimag = -371.3218$ $4.296124  -1.614394  0.180415$ $4.900981  -1.567253  -1.092650$
6 6 6	G = - Nim: 4.493884 4.851650 5.420579	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102	6 6 6	G = -7829.268209 $Nimag = -371.3218$ $4.296124  -1.614394  0.180415$ $4.900981  -1.567253  -1.092650$ $5.701825  -2.648821  -1.476700$
6 6 1	G = - Nima 4.493884 4.851650 5.420579 5.705182	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 <b>3</b> 607357 -2.205283	6 6 6	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618304 -2.454362
6 6 1	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.10227	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 4 267284 0 162557	6 6 1	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.80820 -2.72624 -0.658776
6 6 1 6	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.619227	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 -4.267384 -0.162557	6 6 1 6	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776
6 6 1 6 6	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 -4.267384 -0.162557 -3.909862 1.129363	6 6 1 6 6	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776 5.262147 -3.786988 0.584517
6 6 1 6 1	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 -4.267384 -0.162557 -3.909862 1.129363 -4.619613 1.941744	6 6 1 6 6 1	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776 5.262147 -3.786988 0.584517 5.392884 -4.650259 1.232466
6 6 1 6 1 6	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 -4.267384 -0.162557 -3.909862 1.129363 -4.619613 1.941744 -2.665172 1.417466	6 6 1 6 1 6 1	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776 5.262147 -3.786988 0.584517 5.392884 -4.650259 1.232466 4.454199 -2.734975 1.026567
6 6 1 6 1 6	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 -4.267384 -0.162557 -3.909862 1.129363 -4.619613 1.941744 -2.665172 1.417466 -1 177242 -2 149914	6 6 1 6 1 6 1 6	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776 5.262147 -3.786988 0.584517 5.392884 -4.650259 1.232466 4.454199 -2.734975 1.026567 4.706214 -0.432764 -2.066411
6 6 1 6 1 6 1	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 -4.267384 -0.162557 -3.909862 1.129363 -4.619613 1.941744 -2.665172 1.417466 -1.177242 -2.149914 1.670384 3.073752	6 6 1 6 1 6 1 6	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776 5.262147 -3.786988 0.584517 5.392884 -4.650259 1.232466 4.454199 -2.734975 1.026567 4.706214 -0.432764 -2.066411 5.184074 0.664978 3.021083
6 6 1 6 1 6 1 6	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 -4.267384 -0.162557 -3.909862 1.129363 -4.619613 1.941744 -2.665172 1.417466 -1.177242 -2.149914 -1.670384 -3.073752 0.224770 2.066774	6 6 1 6 1 6 1 6 1	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776 5.262147 -3.786988 0.584517 5.392884 -4.650259 1.232466 4.454199 -2.734975 1.026567 4.706214 -0.432764 -2.066411 5.184074 -0.664978 -3.021083 5.125540 -0.50002 -1.605014
6 6 1 6 1 6 1 1 1	G = - Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426	-8290.075928 $ag = -226.9255$ $-1.747779  0.355272$ $-2.083142  -0.967564$ $-3.341602  -1.190102$ $-3.607357  -2.205283$ $-4.267384  -0.162557$ $-3.909862  1.129363$ $-4.619613  1.941744$ $-2.665172  1.417466$ $-1.177242  -2.149914$ $-1.670384  -3.073752$ $-0.234779  -2.066674$	6 6 1 6 1 6 1 6 1 1	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776 5.262147 -3.786988 0.584517 5.392884 -4.650259 1.232466 4.454199 -2.734975 1.026567 4.706214 -0.432764 -2.066411 5.184074 -0.664978 -3.021083 5.125540 0.506993 -1.695914
6 6 1 6 1 6 1 1 6	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580	$\begin{array}{llllllllllllllllllllllllllllllllllll$	6 6 1 6 1 6 1 6 1 1 6	$ \begin{array}{l} \mathbf{G} = -7829.268209 \\ \mathbf{Nimag} = -371.3218 \\ \\ \hline 4.296124 & -1.614394 & 0.180415 \\ \hline 4.900981 & -1.567253 & -1.092650 \\ \hline 5.701825 & -2.648821 & -1.476700 \\ \hline 6.176783 & -2.618394 & -2.454362 \\ \hline 5.898620 & -3.763634 & -0.658776 \\ \hline 5.262147 & -3.786988 & 0.584517 \\ \hline 5.392884 & -4.650259 & 1.232466 \\ \hline 4.454199 & -2.734975 & 1.026567 \\ \hline 4.706214 & -0.432764 & -2.066411 \\ \hline 5.184074 & -0.664978 & -3.021083 \\ \hline 5.125540 & 0.506993 & -1.695914 \\ \hline 6.740299 & -4.927588 & -1.122409 \\ \end{array} $
6 6 1 6 1 6 1 1 6 1 1 6	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562	-8290.075928 <b>ag</b> = -226.9255 -1.747779 0.355272 -2.083142 -0.967564 -3.341602 -1.190102 -3.607357 -2.205283 -4.267384 -0.162557 -3.909862 1.129363 -4.619613 1.941744 -2.665172 1.417466 -1.177242 -2.149914 -1.670384 -3.073752 -0.234779 -2.066674 -5.629367 -0.448444 -6.341862 -0.718996	6 6 1 6 1 6 1 6 1 1 6 1	$ \begin{array}{l} \mathbf{G} = -7829.268209 \\ \mathbf{Nimag} = -371.3218 \\ \\ \hline 4.296124 & -1.614394 & 0.180415 \\ \hline 4.900981 & -1.567253 & -1.092650 \\ \hline 5.701825 & -2.648821 & -1.476700 \\ \hline 6.176783 & -2.618394 & -2.454362 \\ \hline 5.898620 & -3.763634 & -0.658776 \\ \hline 5.262147 & -3.786988 & 0.584517 \\ \hline 5.392884 & -4.650259 & 1.232466 \\ \hline 4.454199 & -2.734975 & 1.026567 \\ \hline 4.706214 & -0.432764 & -2.066411 \\ \hline 5.184074 & -0.664978 & -3.021083 \\ \hline 5.125540 & 0.506993 & -1.695914 \\ \hline 6.740299 & -4.927588 & -1.122409 \\ \hline 6.126537 & -5.666459 & -1.652463 \\ \end{array} $
6 6 1 6 1 6 1 1 6 1 1 1 1	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	6 6 1 6 1 6 1 6 1 1 6 1 1	$ \begin{array}{l} \mathbf{G} = -7829.268209 \\ \mathbf{Nimag} = -371.3218 \\ \\ \hline 4.296124 & -1.614394 & 0.180415 \\ \hline 4.900981 & -1.567253 & -1.092650 \\ \hline 5.701825 & -2.648821 & -1.476700 \\ \hline 6.176783 & -2.618394 & -2.454362 \\ \hline 5.898620 & -3.763634 & -0.658776 \\ \hline 5.262147 & -3.786988 & 0.584517 \\ \hline 5.392884 & -4.650259 & 1.232466 \\ \hline 4.454199 & -2.734975 & 1.026567 \\ \hline 4.706214 & -0.432764 & -2.066411 \\ \hline 5.184074 & -0.664978 & -3.021083 \\ \hline 5.125540 & 0.506993 & -1.695914 \\ \hline 6.740299 & -4.927588 & -1.122409 \\ \hline 6.126537 & -5.666459 & -1.652463 \\ \hline 7.212357 & -5.441481 & -0.279858 \\ \end{array} $
6 6 1 6 1 6 1 1 6 1 1 1 1 1	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	6 6 1 6 1 6 1 1 6 1 1 6 1 1	
6 6 1 6 1 6 1 1 6 1 1 1 1 1	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887 4.236289	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	6 6 1 6 1 6 1 1 6 1 1 6 1 1 1 6	G = -7829.268209 Nimag = -371.3218 4.296124 -1.614394 0.180415 4.900981 -1.567253 -1.092650 5.701825 -2.648821 -1.476700 6.176783 -2.618394 -2.454362 5.898620 -3.763634 -0.658776 5.262147 -3.786988 0.584517 5.392884 -4.650259 1.232466 4.454199 -2.734975 1.026567 4.706214 -0.432764 -2.066411 5.184074 -0.664978 -3.021083 5.125540 0.506993 -1.695914 6.740299 -4.927588 -1.122409 6.126537 -5.666459 -1.652463 7.212357 -5.441481 -0.279858 7.526710 -4.604311 -1.810651 3.777369 -2.855001 2.374839
6 6 1 6 1 6 1 1 6 1 1 1 1 1 1	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887 4.236289 4.741922	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 6	$ \mathbf{G} = -7829.268209 \\ \mathbf{Nimag} = -371.3218 \\                                   $
6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 6	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887 4.236289 4.741922 4.66282	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 6	$ \mathbf{G} = -7829.268209 \\ \mathbf{Nimag} = -371.3218 \\                                   $
6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 1 6	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887 4.236289 4.741922 4.469283	$\begin{array}{llllllllllllllllllllllllllllllllllll$	6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 6 1	$ \mathbf{G} = -7829.268209 \\ \mathbf{Nimag} = -371.3218 \\                                   $
6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 1 1 1	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887 4.236289 4.741922 4.469283 3.158963	$\begin{array}{llllllllllllllllllllllllllllllllllll$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	
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	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887 4.236289 4.741922 4.469283 3.158963 4.823909 4.222085 4.990094 4.525109	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 6\\ 1\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	
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	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887 4.236289 4.741922 4.469283 3.158963 4.823909 4.222085 4.990094 4.525109 6.329675 5.675122	$\begin{array}{llllllllllllllllllllllllllllllllllll$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 6\\ 6\\ 6\\ 1\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\$	$ \mathbf{G} = -7829.268209 \\ \mathbf{Nimag} = -371.3218 \\                                   $
	G = -Nima 4.493884 4.851650 5.420579 5.705182 5.619227 5.226752 5.360792 4.658743 4.618238 4.929409 5.166426 6.202580 5.413562 6.721520 6.909887 4.236289 4.741922 4.469283 3.158963 4.823909 4.222085 4.990094 4.525109 6.329675 6.897142	$\begin{array}{llllllllllllllllllllllllllllllllllll$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\$	$ \mathbf{G} = -7829.268209 \\ \mathbf{Nimag} = -371.3218 \\                                   $

6	6.167851	1.441070	0.442208	6	5.388439	1.635512	1.266941
6	2.794648	2.100090	-1.280858	6	2.253510	2.263211	-0.868678
1	2.104935	2.149475	-0.232638	1	1.414562	1.964627	0.048838
1	2.707993	1.380373	-2.107162	1	2.408893	1.802982	-1.854523
1	2 375539	3 033778	-1 665087	1	1 731301	3 201302	-1 075252
6	7 139081	4 640938	-1 421876	6	6 147425	5 2/19938	0.256109
1	8 165967	4 348474	-1.662/09	1	6 929582	5 205586	-0.511954
1	7 10/808	5 422036	0.653053	1	6 631385	5 538429	1 10/358
1	6 604241	5.080648	-0.055955	1	5 453265	6.045733	0.027051
1	6 824041	0.488113	1 410022	1	6.027200	0.043733	2 120003
0	7 822027	0.400113	1.410922	0	6 2021209	0.374721	2.129993
1	6.020725	0.640333	0.002762	1	6 255 494	0.978400	2.031741
1	6.920723	-0.319285	0.995702	1	0.333484	-0.289138	1.343043
1	0.242080	0.402704	2.330334	1	3.520047	0.203191	2.00/223
54	3.090184	-0.042373	0.803070	54	3.153002	-0.199530	0.892550
40	1.000904	0.280395	-0.438043	40	1.323404	0.195880	-0.093545
0	-3.991031	1.825779	0.033/38	0	-4.01/680	1.035305	-0.203012
6	-3.213345	2.351039	1.084612	6	-3.590246	1.900723	1.113501
6	-3.501627	3.658697	1.503816	6	-3./1289/	3.214058	1.581862
I	-2.90/998	4.0/40/9	2.314018	l	-3.381105	3.429599	2.594041
6	-4.504126	4.436190	0.925885	6	-4.215595	4.249633	0.792138
6	-5.251767	3.8/6118	-0.112979	6	-4.613/31	3.949309	-0.512330
I	-6.041690	4.461022	-0.577941	l	-5.003340	4.742110	-1.146351
6	-5.011892	2.583811	-0.586790	6	-4.522182	2.656633	-1.037998
6	-2.087734	1.634395	1.786622	6	-2.970724	0.870382	2.020390
1	-1.942864	2.054700	2.784996	1	-2.870498	1.270029	3.031894
1	-2.265733	0.563152	1.894933	1	-3.558743	-0.048612	2.069588
6	-4.753661	5.851079	1.388757	6	-4.290169	5.659930	1.324859
1	-4.545154	5.964910	2.456572	1	-4.600906	5.674947	2.374183
1	-4.104651	6.556159	0.854843	1	-3.309143	6.147557	1.272006
1	-5.788292	6.156580	1.206682	1	-4.993565	6.269960	0.750822
6	-5.853172	2.067192	-1.732184	6	-4.949026	2.426846	-2.471899
1	-6.439572	1.187073	-1.449133	1	-5.746320	1.681064	-2.553688
1	-6.550456	2.839138	-2.066324	1	-5.316270	3.358959	-2.908386
1	-5.233582	1.782301	-2.589739	1	-4.116712	2.076151	-3.091379
6	-5.203177	-1.027500	-0.277872	6	-4.799110	-1.364766	0.170447
6	-5.698254	-1.839128	-1.323647	6	-3.993242	-2.402406	0.644933
6	-6.822520	-2.629187	-1.068996	6	-4.614889	-3.448613	1.346569
1	-7.205328	-3.259754	-1.867804	1	-4.004737	-4.272080	1.710774
6	-7.458689	-2.636171	0.174657	6	-5.985422	-3.439566	1.604960
6	-6.922494	-1.841227	1.188709	6	-6.750613	-2.361994	1.131123
1	-7.383472	-1.856536	2.173223	1	-7.821784	-2.348212	1.320208
6	-5.791202	-1.037155	1.002481	6	-6.187227	-1.316525	0.398801
6	-5.054080	-1.913814	-2.690573	6	-2.495539	-2.391412	0.479106
1	-5.603516	-2.610635	-3.328067	1	-2.113373	-3.379598	0.205825
1	-5.035103	-0.940890	-3.192339	1	-2.009274	-2.071741	1.409764
1	-4.018430	-2.267119	-2.631062	6	-6.641116	-4.554407	2.385230
6	-8.693219	-3.471725	0.410563	1	-5.947743	-5.381064	2.560849
1	-8.661480	-4.402969	-0.163048	1	-6.992125	-4.200601	3.361973
1	-8.807105	-3.726465	1.468028	1	-7.513666	-4.951378	1.855016
1	-9.598317	-2.932035	0.104401	6	-7.050913	-0.201276	-0.134954
6	-5.253890	-0.270489	2.183008	1	-8.100983	-0.367769	0.117329
1	-5.785932	-0.562217	3.091725	1	-6.752849	0.770902	0.270960
1	-4.193971	-0.492799	2.330204	1	-6.974395	-0.131053	-1.226593
1	-5.362627	0.810402	2.061756	17	-0.453807	0.681979	-2.285515
17	-0.420119	0.656925	-1.703006	34	-3.906110	-0.132473	-1.029080
34	-3.678644	0.076947	-0.789764	46	-1.678916	-1.050715	-0.826382
24 46	-1 520204	-0 927174	-0 177022	1	3 639831	-0 264427	-2.255546
40	1.520204	5.72,114	0.177022	1	2.027021	0.201727	2.2000 10

1	3 553240 -0.93	3336 -2.242790	1	1	-1 960449	0.623472	1 673980
1	-1 138286 1 77	12597 1 256893	1'	7	0.637906	2 137315	1 718285
17	-2 466637 -2 5	16151 1 231704	11	, 7	0.569929	-2.093461	-0.637806
17	1 580786 2 79	R7788 1 //8987	1	/	0.307727	-2.075+01	-0.037000
17	0.720063 1.82	2/221 0 188748					
17	0.729903 -1.8.	04221 0.100740					
	TS(1.4	)'			Т	S(5-6)	
	15(1-4	)			1	B( <b>J-U</b> )	
	E = -8445	.723389			$\mathbf{E} =$	-4300.36587	708
	G = -8445	5.055886			<b>G</b> =	-4300.0042	04
	Nimag = -	-985.9202			Nim	ag = -1208.	0375
6	/ 38/121 _1.93	8500 0 389882		6	0.045237	1 829601	0 217232
6	4 908591 -2 31	6007 -0.864078		6	1 170054	1.920953	-0.620058
6	5 562926 -3 54	92/12 -0.95635/		6	1.170034	3 202234	-0.889254
1	5 075154 3 84	507/ 1018003		1	2 554761	3 200775	1 528033
1	5 692058 -4 41	2940 0 134114		1 6	1.083004	J.290775	-0.382968
0	5 130453 4 01	7617 1 354260		5	0.055028	4.330300	0.382908
0	5 220120 4 67	8605 2 213663		1	-0.033928	4.21946J 5 100823	0.423032
1	J.220129 -4.07	5860 1 511522		1	-0.530405	2.070612	0.829331
0	4.477500 -2.79	JOUY 1.J11J22		6	1 702751	2.970013	0.747431
0	4.705574 -1.40	7074 2.056441		0 1	1.792731	0.713233	1 754924
1	5.200922 -1.97	7074 -2.930441		1 1	2.138133	0.973247	-1./34034
	5.107923 - 0.40	1042 0.011969		1 6	2.774479	0.033930	-0.340883
0	0.3/4318 - 3.73	1043 - 0.011000		D 1	1.044720	5.124912	-0.08/241
1	5.050015 -0.55	0813 - 0.278170		I 1	2.480205	5.000/35	-1.382313
1	0.854/40 -0.05	9243 0.921330	-	1 1	0.884552	0.370808	-1.131/11
I	7.134450 -5.72	9909 -0.798150			1.99/601	6.219525	0.225285
0	3.883/84 -2.46	15/6 2.863900		5 1	-1./893/0	2.8/5359	1.65/1/2
1	4.284018 -1.55	0/32 3.27/498		1 1	-1.574312	2.251427	2.552805
1	4.095214 -5.20	54/8 5.5/5001 5200 2.800860		1 1	-2.084103	3.804814	2.014518
I	2.790137 -2.34	5209 2.809809			-2.049487	2.42/035	1.149050
6	4.383093 1.114	+1/8 -0.01/104		5	-2.291840	-0.241000	0.184999
6	4.070003 1.88	0499 - 1.003400	6	)	-2.099031	-0.004939	-1.141030
0	4.85/5/5 2.90	1033 - 1.334377	1	) I	-4.044400	-0.230267	-1.438331
	4.44/214 5.30	9920 -2.347230		1	-4.372000	-0.043933	-2.4/823/
0	0.08/399 3.20	0215 - 0.992207	6	)	-4.900205	-0./011/9	-0.321370
0	0.339740 2.40	9034 0.003247	1	) 1	-4.313233	-0.930900	0.773209
	7.510756 2.71 5.925501 1.40	1277 0.519919		1	-3.209330	-1.342109	1.510251
0	2 720001 1.40	1277 0.362201		5	-3.104000	-0.743917	1.133/14
0	2.739001 1.36	+123 -1.701774		) 1	-1.700707	0.423261	2 170451
1	2 2 1 5 1 6 6 0 7 4	6122 - 2.00260	1	1	1 256000	1 267754	2 012100
1	2.013100 0.74	0133 - 2.409300	1	1	-1.230009	0.226218	-2.012100
1	2.362006 2.40 6.012490 4.41	1060 1 514162		l S	-0.988277	-0.330318	-2.390312
0	7 152100 5 12	1900 - 1.314103		)	-0.399991	-0.970000	1 754502
1	7.132190 3.120	0139 - 0.713330	1	L I	-0./10015	-0.349039	-1./34325
1	0.383344 4.93	9200 -2.300200	1	L I	-0.333032	-2.01//41	-1.204939
	7.804389 4.00 6.228720 0.64	1838 -1.929910 5940 1 796191		l c	-7.082745	-0.//889/	-0.075412
0	0.528720 0.04	5849 1./80181		5	-2.702123	-1.094045	2.304347
1	7.295337 1.03	/110 2.111893	1	1	-3.01/014	-1.465344	3.134172
1	0.448912 -0.42	5298 1.585515 CO25 2.C19CO0		1	-1.993894	-1.8//139	2.33/209
l	5.623069 0.75	0023 2.018609		1	-2.548580	-0.234122	5.100/46
34	5.452293 -0.25	1598 0.7/4512	3	4	-0.466777	0.052295	0.815328
46	1.5/2/95 -0.10	1286 -0.754853	4	0	1.1330/5	-1.254040	-0.452425
6	-3.93/092 1.70	0493 0.128890		1	1.1/3/48	0.336869	-2.09/625
6	-3.066629 2.18	1/8/ 1.12/619	1	/	0.051691	-3.191294	0.3800/1
6	-3.325423 3.46	1193 1.642073	1	/	2.933322	-2.475321	-1.524220
1	-2.663896 3.84	1303 2.416118	5	8	3.890709	-0.241145	0.104994

6	1 399196	4 253200	1 205208	1	3 0/107/	1 106300	0.400238	
0	-4.300100	4.233290	0.109502	1	2 002555	-1.100390	1 526062	
0	-3.212443	5.745207	0.198502	0	3.902333	-0.339292	1.330003	
I	-6.03/095	4.348939	-0.1/3083	1	3./0936/	0.416/92	2.02/813	
6	-5.006457	2.482095	-0.364155	I	3.080218	-1.228267	1.754845	
6	-1.871358	1.437370	1.667332	6	5.246954	-1.119178	1.932685	
1	-1.471276	1.943431	2.548657	1	6.060333	-0.431428	1.685479	
1	-2.106643	0.407870	1.947528	1	5.261663	-1.302166	3.011765	
6	-4.651307	5.608993	1.814848	1	5.425495	-2.073767	1.428322	
1	-5.363220	5.533501	2.646199					
1	-3.734292	6.053934	2.210980					
1	-5.079214	6.300620	1.082874					
6	-5.932166	2.024175	-1.468524					
1	-6.519815	1.147770	-1.176970					
1	-6 630571	2.822282	-1 730906					
1	-5 375935	1 753816	-2 372706					
6	-5 213481	-1 112167	-0 254062					
6	5 705600	1.038501	1 289522					
0	6 8 2 2 4 0 0	2 722508	1.022627					
0	-0.823490	-2.133396	-1.023027					
I	-7.200734	-3.3/200/	-1.815890					
6	-7.454959	-2.733070	0.222355					
6	-6.928093	-1.9149/3	1.222609					
I	-7.393229	-1.914147	2.205347					
6	-5.802622	-1.104721	1.026066					
6	-5.065546	-2.019978	-2.657842					
1	-5.607824	-2.730699	-3.285931					
1	-5.060414	-1.052550	-3.170884					
1	-4.025044	-2.359684	-2.598596					
6	-8.643621	-3.623654	0.490843					
1	-9.285307	-3.210485	1.274379					
1	-9.250101	-3.764717	-0.408895					
1	-8.319350	-4.617253	0.824192					
6	-5.288015	-0.304029	2.195549					
1	-5.764682	-0.646810	3.117141					
1	-4.210263	-0.436130	2.310410					
1	-5.494196	0.764805	2.089832					
17	-0.482095	0.146130	-2.080811					
34	-3.692596	-0.012411	-0.786883					
46	-1.564014	-1.145885	-0.275987					
1	3.705296	-1.373141	-2.378130					
1	-1.061506	1.411034	0.931159					
17	-2.481759	-2.499749	1.376089					
17	2.364039	2.320771	2.498174					
17	0.637155	-2.167616	0.033269					
1	1.459196	2.614058	0.929364					
8	1.025986	2 759175	-0.003195					
6	1.020000	4 163372	-0.303799					
1	1.037077	4.105572	0.644045					
1	1.120540	4.700407	0.044045					
1	0.222016	4.404371	1 061207					
0	-0.222010	4.546050	-1.001297					
1	-0.204637	2.070511	-1.510609					
1	-0.509087	3.979311	-1.992474					
1	-1.110937	4.340001	-0.45/406					
	т	S(10-11)			т	(10_11)		
	1	5(10-11)			12	(10-11)		
	$\mathbf{E} = -$	7243.45173	38		$\mathbf{E} = -$	7398.500494	4	
	<b>G</b> = -	7242.84615	6		<b>G</b> = -	7397.82023	8	
		-				-		

	Nima	<b>ag</b> = -838.04	35			Nima	<b>ig</b> = -1231.3	318
6	3.656373	-1.434748	-0.068615	6	5	-3.404570	-1.876859	1.547647
6	3.561392	-2.001521	-1.355651	(	5	-4.463176	-2.504197	2.219154
6	4.684742	-2.687963	-1.839668	1	1	-4.338593	-2.720875	3.277130
1	4.624159	-3.127622	-2.831973	6	5	-5.656985	-2.858010	1.589054
6	5.861441	-2.829798	-1.104640	(	5	-5.788971	-2.572578	0.228527
6	5.902883	-2.276226	0.176813	]	1	-6.707201	-2.842963	-0.287352
1	6.800905	-2.390600	0.779364	6	5	-4.768835	-1.957185	-0.503946
6	4.816746	-1.586153	0.723882	e	5	-2.154716	-1.565143	2.330109
6	2.336565	-1.938879	-2.229178	]	1	-2.325278	-1.729951	3.396718
1	2.563257	-2.337968	-3.221161	]	1	-1.823133	-0.531845	2.205112
l	1.955363	-0.923406	-2.363802	6	5	-6.757090	-3.559/19	2.348235
6	7.058822	-3.545747	-1.681532	1	1	-6.59/611	-4.645102	2.353809
l	6.758329	-4.299625	-2.414863	1	l	-7.736558	-3.375968	1.89/119
l	7.642983	-4.042350	-0.900874	1	ĺ	-6.794247	-3.232761	3.391649
l	7.728958	-2.842834	-2.192247	(	6	-4.984505	-1./12/86	-1.979656
6	4.940060	-1.052766	2.132457		1	-4.984959	-0.645702	-2.224869
l	4.890345	0.040318	2.165832		1	-5.943831	-2.129038	-2.296228
1	5.894098	-1.35/3/6	2.569401		I ć	-4.19/964	-2.182570	-2.5/9964
l	4.1382/1	-1.434243	2.//3/13		6	-2.862175	0.951040	-1.461125
0	2.15/338	1.334477	0.997926		6	-2.59/654	1.305152	-2.804794
0	2.525675	1.905822	2.270369		0	-3.028322	2.554554	-3.262860
0	2.914626	3.232353	2.486242			-2.819/08	2.829843	-4.294010
I	2.734410	3.0/4399	3.403299		0	-3./18033	3.449140	-2.441940
0	3.520750	3.990041	1.490043		0	-3.938843	3.008001	-1.120400
0	3.720000	3.404302	0.242021		1 6	-4.483037	3./33489	-0.439988
1	4.164504	2.987393	-0.333237		6	-3.342327	1.033947	-0.396337
0	3.34/01/	2.083070	-0.041021		0	-1.804313	0.390393	-5.707272
0	1.803293	1.133027	3.400890 4 203067		1 1	-1.763393	0.609104	-4.749200
1	2 / 180/0	0.240268	4.293907		1 1	-2.377498	0.165742	3 120312
1	0.846145	0.249208	3 158216		1 6	4 200618	0.103742	2 073850
1	3 977535	5 412063	1 760146		1	-5 200985	4.773973	-2.973850
1	5.021674	5 434525	2 096593		1	-3 538366	5 171650	-3 7/0935
1	3 37/08/	5 883716	2.070375		1	-4 296546	5 518279	-2 177033
1	3 914227	6.030026	0.859557		1 6	-3 839197	1 536495	0.849618
6	3 565556	1 560590	-1 437714		1	-4 226011	2 430920	1 345040
1	4 023388	2 332345	-2.061286		1	-2 941693	1 216677	1 384570
1	2 619789	1 276938	-1 912610		1	-4 587170	0 746248	0.957227
1	4 220484	0.686260	-1 448510	3	34	-2.187691	-0.811817	-0.943284
34	2.162792	-0.519241	0.810930	C	6	2.853454	1.403934	0.478866
6	-2.898722	1.399180	-0.877319		6	1.812805	2.223393	0.020387
6	-1.824833	2.267529	-0.634052		6	2.052505	3.601544	-0.082330
6	-2.054317	3.646675	-0.722655		1	1.251307	4.248329	-0.432622
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6	-3.316511	4.162842	-1.016233		6	4.297685	3.305569	0.712464
6	-4.366230	3.262938	-1.239145		1	5.255575	3.727518	1.007506
1	-5.353358	3.649133	-1.482608		6	4.103974	1.929831	0.853903
6	-4.185334	1.878491	-1.192426		6	0.466133	1.666271	-0.360610
6	-0.456000	1.767306	-0.261975		1	0.514880	1.203724	-1.356390
1	-0.419638	1.532606	0.810976		1	0.117988	1.208444	2.716626
1	-0.056213	1.115728	-1.371835		6	3.542586	5.639827	0.101508
6	-3.542163	5.651598	-1.128710		1	2.611268	6.192418	-0.049689
1	-4.503827	5.945229	-0.696034		1	4.037540	6.046096	0.989684
1	-2.754092	6.215262	-0.621901		1	4.195102	5.848868	-0.755000
1	-3.548603	5.967368	-2.179097		6	5.185391	1.071177	1.459453

6 5 3/3351 0 961355 1 50086/	1 5 508485 0 274110 0 782107
0 - 5.545551 - 0.501555 - 1.500804 1 5 620207 0 267278 0 620208	1  5.506465  0.274117  0.762107 $1  6.060002  1.672508  1.712022$
1 - 5.059297 = 0.507578 - 0.050208	1  0.000995  1.075396  1.712922
1 -6.212248 1.536593 -1.829223	1 4.81/814 0.60315/ 2.3804/6
1 -5.086224 0.257345 -2.300856	6 3.626/22 -1.410638 -0.49259/
6 -3.644675 -1.318305 0.382506	6 4.368919 -2.474237 0.070310
6 -4.385991 -2.440778 -0.044915	6 5.245691 -3.180015 -0.759891
6 -5.235869 -3.058921 0.877856	1 5.823845 -3.994628 -0.330441
1 -5.813193 -3.921567 0.554454	6 5.395819 -2.875544 -2.114401
6 -5.358517 -2.608731 2.194098	6 4.626960 -1.835912 -2.641515
6 -4.588178 -1.511811 2.587179	1 4.716365 -1.593765 -3.697994
1 -4.654146 -1.157054 3.613005	6 3.729097 -1.096909 -1.862618
6 -3.715431 -0.856031 1.712008	6 4.241262 -2.898607 1.517719
6 -4 282916 -3 016552 -1 439831	1 4 915324 -3 733256 1 725246
1 -4 949758 -3 875877 -1 543645	1  4.481155  -2.089684  2.214635
1 4 550708 2 287631 2 211546	1 - 3.221804 - 3.226612 - 1.746102
1 - 4.550798 - 2.287051 - 2.211540 1 2 263020 2 255000 1 653055	6 6 230358 3 674165 2 000304
1 - 5.205720 - 5.555777 - 1.055755	0  0.330338  -3.074103  -2.990394 1 $7.212584  4.006002  2.425254$
0 -0.203137 -3.313330 3.173082	1 7.212384 -4.000993 -2.453234
1 -5./1//22 -4.095909 3./1/655	1 5.832327 -4.571981 -3.377054
1 -6.663001 -2.619959 3.921569	1 6.668612 -3.091466 -3.852138
1 -7.105462 -3.794450 2.670118	6 2.889879 -0.045689 -2.542879
6 -2.871192 0.273353 2.244213	1 3.129857 0.003512 -3.607923
1 -3.047438 0.409474 3.314011	1 1.826366 -0.295014 -2.449881
1 -1.807663 0.048861 2.101090	1 3.036340 0.949190 -2.115109
1 -3.077787 1.222054 1.741257	17 1.493510 0.699357 3.759916
17 0.191934 1.011520 -3.089562	34 2.481952 -0.478087 0.801491
34 -2.512644 -0.505109 -0.981795	46 0.165729 -0.550466 -0.000742
46 -0.163860 -0.489525 -0.234370	1 -1.327469 -2.210324 2.019960
1 1.522617 -2.533850 -1.804128	1 -0.285412 2.454588 -0.487422
1 0 319881 2 520702 -0 418120	17 0 280823 -2 922702 -0 049572
17 -0.266809 -2.827340 0.189652	1 -0.121335 - 1.358667 - 0.829325
17 0.200009 2.027540 0.109052	8 -0.608964 1.608579 2.065469
	6 0.754752 3.001256 2.417466
	1  0  225750  2  460920  2  427226
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	1 -1.540357 - 5.407011 -1.021305
	6 -1.440306 3.13/621 3.769152
	1 -0.840230 2.647948 4.540577
	1 -1.550435 4.195940 4.030615
	1 -2.433386 2.678570 3.751863
TS(7, 4)	TC(1.0)
13(7-4)	13(1-0)
E = -7984.88851	$\mathbf{E} = -8290.6579451$
G = -7984.223066	G = -8290.058559
<b>Nimag</b> = -47.7626	<b>Nimag</b> = -795.8431
6 2 050051 1 746277 0 020270	6 4 704781 1 570661 0 508065
0 - 5.959051 - 1.740277 - 0.950579	0  4.704781  1.579001  0.508005
0 -3.818/90 -2.1/2329 -2.200304	0 $4.734425$ $2.909090$ $0.050309$
0 -3.01/003 3.340888 2.320914	0 3.375151 3.805302 0.825370
1 -5./12292 5.886497 5.548445	1 5.4584/5 4.8899// 0.465/01
0 -3.938318 4.490/25 1.49/891	0 5.9014/0 5.548505 2.0610/0
6 -4.051880 4.027743 0.184895	6 5.8/4839 2.226929 2.504287
1 -4.124909 4.747618 -0.626638	1 6.300350 1.962494 3.469174
6 -4.050135 2.665079 -0.134430	6 5.247265 1.221001 1.760299
6 -3.647625 1.212693 3.421863	6 4.126466 3.348406 -1.273599
1 -3.578334 1.760967 4.364449	1 4.303254 4.414150 -1.435296
1 2 731557 0 620757 3 315003	1 2 042522 2 192675 1 259054
1 -2.751557 0.020757 5.515005	1 5.045552 5.165075 -1.258954

$  \begin{array}{ c c c c c c c c c c c c c c c c c c c$						
1       -4.489896       6.541284       1.077160       1       7.442404       4.192684       3.532148         1       -2.686939       6.34685       1.747191       1       5.88386       5.07757       3.584991         6       -4.113305       2.255087       -1.585433       6       5.176103       -0.161754       2.356669         1       -5.028738       1.65057       1.843338       1       4.142158       0.522223       2.33045         6       -5.799152       0.530214       -0.475972       6       4.796498       1.32302       -0.622277         6       -6.776435       -0.005630       -0.005622       6       6.131342       -1.390022       -10.01835         6       -7.794538       1.511537       1.740231       6       6.105088       -3.790237       0.543291         6       -5.05602       0.833115       1.115512       6       6.883141       0.11835       0.117412         1       -6.436253       0.234214       0.918297       1       7.071453       0.537450       0.769553         1       -6.436626       1.843241       0.918297       1       7.01453       0.537450       0.769553         1       -6.36662	1	-4.276087 6.185954 2.800977	1	7.040917	5.408611	2.296311
$  \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1	-4.489896 6.541284 1.077160	1	7.412404	4.192684	3.532148
6         -4.113305         2.255087         -1.585433         6         5.176103         0.161754         2.3566699           1         -3.266554         1.610677         -1.843338         1         4.14218         0.52223         2.393045           1         -5.028738         1.705861         -1.822349         1         5.555844         -0.147579         3.380728           6         -5.776435         -0.055622         6         -1.396048         -1.320032         -1.06178           6         -7.796350         -0.057863         -0.055622         6         -6.131342         -1.390022         -1.06178           6         -5.40564         1.901175         -2.15524         6         -6.76989         -3.77978         -0.147424           1         -6.436253         -2.667170         -2.975611         1         4.236589         -3.67778         -0.147424           1         -6.366020         8.93318         1.348667         1         7.87732         -0.43878         -1.987788         -1.987882         -1.67739           1         -6.366620         8.93311         1.348667         1         7.944732         -0.438788         -1.967388         -1.967378         -9.567748         -1.510266 <td>1</td> <td>-2.868939 6.346835 1.747191</td> <td>1</td> <td>5.883386</td> <td>5.072567</td> <td>3.584991</td>	1	-2.868939 6.346835 1.747191	1	5.883386	5.072567	3.584991
1       -3.266554       1.610677       -1.843338       1       4.142158       -0.522232       2.399045         1       -5.028738       1.705861       -1.822249       1       5.575344       -0.147579       3.380728         6       -5.77435       -0.05060       -0.055622       6       6.13132       -1.36022       -1.610335         6       -7.77453       -0.05763       -0.702308       6       6.701921       -2.64122       -1.000734         1       *8.8141       -0.32746       -0.345002       1       7.79786       -7.147444       +1.320007         6       -7.794538       +1.571537       -1.740231       6       6.103508       -3.07978       0.147424         1       -6.346233       -2.67170       -2.975611       1       4.236589       -4.56157       0.195905         6       -5.339232       1.410312       +1.999350       6       4.086887       -2.453880       0.1947424         1       -6.436626       1.843244       2.012750       1       6.321934       0.31727       -2.352218         6       -9.045698       -2.132424       -2.373465       6       6.813257       -1.51642       0.51722       0.517434       -517303	6	-4.113305 2.255087 -1.585433	6	5.176103	-0.161754	2.356669
$  \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1	-3.266554 1.610677 -1.843338	1	4.142158	-0.522223	2.393045
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-4.069128 3.137065 -2.228643	1	5 555844	-0 147579	3 380728
6       -5.499152       -0.530214       -0.475972       6       4.796498       -1.32403       -0.622257         6       -6.776435       -0.055602       6       6.131342       -1.324032       -0.622257         6       -7.79435       -0.517663       -0.702308       6       6.761921       -2.614721       -1.000734         1       -8.881341       -0.327426       -0.345902       1       7.798786       -2.714941       -1.320007         6       -6.540564       -1.961175       -2.155524       6       4.768599       -3.67778       0.147424         1       -6.436253       -2.667170       -2.975611       1       4.236589       -3.67778       0.147424         1       -6.36626       1.843241       0.918297       1       7.071453       0.537450       0.769553         1       -6.480722       0.475484       2.012750       1       6.321934       0.3312727       -2.32218         6       -9.045698       -1.32442       -2.3272465       6       6.81257       -5.12445       0.514342         1       -9.63484       -1.342041       -2.857882       1       6.847912       -5.07748       -1.516026         1       -9.045698       <	1	-5.028738 1.705861 -1.822349	1	5 757314	-0.89/396	1 790783
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	5 400152 0 530214 0 475072	6	1 706408	1 324032	0.622257
$ \begin{array}{c} 0 & -0.7,39630 & -0.617863 & -0.70208 \\ 6 & -7.89630 & -0.617863 & -0.70208 \\ 6 & -6.79121 & -2.641272 & -1.000734 \\ 1 & -8.88134 & -0.327426 & -0.345902 \\ 1 & -7.99786 & -2.71494 & -1.320007 \\ 6 & -7.794538 & -5.71537 & -1.740231 \\ 6 & -6.540564 & -1.961175 & -2.155524 \\ 6 & -4.36253 & -2.667170 & -2.975611 \\ 1 & 4.236589 & -4.561557 & -0.147424 \\ 1 & -6.36625 & 0.893381 & 1.348667 \\ 1 & -7.000085 & 0.831158 & 1.115512 \\ 6 & -6.35025 & 0.893381 & 1.348667 \\ 1 & -7.000085 & 0.831158 & 1.115512 \\ 1 & -6.636626 & 1.843241 & 0.918297 \\ 1 & -6.436723 & -0.745484 & 2.012750 \\ 1 & -6.436722 & 0.475484 & 2.012750 \\ 1 & -6.436722 & 0.475484 & 2.012750 \\ 1 & -9.69221 & -2.601043 & -1.621399 \\ 1 & -6.436722 & 0.475484 & 2.012750 \\ 1 & -9.69221 & -2.601043 & -1.621399 \\ 1 & -0.645698 & -1.24244 & -2.372465 \\ 1 & -9.69221 & -2.601043 & -1.621399 \\ 1 & -0.648910 & -2.883898 & -3.130295 \\ 1 & -3.029805 & -2.883898 & -3.130295 \\ 1 & -3.029805 & 0.883604 & -3.038301 \\ 1 & 2.375415 & -3.092065 & 0.986536 \\ 1 & -3.128108 & -2.88169 & -0.904346 \\ 1 & 1.3273397 & -1.09613 & -2.150805 \\ 1 & -3.128108 & -2.88169 & -0.904346 \\ 1 & 1.2877412 & -5.07682 & -0.691414 \\ 1 & -3.273397 & -1.09613 & -2.150805 \\ 1 & -3.128108 & -2.88169 & -0.904346 \\ 1 & 1.2877415 & -0.79621 & -0.289429 \\ 46 & 1.751248 & -0.456509 & 0.259545 \\ 6 & 4.402323 & -1.72066 & 0.507616 \\ 6 & -4.679189 & -2.534787 & 0.443885 \\ 6 & 4.249677 & -3.038983 & 2.512291 \\ 6 & -5.060827 & -3.472911 & 0.919119 \\ 1 & 3.76031 & -3.24642 & 3.40798 \\ 1 & -5.60894 & 4.463388 & 0.470670 \\ 6 & 5.332061 & -3.827253 & 2.120086 \\ 6 & -5.573669 & -0.933812 & 2.908753 \\ 6 & 5.73629 & -2.534787 & 0.443885 \\ 6 & -5.06894 & 4.463388 & 0.470670 \\ 6 & 5.332061 & -3.27253 & 2.120086 \\ 6 & -5.75412 & 4.15182 & 0.551916 \\ 1 & -7.168981 & -5.608627 & -3.314081 \\ 8 & 5.33644 & 1.471623 & 3.30243 \\ 1 & -7.074974 & -4.119285 & 3.603522 \\ 1 & 2.386441 & -1.471623 & 3.302343 \\ 1 & -7.078143 & 2.446578 & -2.69924 \\ 1 & 5.691797 & -3.35876 & -0.65322 \\ 1 & 2.386441 & -3.739167 & -2.83578 & -1.5835$	6	6776425 0.005680 0.055622	0	6 121242	1 206022	1.061925
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0	-0.770453 $-0.095080$ $-0.055022$	0	6761021	-1.390022	1.001055
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0	-7.890509 -0.017805 -0.702508	0	0.701921	-2.041272	-1.000/34
$ \begin{array}{c} 6 & -6.50364 & -1.90175 & -1.15524 \\ 6 & -6.50364 & -1.90175 & -0.15524 \\ 1 & -6.436253 & -2.667170 & -2.975611 \\ 1 & 4.236589 & -4.56157 & 0.195905 \\ 6 & -5.339232 & -1.410312 & -1.599350 \\ 6 & -7.00085 & 0.831158 & 1.115512 \\ 6 & 6.88314 & -0.188598 & -1.567739 \\ 1 & -8.065602 & 0.893381 & 1.348667 \\ 1 & -8.065602 & 0.893381 & 1.348667 \\ 1 & -8.065602 & 0.893381 & 1.348667 \\ 1 & -6.636626 & 1.843241 & 0.918297 \\ 1 & -6.636626 & 1.843241 & 0.918297 \\ 1 & -6.634843 & -1.324241 & -2.372465 \\ -9.045698 & -2.132424 & -2.372465 \\ 1 & -9.642834 & -1.324241 & -2.873682 \\ 1 & -9.643843 & -1.324241 & -2.873682 \\ 1 & -9.643843 & -1.324241 & -2.873682 \\ 1 & -9.643843 & -1.42941 & -2.873682 \\ 1 & -9.643843 & -1.42241 & -2.873682 \\ 1 & -9.643843 & -1.42241 & -2.873682 \\ 1 & -9.643843 & -1.42241 & -2.873682 \\ 1 & -9.643843 & -1.42241 & -2.873682 \\ 1 & -9.643843 & -1.42241 & -2.873682 \\ 1 & -9.643843 & -1.42241 & -2.873682 \\ 1 & -9.643843 & -1.42241 & -2.873682 \\ 1 & -9.643843 & -2.883898 & -3.130295 \\ 1 & -4.06422 & -1.14230 & -2.20736 \\ 2 & -2.676802 & -0.691414 \\ 1 & -3.273397 & -1.019613 & -2.150805 \\ 1 & -3.128108 & -2.883898 & -3.130295 \\ 1 & -1.019613 & -2.150805 \\ 1 & -3.128108 & -2.884829 & 0.889621 \\ 2 & -1.69407 & -0.718524 & 0.628701 \\ 3 & -3.76791 & -1.92402 & 1.733354 \\ 6 & -4.679389 & -2.534781 & 0.43888 \\ 4 & 4.20677 & -3.038983 & 2.512291 \\ 0 & -5.60627 & -3.472911 & 0.919119 \\ 1 & 3.760391 & -3.246642 & 3.460798 \\ 1 & -5.068994 & 4.463388 & 0.470670 \\ 6 & 5.332061 & -3.87253 & 2.120086 \\ 6 & -5.73669 & -0.93813 & 2.084799 \\ 6 & 2.566455 & -1.218207 & 2.25056 \\ 6 & -3.736191 & -2.964796 & -0.653522 \\ 1 & 2.386414 & -1.471623 & 3.051916 \\ 1 & -7.166585 & -1.668720 & 3.314081 \\ 6 & 5.48373 & -2.51423 & 0.061896 \\ 6 & -5.573669 & -0.933813 & 2.084799 \\ 6 & 2.566455 & -1.218207 & 2.25056 \\ 6 & -3.736191 & -2.964796 & -0.653522 \\ 1 & 2.386414 & -1.471623 & 3.052748 \\ 1 & -3.74214 & -1.117853 & 3.461031 \\ 1 & 6.569409 & -4.567892 & 3.663940 \\ 1 & -8.475086 & -0.99024 & 1.856230 \\ 1 & -5.287682 & -3.035916 $	l	-8.881341 -0.327420 -0.345902	I f	1.198/80	-2./14941	-1.520007
6-0.540564-1.961175-2.1552464.76899 $-3.67/98$ $-0.14/424$ 1-6.45253-2.667170-2.975611114.236589 $-4.561557$ $0.195905$ 6-7.000850.831581.11551266.883141 $-0.188598$ $-1.567739$ 1-8.0565020.8933811.34866717.847372 $-0.483878$ $-1.987882$ 1-6.6366261.843241 $0.918297$ 1 $7.071453$ $0.331727$ $-2.352218$ 6-9.045698 $-2.132424$ $-2.372465$ 6 $6.813257$ $-5.122445$ $-0.514342$ 1 $-9.634843$ $-1.372474$ $-2.01043$ $-1.621399$ 1 $6.305434$ $-5.832682$ $0.143488$ 1 $-8.809180$ $-2.883898$ $-3.02956$ 1 $7.847124$ $-5.07748$ $-0.171019$ 6 $-4.104642$ $-1.714230$ $-2.027736$ 6 $-2.62529$ $-2.425628$ $0.160050$ 1 $-4.088791$ $-2.408064$ $-3.038301$ $-2.375415$ $-3.092605$ $0.986536$ 1 $-3.128108$ $-2.881669$ $-0.904346$ 1 $-1.98433$ $-2.676802$ $-0.61414$ 1 $-3.27397$ $-0.10613$ $-2.159056$ 1 $-2.527238$ $-1.58055$ $-0.6927$ 6 $4.402323$ $-1.72966$ $0.507616$ $-4.679389$ $-2.54787$ $-0.75554$ 6 $4.249677$ $-3.289429$ 46 $-5.60627$ $-3.178910$ $-2.395456$ 6 $5.37504$ $-3.2$	6	-7.794538 -1.571537 -1.740231	6	6.103508	-3./9023/	-0.543291
$  \begin{array}{ccccccccccccccccccccccccccccccccccc$	6	-6.540564 -1.961175 -2.155524	6	4./68959	-3.6//9/8	-0.14/424
	l	-6.436253 -2.667170 -2.975611	1	4.236589	-4.561557	0.195905
67.000085 $0.831158$ $1.115512$ 66 $6.883141$ $0.18858$ $1.567739$ 1-6.636626 $1.843241$ $0.918297$ 1 $7.847372$ $0.48378$ $1.987882$ 1-6.636626 $1.843241$ $0.918297$ 1 $7.071453$ $0.537450$ $0.769553$ 1-6.480722 $0.475484$ $2.012750$ 1 $6.521934$ $0.33177$ $2.352218$ 6 $9.045698$ $2.132424$ $2.2372465$ 6 $6.813257$ $5.122445$ $0.514342$ 1 $9.634843$ $-1.322424$ $2.372465$ 6 $6.813257$ $5.122445$ $0.514342$ 1 $-9.634843$ $-1.621399$ 1 $6.305434$ $-5.82682$ $0.143488$ 1 $-8.809180$ $-2.88398$ $3.130295$ 1 $7.847124$ $-5.07490$ $0.171019$ 6 $-4.104642$ $-1.714230$ $-2.202736$ 6 $2.625829$ $-2.425628$ $0.160050$ 1 $-3.273397$ $-1.019613$ $-2.150805$ 1 $2.257238$ $1.158108$ $-0.751654$ 4 $-1.694203$ $0.750621$ $0.289429$ 46 $1.751248$ $-0.456509$ $0.259545$ 6 $4.402323$ $-1.720966$ $0.507616$ 6 $-4.679398$ $-2.574780$ $-1.43888$ 6 $4.249677$ $-3.038983$ $2.512291$ 6 $-5.606027$ $-3.472911$ $0.91919$ 1 $3.760391$ $-3.246642$ $3.460798$ 1 $-5.608994$ $-4.633386$ $-4.7073386$ 6 $5.93049$	6	-5.339232 -1.410312 -1.599350	6	4.086887	-2.453880	-0.194307
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6	-7.000085 0.831158 1.115512	6	6.883141	-0.188598	-1.567739
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-8.065602 0.893381 1.348667	1	7.847372	-0.483878	-1.987882
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-6.636626 1.843241 0.918297	1	7.071453	0.537450	-0.769553
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	1	-6.480722 0.475484 2.012750	1	6.321934	0.331727	-2.352218
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6	-9.045698 -2.132424 -2.372465	6	6.813257	-5.122445	-0.514342
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-9.634843 -1.342941 -2.853682	1	6.847912	-5.567748	-1.516026
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-9.692221 -2.601043 -1.621399	1	6.305434	-5.832682	0.143488
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-8.809180 -2.883898 -3.130295	1	7.847124	-5.017490	-0.171019
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6	-4.104642 -1.714230 -2.202736	6	2.625829	-2.425628	0.160050
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-4.088791 -2.408064 -3.038301	1	2.375415	-3.092605	0.986536
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-3.128108 -2.881669 -0.904346	1	1.986433	-2.676802	-0.691414
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1	-3.273397 -1.019613 -2.150805	1	2.527238	-1.158016	1.372407
46-1.694203 $0.750621$ $0.289429$ 461.751248 $0.456509$ $0.259545$ 64.402323-1.720966 $0.507616$ 64.688185-1.253356 $1.030566$ 63.757904-1.9824021.7333546-4.679389-2.534787 $0.443885$ 64.249677-3.0389832.5122916-5.060827-3.472911 $0.919119$ 13.760391-3.2466423.4607981-5.060894-4.463388 $0.470670$ 65.332061-3.8272532.1200866-6.517530-3.1858121.93585265.930499-3.5488720.8896216-6.479557-1.9120592.50695316.765472-4.1581230.5519161-7.166585-1.6687203.1408165.483573-2.5142390.0618966-5.573669-0.9338132.08479962.566405-1.2182072.2550566-3.736191-2.964796-0.65352212.386414-1.4716233.3032431-4.005469-3.962541-1.01004512.699195-0.1360252.1853461-3.749167-2.283553-1.50835265.852638-4.933733.0058786-5.52125+2.129502.39334915.063940-4.5678923.6639401-8.475086-4.0990241.85623066.173096-2.30507-1.2474351-5.286637-3.1597616.6295654 </td <td>34</td> <td>-3.947759 -0.178824 0.628701</td> <td>34</td> <td>3.817084</td> <td>0.351647</td> <td>-0.715654</td>	34	-3.947759 -0.178824 0.628701	34	3.817084	0.351647	-0.715654
61.0312051.0305160.0305166 $4.402323$ $-1.72056$ 0.5076166 $-4.688185$ $-1.253356$ $1.030566$ 6 $3.757904$ $-1.982402$ $1.733354$ 6 $-4.688185$ $-1.253356$ $1.030566$ 6 $4.249677$ $-3.038983$ $2.512291$ 6 $-5.606027$ $-3.472911$ $0.919119$ 1 $3.760391$ $-3.246642$ $3.460798$ 1 $-5.608994$ $-4.463388$ $0.470670$ 6 $5.332061$ $-3.827253$ $2.120086$ 6 $-6.517530$ $-3.185812$ $1.935852$ 6 $5.930499$ $-3.548872$ $0.889621$ 6 $-6.5773669$ $-0.933813$ $2.084799$ 6 $2.566405$ $-1.218207$ $2.255056$ 6 $-3.736191$ $-2.964796$ $-0.653522$ 1 $2.386414$ $-1.471623$ $3.303243$ 1 $-3.749167$ $-2.283553$ $-1.508352$ 1 $2.699195$ $-0.136025$ $2.18546$ 1 $-3.749167$ $-2.283553$ $-1.508352$ 6 $5.852638$ $-4.933373$ $3.005878$ 6 $-7.525125$ $-4.212950$ $2.393349$ 1 $5.063346$ $-5.3755422$ $2.416218$ 1 $-7.742714$ $-4.111985$ $3.461031$ 1 $6.669853$ $-1.329742$ $-1.321205$ 1 $-5.899888$ $1.213595$ $2.099332$ 1 $6.669853$ $-1.329742$ $-1.321205$ 1 $-5.899888$ $1.213595$ $2.099332$ 1 $6.669853$ $-1.329742$ $-1.26518$ <	46	-1 694203 -0 750621 -0 289429	46	1 751248	-0.456509	0 259545
6 $3.757904$ $1.92530$ $1.033354$ 6 $4.467389$ $1.2533787$ $0.443885$ 6 $4.249677$ $3.038983$ $2.512291$ 6 $-5.606027$ $3.472911$ $0.919119$ 1 $3.760391$ $-3.246642$ $3.460798$ 1 $-5.608994$ $-4.463388$ $0.470670$ 6 $5.332061$ $-3.827253$ $2.120086$ 6 $-6.79557$ $-1.912059$ $2.506953$ 1 $6.765472$ $-4.158123$ $0.551916$ 1 $-7.166885$ $-1.668720$ $3.314081$ 6 $5.483573$ $-2.514239$ $0.061896$ 6 $-5.573669$ $-0.933813$ $2.084799$ 6 $2.566405$ $-1.218207$ $2.255056$ 6 $-3.736191$ $-2.964796$ $-0.653522$ 1 $2.386414$ $-1.471623$ $3.303243$ 1 $-4.005469$ $-3.962541$ $-1.010045$ 1 $2.699195$ $-0.136025$ $2.185346$ 1 $-7.742714$ $-4.11985$ $3.461031$ 1 $6.269365$ $-5.755422$ $2.416218$ 1 $-7.742714$ $-4.11985$ $3.461031$ 1 $6.669853$ $-1.329742$ $-1.321205$ 1 $-5.8987182$ $0.299332$ 1 $6.6929694$ $-3.075307$ $-1.427435$ 1 $-6.276392$ $0.396112$ $3.622009$ 1 $5.461071$ $-2.350116$ $-2.097495$ 1 $-4.593195$ $0.74898$ $0.213776$ 6 $5.259179$ $1.427435$ 1 $-6.276392$ $0.396112$ $3.622009$ 1 $5.461071$		A 402323 -1 720966 0 507616		-/ 688185	-1 253356	1 030566
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6	3.757904 = 1.982402 = 1.733354	6	-/ 679389	-2 53/787	0.443885
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6	A 240677 3 038083 2 512201	6	5 606027	3 472011	0.445005
1 $3.700391$ $3.240072$ $3.400730$ 1 $5.00394$ $4.403368$ $0.470370$ 6 $5.332061$ $-3.827253$ $2.120086$ 6 $-6.517530$ $-3.185812$ $1.935852$ 6 $5.930499$ $-3.548872$ $0.889621$ 6 $-6.479557$ $-1.912059$ $2.506953$ 1 $6.765472$ $-4.158123$ $0.551916$ 1 $-7.166585$ $-1.668720$ $3.314081$ 6 $5.483573$ $-2.514239$ $0.061896$ 6 $-5.573669$ $-0.933813$ $2.084799$ 6 $2.566405$ $-1.218207$ $2.255056$ 6 $-3.736191$ $-2.964796$ $-0.653522$ 1 $2.386414$ $-1.471623$ $3.03243$ 1 $-4.005469$ $-3.962541$ $-1.010045$ 1 $2.699195$ $-0.136025$ $2.185346$ 1 $-7.742716$ $-2.283553$ $-1.508352$ 6 $5.852638$ $-4.93373$ $3.005878$ 6 $-7.525125$ $-4.212950$ $2.393349$ 1 $5.063346$ $-5.338644$ $3.645503$ 1 $-7.168961$ $-5.231252$ $2.212746$ 1 $6.269365$ $-5.755422$ $2.416218$ 1 $-7.742714$ $-4.11985$ $3.461031$ 1 $6.650940$ $-4.567892$ $3.663940$ 1 $-8.475086$ $-4.099024$ $1.856230$ 6 $6.173096$ $-2.303590$ $-1.266518$ 6 $-5.586712$ $0.410805$ $2.774599$ 1 $6.629853$ $-1.329742$ $-1.321205$ 1 $-5.899888$ $1.213595$ $2.099332$ </td <td>1</td> <td>3 760301 3 246642 3 460708</td> <td>0</td> <td>5 608004</td> <td>-3.472911</td> <td>0.919119</td>	1	3 760301 3 246642 3 460708	0	5 608004	-3.472911	0.919119
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	5.700591 -5.240042 5.400798	1	-5.008994	-4.403388	1.035852
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0	5.552001 - 5.827255 - 2.120080	0	-0.317330	-3.163612	1.955652
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0	5.950499 - 5.346672 - 0.669021	0	-0.4/933/	-1.912039	2.300933
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		0.703472 - 4.138125 - 0.331910		-7.100383	-1.008/20	3.314081
6 $2.306405$ $-1.218207$ $2.235056$ $6$ $-3.736191$ $-2.964796$ $-0.653522$ $1$ $2.386414$ $-1.471623$ $3.30243$ $1$ $-4.005469$ $-3.962541$ $-1.010045$ $1$ $2.699195$ $-0.136025$ $2.185346$ $1$ $-3.749167$ $-2.283553$ $-1.508352$ $6$ $5.852638$ $-4.933373$ $3.005878$ $6$ $-7.525125$ $-4.212950$ $2.393349$ $1$ $5.063346$ $-5.338644$ $3.645503$ $1$ $-7.168961$ $-5.231252$ $2.212746$ $1$ $6.269365$ $-5.755422$ $2.416218$ $1$ $-7.742714$ $-4.111985$ $3.461031$ $1$ $6.650940$ $-4.567892$ $2.663940$ $1$ $-8.475086$ $-4.09024$ $1.856230$ $6$ $6.173096$ $-2.303590$ $-1.266518$ $6$ $-5.586712$ $0.410805$ $2.774599$ $1$ $6.669853$ $-1.329742$ $-1.321205$ $1$ $-5.899888$ $1.213595$ $2.099332$ $1$ $6.929694$ $-3.075307$ $-1.427435$ $1$ $-6.276392$ $0.396112$ $3.622009$ $1$ $5.461071$ $-2.350116$ $-0.0778050$ $6$ $-4.444122$ $1.582639$ $-0.215776$ $6$ $5.569179$ $1.434748$ $-2.069167$ $6$ $-3.999199$ $2.871967$ $0.152621$ $6$ $6.619139$ $2.350067$ $-2.187827$ $6$ $-4.708313$ $3.974898$ $-0.333211$ $1$ $6.884692$ $2.709384$ $-3.179187$ $1$ <td>0</td> <td>3.485375 - 2.514239 - 0.001890</td> <td>0</td> <td>-3.3/3009</td> <td>-0.955815</td> <td>2.084799</td>	0	3.485375 - 2.514239 - 0.001890	0	-3.3/3009	-0.955815	2.084799
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0	2.566405 -1.218207 2.255056	0	-3./36191	-2.964/96	-0.653522
1 $2.699195$ $-0.136025$ $2.185346$ 1 $-3.749167$ $-2.283553$ $-1.308352$ 6 $5.852638$ $-4.933373$ $3.005878$ 6 $-7.525125$ $-4.212950$ $2.393349$ 1 $5.063346$ $-5.338644$ $3.645503$ 1 $-7.168961$ $-5.231252$ $2.212746$ 1 $6.269365$ $-5.755422$ $2.416218$ 1 $-7.742714$ $-4.111985$ $3.461031$ 1 $6.650940$ $-4.567892$ $3.663940$ 1 $-8.475086$ $-4.099024$ $1.856230$ 6 $6.173096$ $-2.303590$ $-1.266518$ 6 $-5.586712$ $0.410805$ $2.774599$ 1 $6.669853$ $-1.329742$ $-1.321205$ 1 $-5.899888$ $1.213595$ $2.099332$ 1 $6.929694$ $-3.075307$ $-1.427435$ 1 $-6.276392$ $0.396112$ $3.622009$ 1 $5.461071$ $-2.350116$ $-2.097495$ 1 $-4.593195$ $0.678072$ $3.150187$ 6 $5.230626$ $0.971687$ $-0.778050$ 6 $-4.444122$ $1.582639$ $-0.215776$ 6 $5.569179$ $1.434748$ $-2.069167$ 6 $-3.999199$ $2.871967$ $0.152621$ 6 $6.619139$ $2.370067$ $-2.187827$ 6 $-4.708313$ $3.974898$ $-0.333211$ 1 $6.884692$ $2.709384$ $-3.179187$ 1 $-4.370879$ $4.970493$ $-0.055237$ 6 $7.328070$ $2.814677$ $-1.077930$ 6 $-5.251635$ $2.544578$ $-1.507633$ <td>1</td> <td>2.380414 -1.4/1023 3.303243</td> <td>1</td> <td>-4.005469</td> <td>-3.962541</td> <td>-1.010045</td>	1	2.380414 -1.4/1023 3.303243	1	-4.005469	-3.962541	-1.010045
6 $5.852638$ $-4.933373$ $3.005878$ 6 $-7.525125$ $-4.212950$ $2.393349$ 1 $5.063346$ $-5.338644$ $3.645503$ 1 $-7.168961$ $-5.231252$ $2.212746$ 1 $6.269365$ $-5.755422$ $2.416218$ 1 $-7.742714$ $-4.111985$ $3.461031$ 1 $6.650940$ $-4.567892$ $3.663940$ 1 $-8.475086$ $-4.099024$ $1.856230$ 6 $6.173096$ $-2.303590$ $-1.266518$ 6 $-5.586712$ $0.410805$ $2.774599$ 1 $6.669853$ $-1.329742$ $-1.321205$ 1 $-5.899888$ $1.213595$ $2.099332$ 1 $6.929694$ $-3.075307$ $-1.427435$ 1 $-6.276392$ $0.396112$ $3.622009$ 1 $5.461071$ $-2.350116$ $-2.097495$ 1 $-4.593195$ $0.678072$ $3.150187$ 6 $5.230626$ $0.971687$ $-0.778050$ 6 $-4.444122$ $1.582639$ $-0.215776$ 6 $5.569179$ $1.434748$ $-2.069167$ 6 $-3.999199$ $2.871967$ $0.152621$ 6 $6.619139$ $2.350067$ $-2.187827$ 6 $-4.708313$ $3.974898$ $-0.333211$ 1 $6.884692$ $2.709384$ $-3.179187$ 1 $-4.370879$ $4.970493$ $-0.055237$ 6 $7.328070$ $2.814677$ $-1.077930$ 6 $-5.825685$ $3.835484$ $-1.158638$ 6 $6.948997$ $2.349829$ $0.182096$ 6 $-6.225463$ $2.544578$ $-1.507633$	l	2.699195 -0.136025 2.185346	I	-3./4916/	-2.283553	-1.508352
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6	5.852638 -4.933373 3.005878	6	-7.525125	-4.212950	2.393349
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	5.063346 -5.338644 3.645503	1	-7.168961	-5.231252	2.212746
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	6.269365 -5.755422 2.416218	1	-7.742714	-4.111985	3.461031
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	6.650940 -4.567892 3.663940	1	-8.475086	-4.099024	1.856230
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6	6.173096 -2.303590 -1.266518	6	-5.586712	0.410805	2.774599
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1	6.669853 -1.329742 -1.321205	1	-5.899888	1.213595	2.099332
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1	6.929694 -3.075307 -1.427435	1	-6.276392	0.396112	3.622009
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	5.461071 -2.350116 -2.097495	1	-4.593195	0.678072	3.150187
65.5691791.434748-2.0691676-3.9991992.8719670.15262166.6191392.350067-2.1878276-4.7083133.974898-0.33321116.8846922.709384-3.1791871-4.3708794.970493-0.05523767.3280702.814677-1.0779306-5.8256853.835484-1.15863866.9489972.3498290.1820966-6.2254632.544578-1.50763317.4739702.7152421.0614241-7.0841432.414653-2.16215965.8975021.4439440.3693716-5.5511341.398767-1.06763264.8344621.007894-3.3208396-2.7879623.1115701.025789	6	5.230626 0.971687 -0.778050	6	-4.444122	1.582639	-0.215776
66.6191392.350067-2.1878276-4.7083133.974898-0.33321116.8846922.709384-3.1791871-4.3708794.970493-0.05523767.3280702.814677-1.0779306-5.8256853.835484-1.15863866.9489972.3498290.1820966-6.2254632.544578-1.50763317.4739702.7152421.0614241-7.0841432.414653-2.16215965.8975021.4439440.3693716-5.5511341.398767-1.06763264.8344621.007894-3.3208396-2.7879623.1115701.025789	6	5.569179 1.434748 -2.069167	6	-3.999199	2.871967	0.152621
16.8846922.709384-3.1791871-4.3708794.970493-0.05523767.3280702.814677-1.0779306-5.8256853.835484-1.15863866.9489972.3498290.1820966-6.2254632.544578-1.50763317.4739702.7152421.0614241-7.0841432.414653-2.16215965.8975021.4439440.3693716-5.5511341.398767-1.06763264.8344621.007894-3.3208396-2.7879623.1115701.025789	6	6.619139 2.350067 -2.187827	6	-4.708313	3.974898	-0.333211
67.3280702.814677-1.0779306-5.8256853.835484-1.15863866.9489972.3498290.1820966-6.2254632.544578-1.50763317.4739702.7152421.0614241-7.0841432.414653-2.16215965.8975021.4439440.3693716-5.5511341.398767-1.06763264.8344621.007894-3.3208396-2.7879623.1115701.025789	1	6.884692 2.709384 -3.179187	1	-4.370879	4.970493	-0.055237
66.9489972.3498290.1820966-6.2254632.544578-1.50763317.4739702.7152421.0614241-7.0841432.414653-2.16215965.8975021.4439440.3693716-5.5511341.398767-1.06763264.8344621.007894-3.3208396-2.7879623.1115701.025789	6	7.328070 2.814677 -1.077930	6	-5.825685	3.835484	-1.158638
17.4739702.7152421.0614241-7.0841432.414653-2.16215965.8975021.4439440.3693716-5.5511341.398767-1.06763264.8344621.007894-3.3208396-2.7879623.1115701.025789	6	6.948997 2.349829 0.182096	6	-6.225463	2.544578	-1.507633
65.8975021.4439440.3693716-5.5511341.398767-1.06763264.8344621.007894-3.3208396-2.7879623.1115701.025789	1	7.473970 2.715242 1.061424	1	-7.084143	2.414653	-2.162159
6 4.834462 1.007894 -3.320839 6 -2.787962 3.111570 1.025789	6	5.897502 1.443944 0.369371	6	-5.551134	1.398767	-1.067632
	6	4.834462 1.007894 -3.320839	6	-2.787962	3.111570	1.025789

1	5.265237	1.499057 -4.196753	1	-2.639391	4.183660 1.176650	
1	4.883217	-0.073876 -3.481990	1	-2.893394	2.644527 2.010953	
1	3.773699	1.279448 -3.277929	1	-1.870227	2.711491 0.579824	
6	8.439630	3.824049 -1.233780	6	-6.554124	5.045381 -1.692315	
1	9.162395	3.754188 -0.415631	1	-6.490295	5.889787 -0.999324	
1	8.976946	3.686185 -2.177047	1	-6.121970	5.373126 -2.646001	
1	8 042191	4 846617 -1 232291	1	-7 611720	4 829803 -1 871735	
6	5 521333	1.062873 1.777929	6	-6.037709	0.054272 -1.547472	
1	6.004171	1.658548 2.402051	1	6766470	0.034272 - 1.347472 0.188571 - 2.350871	
1	1 460249	1.050540 2.492951	1	-0.700479	0.1005/1 - 2.550071 0.522796 - 1.046242	
1	4.400248	1.203083 1.949330	1	-5.207202	-0.332/80 -1.940343	
1	5./11635	0.007618 1.990033	1	-0.518564	-0.522515 -0.752176	
17	0.612/14	-1.485096 -1.018694	17	-0.350811	-1.32/932 1.101253	
34	3.799141	-0.356/25 -0.760801	34	-3.394355	0.13815/ 0.570135	
46	1.579563	0.625503 -0.272412	46	-1.529244	-0.521208 -0.945740	
1	-4.480715	0.506467 3.501998	1	4.533363	2.807972 -2.134845	
1	1.663553	-1.467114 1.688092	1	-2.700034	-3.008529 -0.300730	
17	2.453573	2.662528 0.460693	17	0.467347	-0.922022 -2.219253	
17	-0.675060	1.479274 -0.082835	17	1.006902	1.857751 0.373943	
8	-2.340668	-3.001832 -0.314467	17	-2.652420	0.136580 -2.874152	
6	-2.659119	-3.791360 0.840833				
1	-1.781375	-3.722976 1.488909				
1	-3.509699	-3.350304 1.380246				
6	-2.944607	-5.241667 0.472405				
1	-3.131886	-5.833812 1.375263				
1	-3.828678	-5.318732 -0.169635				
1	-2.093827	-5 676958 -0 059375				
-	2.090027					
	Т	S(1-9)		TS(1-	4)EtOH	
					,	
	$\mathbf{E} = -$	8445.6777108		<b>E</b> = -84	45.7326233	
	$\mathbf{E} = -\mathbf{G}$	8445.6777108 -8445.003736		$\mathbf{E} = -84$ $\mathbf{G} = -84$	145.7326233 145.062712	
	E = - G = - Nim	8445.6777108 -8445.003736 <b>ag</b> = -897.6477		$\mathbf{E} = -84$ $\mathbf{G} = -84$ Nimag	445.7326233 445.062712 = -751.4686	
	E = - G = - Nima	8445.6777108 -8445.003736 ag = -897.6477		E = -84 G = -84 Nimag	445.7326233 445.062712 = -751.4686	
6	E = -G = -Nims	8445.6777108 -8445.003736 ag = -897.6477 2.005367 -0.294815	6	E = -84 G = -84 Nimag 4.573499	445.7326233 445.062712 = -751.4686 -1.873446 0.567634	
6	E = -G = -Nims 4.386050 3.537130	8445.6777108 -8445.003736 ag = -897.6477 2.005367 -0.294815 2.922930 -0.962614	6	E = -84 G = -84 Nimag 4.573499 4.920008	445.7326233 445.062712 = -751.4686 -1.873446 0.567634 -2.461094 -0.666696	
6 6 6	E = -G = -Nima 4.386050 3.537130 3.754913	8445.6777108 -8445.003736 <b>ag</b> = -897.6477 2.005367 -0.294815 2.922930 -0.962614 4 289554 -0 765748	666	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769 \end{array}$	
6 6 1	E = -G = -G Nima 4.386050 3.537130 3.754913 3.094604	8445.6777108 -8445.003736 <b>ag</b> = -897.6477 2.005367 -0.294815 2.922930 -0.962614 4.289554 -0.765748 4 989582 -1 270976	6 6 6	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4 192294 & -1 586049 \end{array}$	
6 6 1 6	E = - G = - Nima 4.386050 3.537130 3.754913 3.094604 4.786177	8445.6777108 -8445.003736 <b>ag</b> = -897.6477 2.005367 -0.294815 2.922930 -0.962614 4.289554 -0.765748 4.989582 -1.270976 4.774285 0.037016	6 6 1	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829 \end{array}$	
6 6 1 6	E = - G = - Nim: 4.386050 3.537130 3.754913 3.094604 4.786177 5.657199	8445.6777108 -8445.003736 ag = -897.6477 2.005367 -0.294815 2.922930 -0.962614 4.289554 -0.765748 4.989582 -1.270976 4.774285 0.037016 3.841474 0.601309	6 6 1 6	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ 3.827019 & 1.748219 \end{array}$	
6 6 1 6	E = - G = - Nim: 4.386050 3.537130 3.754913 3.094604 4.786177 5.657199 6.511712	8445.6777108 -8445.003736 ag = -897.6477 2.005367 -0.294815 2.922930 -0.962614 4.289554 -0.765748 4.989582 -1.270976 4.774285 0.037016 3.841474 0.601309 4.106966 1 171064	6 6 1 6 6	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.408142	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ 4.358815 & 2.682014 \end{array}$	
6 6 1 6 1	E = - G = - Nim: 4.386050 3.537130 3.754913 3.094604 4.786177 5.657199 6.511712	8445.6777108 -8445.003736 <b>ag</b> = -897.6477 2.005367 -0.294815 2.922930 -0.962614 4.289554 -0.765748 4.989582 -1.270976 4.774285 0.037016 3.841474 0.601309 4.196866 1.171964 2.457200 0.448607	6 6 1 6 1	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \end{array}$ $\begin{array}{l} -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ 2.557241 & 1.700122\end{array}$	
6 6 1 6 1 6	E = - G = - Nima 4.386050 3.537130 3.754913 3.094604 4.786177 5.657199 6.511712 5.502349	8445.6777108 $-8445.003736$ $ag = -897.6477$ $2.005367 - 0.294815$ $2.922930 - 0.962614$ $4.289554 - 0.765748$ $4.989582 - 1.270976$ $4.774285 0.037016$ $3.841474 0.601309$ $4.196866 1.171964$ $2.457890 0.448607$ $2.511126 1.909204$	6 6 1 6 1 6	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.662925	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -2.002541\\ \end{array}$	
6 6 1 6 1 6	E = - G = - Nima 4.386050 3.537130 3.754913 3.094604 4.786177 5.657199 6.511712 5.502349 2.430506 2.430506	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 2.457890 & 0.402744\\ \end{array}$	6 6 1 6 1 6 6	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.663885 4.663885	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.457512 & 0.402477\\ \end{array}$	
6 6 1 6 1 6 1	E = - G = - Nima 4.386050 3.537130 3.754913 3.094604 4.786177 5.657199 6.511712 5.502349 2.430506 2.099761	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline \\ 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ \hline \end{array}$	6 6 1 6 1 6 6 1	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.663885 4.969828	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ \hline \end{array}$	
6 6 1 6 1 6 1 1 1	E = - G = - Nima 4.386050 3.537130 3.754913 3.094604 4.786177 5.657199 6.511712 5.502349 2.430506 2.099761 1.561884	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline \\ 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ \end{array}$	6 6 1 6 1 6 1 6 1 1	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.663885 4.969828 5.203433	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ \end{array}$	
6 6 1 6 1 6 1 1 6	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nima} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline \\ 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ \end{array}$	6 6 1 6 1 6 1 6 1 1 6	E = -84 G = -84 Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.663885 4.969828 5.203433 6.325884	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ \end{array}$	
6 6 1 6 1 6 1 1 6 1 1 6 1	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nima} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ \end{array}$	6 6 1 6 1 6 1 1 6 1 1 6 1	E = -84 $G = -84$ Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.663885 4.969828 5.203433 6.325884 5.538358	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ \end{array}$	
6 6 1 6 1 6 1 1 6 1 1 1	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nima} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.009298 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ \hline\end{array}$	6 6 1 6 1 6 1 1 6 1 1 6 1 1	E = -84 $G = -84$ Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.663885 4.969828 5.203433 6.325884 5.538358 6.940901	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ \end{array}$	
6 6 1 6 1 6 1 1 6 1 1 1 1 1	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nims} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.009298 \\ 4.366801 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ \hline\end{array}$	6 6 1 6 1 6 1 1 6 1 1 6 1 1 1 1	E = -84 $G = -84$ Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.663885 4.969828 5.203433 6.325884 5.538358 6.940901 6.946694	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ -5.977195 & -0.351207\\ \end{array}$	
6 6 1 6 1 6 1 1 6 1 1 1 1 1 6	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nims} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.009298 \\ 4.366801 \\ 6.596787 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ 1.594570 & 1.037247\\ \hline \end{array}$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	E = -84 $G = -84$ Nimag 4.573499 4.920008 5.504376 5.781434 5.727597 5.345026 5.498142 4.762521 4.663885 4.969828 5.203433 6.325884 5.538358 6.940901 6.946694 4.347187	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ -5.977195 & -0.351207\\ -1.990832 & 3.130588\\ \end{array}$	
6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 6 1	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nims} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.009298 \\ 4.366801 \\ 6.596787 \\ 6.296980 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ 1.594570 & 1.037247\\ 1.103506 & 1.966079\\ \hline \end{array}$	6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 6 1	$\begin{array}{l} \mathbf{E} = -84\\ \mathbf{G} = -84\\ \mathbf{Nimag}\\ \\ 4.573499\\ 4.920008\\ 5.504376\\ 5.781434\\ 5.727597\\ 5.345026\\ 5.498142\\ 4.762521\\ 4.663885\\ 4.969828\\ 5.203433\\ 6.325884\\ 5.538358\\ 6.940901\\ 6.946694\\ 4.347187\\ 4.845497\\ \end{array}$	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ -5.977195 & -0.351207\\ -1.990832 & 3.130588\\ -1.041984 & 3.354395\\ \end{array}$	
6 6 1 6 1 6 1 1 6 1 1 1 6 1 1 1 1	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nims} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.009298 \\ 4.366801 \\ 6.596787 \\ 6.296980 \\ 7.462368 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ 1.594570 & 1.037247\\ 1.103506 & 1.966079\\ 2.221225 & 1.265457\\ \hline \end{array}$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	$\begin{array}{l} \mathbf{E} = -84\\ \mathbf{G} = -84\\ \mathbf{Nimag}\\ \\ 4.573499\\ 4.920008\\ 5.504376\\ 5.781434\\ 5.727597\\ 5.345026\\ 5.498142\\ 4.762521\\ 4.663885\\ 4.969828\\ 5.203433\\ 6.325884\\ 5.538358\\ 6.940901\\ 6.946694\\ 4.347187\\ 4.845497\\ 4.594097\\ \end{array}$	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ -5.977195 & -0.351207\\ -1.990832 & 3.130588\\ -1.041984 & 3.354395\\ -2.694403 & 3.928900\\ \end{array}$	
6 6 1 6 1 6 1 1 6 1 1 6 1 1 1 6 1 1 1	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nims} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.009298 \\ 4.366801 \\ 6.596787 \\ 6.296980 \\ 7.462368 \\ 6.927749 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ 1.594570 & 1.037247\\ 1.103506 & 1.966079\\ 2.221225 & 1.265457\\ 0.811719 & 0.352241\\ \hline \end{array}$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	$\begin{array}{l} \mathbf{E} = -84\\ \mathbf{G} = -84\\ \mathbf{Nimag}\\ \\ 4.573499\\ 4.920008\\ 5.504376\\ 5.781434\\ 5.727597\\ 5.345026\\ 5.498142\\ 4.762521\\ 4.663885\\ 4.969828\\ 5.203433\\ 6.325884\\ 5.538358\\ 6.940901\\ 6.946694\\ 4.347187\\ 4.845497\\ 4.594097\\ 3.268261\\ \end{array}$	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\\hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ -5.977195 & -0.351207\\ -1.990832 & 3.130588\\ -1.041984 & 3.354395\\ -2.694403 & 3.928900\\ -1.807508 & 3.173951\\ \end{array}$	
	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nima} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.009298 \\ 4.366801 \\ 6.596787 \\ 6.296980 \\ 7.462368 \\ 6.927749 \\ 5.046120 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ 1.594570 & 1.037247\\ 1.103506 & 1.966079\\ 2.221225 & 1.265457\\ 0.811719 & 0.352241\\ -1.027525 & 0.438568\\ \hline \end{array}$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	$\begin{array}{l} \mathbf{E} = -84\\ \mathbf{G} = -84\\ \mathbf{Nimag}\\ \\ 4.573499\\ 4.920008\\ 5.504376\\ 5.781434\\ 5.727597\\ 5.345026\\ 5.498142\\ 4.762521\\ 4.663885\\ 4.969828\\ 5.203433\\ 6.325884\\ 5.538358\\ 6.940901\\ 6.946694\\ 4.347187\\ 4.845497\\ 4.594097\\ 3.268261\\ 4.841354 \end{array}$	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\\hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ -5.977195 & -0.351207\\ -1.990832 & 3.130588\\ -1.041984 & 3.354395\\ -2.694403 & 3.928900\\ -1.807508 & 3.173951\\ 1.072163 & -0.374220\\ \end{array}$	
	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nima} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.099298 \\ 4.366801 \\ 6.596787 \\ 6.296980 \\ 7.462368 \\ 6.927749 \\ 5.046120 \\ 5.918096 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ 1.594570 & 1.037247\\ 1.103506 & 1.966079\\ 2.221225 & 1.265457\\ 0.811719 & 0.352241\\ -1.027525 & 0.438568\\ -1.901976 & -0.245691\\ \hline \end{array}$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\$	$\begin{array}{l} \mathbf{E} = -84\\ \mathbf{G} = -84\\ \mathbf{Nimag}\\ \\ 4.573499\\ 4.920008\\ 5.504376\\ 5.781434\\ 5.727597\\ 5.345026\\ 5.498142\\ 4.762521\\ 4.663885\\ 4.969828\\ 5.203433\\ 6.325884\\ 5.538358\\ 6.940901\\ 6.946694\\ 4.347187\\ 4.845497\\ 4.594097\\ 3.268261\\ 4.841354\\ 4.188071\\ \end{array}$	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ -5.977195 & -0.351207\\ -1.990832 & 3.130588\\ -1.041984 & 3.354395\\ -2.694403 & 3.928900\\ -1.807508 & 3.173951\\ 1.072163 & -0.374220\\ 1.784557 & -1.388854\\ \hline \end{array}$	
$\begin{array}{c} 6 \\ 6 \\ 1 \\ 6 \\ 1 \\ 6 \\ 1 \\ 1 \\ 6 \\ 1 \\ 1$	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nima} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.09298 \\ 4.366801 \\ 6.596787 \\ 6.296980 \\ 7.462368 \\ 6.927749 \\ 5.046120 \\ 5.918096 \\ 6.668864 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline \\ 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ 1.594570 & 1.037247\\ 1.103506 & 1.966079\\ 2.221225 & 1.265457\\ 0.811719 & 0.352241\\ -1.027525 & 0.438568\\ -1.901976 & -0.245691\\ -2.801952 & 0.515899\\ \hline \end{array}$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\$	$\begin{array}{l} \mathbf{E} = -84\\ \mathbf{G} = -84\\ \mathbf{Nimag}\\ \\ 4.573499\\ 4.920008\\ 5.504376\\ 5.781434\\ 5.727597\\ 5.345026\\ 5.498142\\ 4.762521\\ 4.663885\\ 4.969828\\ 5.203433\\ 6.325884\\ 5.538358\\ 6.940901\\ 6.946694\\ 4.347187\\ 4.845497\\ 4.594097\\ 3.268261\\ 4.841354\\ 4.188071\\ 4.908881\\ \end{array}$	$\begin{array}{l} 445.7326233\\ 445.062712\\ = -751.4686\\ \\ \hline \\ -1.873446 & 0.567634\\ -2.461094 & -0.666696\\ -3.732349 & -0.640769\\ -4.192294 & -1.586049\\ -4.431182 & 0.547829\\ -3.827019 & 1.748219\\ -4.358815 & 2.683914\\ -2.557241 & 1.790133\\ -1.812411 & -2.003541\\ -2.478561 & -2.813487\\ -0.868456 & -2.117815\\ -5.816452 & 0.534657\\ -6.580017 & 0.526042\\ -5.995151 & 1.421669\\ -5.977195 & -0.351207\\ -1.990832 & 3.130588\\ -1.041984 & 3.354395\\ -2.694403 & 3.928900\\ -1.807508 & 3.173951\\ 1.072163 & -0.374220\\ 1.784557 & -1.388854\\ 2.765599 & -2.080392 \end{array}$	
$\begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 6\\ 6\\ 1\\ 1\end{array}$	$\begin{array}{l} \mathbf{E} = -\\ \mathbf{G} = -\\ \mathbf{Nima} \\ 4.386050 \\ 3.537130 \\ 3.754913 \\ 3.094604 \\ 4.786177 \\ 5.657199 \\ 6.511712 \\ 5.502349 \\ 2.430506 \\ 2.099761 \\ 1.561884 \\ 4.965955 \\ 4.644427 \\ 6.009298 \\ 4.366801 \\ 6.596787 \\ 6.296980 \\ 7.462368 \\ 6.927749 \\ 5.046120 \\ 5.918096 \\ 6.668864 \\ 7.351076 \end{array}$	$\begin{array}{l} 8445.6777108\\ -8445.003736\\ \mathbf{ag} = -897.6477\\ \hline 2.005367 & -0.294815\\ 2.922930 & -0.962614\\ 4.289554 & -0.765748\\ 4.989582 & -1.270976\\ 4.774285 & 0.037016\\ 3.841474 & 0.601309\\ 4.196866 & 1.171964\\ 2.457890 & 0.448607\\ 2.511136 & -1.898294\\ 3.367820 & -2.489744\\ 2.129011 & -1.357120\\ 6.253335 & 0.271516\\ 6.837765 & -0.595606\\ 6.502636 & 0.485947\\ 6.586668 & 1.127954\\ 1.594570 & 1.037247\\ 1.103506 & 1.966079\\ 2.221225 & 1.265457\\ 0.811719 & 0.352241\\ -1.027525 & 0.438568\\ -1.901976 & -0.245691\\ -2.801952 & 0.515899\\ -3.474461 & 0.001875\\ \hline \end{array}$	$ \begin{array}{c} 6\\ 6\\ 1\\ 6\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 6\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	$\begin{array}{l} \mathbf{E} = -84\\ \mathbf{G} = -84\\ \mathbf{Nimag}\\ \\ 4.573499\\ 4.920008\\ 5.504376\\ 5.781434\\ 5.727597\\ 5.345026\\ 5.498142\\ 4.762521\\ 4.663885\\ 4.969828\\ 5.203433\\ 6.325884\\ 5.538358\\ 6.940901\\ 6.946694\\ 4.347187\\ 4.845497\\ 4.594097\\ 3.268261\\ 4.841354\\ 4.188071\\ 4.908881\\ 4.405062\\ \end{array}$	$\begin{array}{llllllllllllllllllllllllllllllllllll$	

6	5.686985	-1.986325	2.544312	6	6.871930	2.277090	-0.787586	
1	5.598809	-2.014817	3.627857	1	7.914539	2.472810	-0.548473	
6	4.907190	-1.060268	1.839956	6	6.190029	1.309275	-0.045962	
6	6.068365	-1 912366	-1 750205	6	2 758544	1 509572	-1 765517	
1	6 825202	-2 6/1199	-2 0/983/	1	2.065403	1 820828	-0.668881	
1	6 260214	0.025711	2.042034	1	2.005405	0.670740	2 471086	
1	5 124670	-0.955711	-2.143423	1	2.091704	0.070740	-2.471900	
I C	5.124070	-2.182215	-2.233770	I C	2.283033	2.332078	-2.273057	
0	/.366908	-3.8/1024	2.699165	0	7.011593	4.093213	-2.542478	
1	8.329728	-4.079828	2.223640		8.045/52	3./91484	-2./35125	
1	6.828085	-4.823544	2.775462	1	7.046590	5.020287	-1.957465	
1	7.556409	-3.521519	3.718050	1	6.540233	4.327887	-3.500619	
6	3.970734	-0.171741	2.622949	6	6.896468	0.582880	1.072317	
1	4.360816	-0.009114	3.631807	1	7.896752	0.993995	1.226246	
1	2.982043	-0.632545	2.726279	1	6.998205	-0.487407	0.865906	
1	3.801286	0.798214	2.154961	1	6.347005	0.680727	2.016007	
34	3.983282	0.131620	-0.712431	34	3.763716	-0.108593	0.736434	
46	1.642029	-0.679425	-0.114588	46	1.702469	-0.067820	-0.568325	
6	-4.859526	-1.506691	0.572460	6	-3.989029	1.430347	-0.614290	
6	-4.925646	-2.429652	-0.491285	6	-3.205185	2.211428	0.257098	
6	-5.880871	-3.451253	-0.405479	6	-3.474528	3.588180	0.312019	
1	-5.940709	-4.166753	-1.221930	1	-2.851081	4,199390	0.959955	
6	-6.751429	-3.583130	0.677419	6	-4.483130	4.183506	-0.445535	
6	-6.640750	-2.661575	1.720201	6	-5.241576	3.371557	-1.293967	
1	-7 295357	-2 752031	2 583816	1	-6.028097	3 816530	-1 899393	
6	-5 701848	-1 624887	1 700825	6	-5 010190	1 998677	-1 410290	
6	-4 036452	-2 394778	-1 710756	6	-2 088210	1 689494	1 126045	
1	-4 362917	-3 1/6592	-2 /3/133	1	-1 808/3/	2 1/1/385	1.120045	
1	-4 043948	-1 420588	-2 206693	1	-2 356793	0.766526	1.645430	
6	-7 791839	-4 676580	0.710850	6	-4 758406	5 66/109	-0 3380/6	
1	-7 455017	-5 565642	0.169638	1	-5 574634	5 862036	0.368187	
1	-8 029877	-4 971539	1 737148	1	-3 877823	6 204248	0.019428	
1	-8 726593	-4 344624	0.241861	1	-5.055360	6 087808	-1 302712	
6	-5 636806	-0.686180	2 883626	6	-5 852176	1 199630	-2 379101	
1	-5 916367	0.336387	2.605020	1	-6 437128	0.423574	-1 874842	
1	-6 316087	-1 020832	3 671353	1	-6 550822	1 856852	-2 902308	
1	4 626460	0.640810	3 303030	1	5 233838	0.700536	3 133785	
6	4 510432	1 587326	0.571350	6	5 166303	1 /3/310	0.216366	
6	4 000434	2 607402	1 300652	6	5 627555	2 /01128	1 032/18	
6	4.664254	2.007402	1.399032	6	6754132	2.491120	-1.052418	
1	4.004234	1.628354	2 054721	1	-0.754152	-3.203033	1 236777	
1	-4.209070	4.028334	0.657060	1	7 420808	2 006524	0.577170	
0	-3.808418	4.078800	0.057900	0	-7.420898	1 969697	1 266022	
0	-0.262700	2 210291	-0.134203	0	-0.920342	-1.606067	2 206807	
I C	-7.105544	3.219381	-0.708095		-7.412397	-1.055557	2.300807	
0	-3.030700	1.797393	-0.255090	0	-3.789819	-1.124626	1.009/18	
0	-2.750005	2.435917	2.242804	0	-4.949012	-2.899649	-2.321195	
1	-2.543919	3.35/109	2.790832	1	-5.4///59	-3./40900	-2.1/5/39	
1	-2.864411	1.62/00/	2.973424	1	-4.921140	-2.084620	-3.051627	
l	-1.8/4421	2.2012//	1.636459	I C	-3.9136/3	-3.214517	-2.148648	
0	-6.486532	5.42/418	0.677886	0	-8.620189	-3./080/1	1.021564	
1	-6.369398	5.920880	1.64/509	1	-9.109992	-4.199125	0.1/5904	
1	-6.055893	6.093066	-0.080529		-8.325574	-4.491485	1.730721	
l	-7.556349	5.341651	0.465368		-9.359093	-3.077329	1.525392	
6	-6.224631	0.772529	-1.182487	6	-5.290143	-0.0/5493	1.968/75	
1	-0.964206	1.241/52	-1.836086		-5.865677	-0.112147	2.896866	
1	-3.435666	0.358576	-1.814136		-4.241675	-0.259409	2.217982	
1	-6./15214	-0.052593	-0.658135	1	-5.370022	0.935754	1.562186	
17	-0.511435	-1.710582	0.436976	17	-0.361610	0.011079	-1.893177	

34 -3.520146 -0.085974 0.673207	34 -3.647919 -0.464954 -0.963472
46 -1.723716 -0.146817 -1.053132	46 -1.484268 -1.242022 -0.088022
1 2.741801 1.732590 -2.602763	1 3.596176 -1.599289 -2.131620
1 -2.993208 -2.612886 -1.457210	1 -1.189424 1.489426 0.534478
17 0.208283 -0.138108 -2.468234	17 -2.449310 -2.497053 1.611815
1 2 323065 -1 726840 0 759004	17 1 665467 2 901718 0 680471
8 2 572482 -2 398764 -0 785055	17  0.777241 -2.011778  0.507980
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 = 0.103413 + 214590 + 451697
1 1 157460 2 805527 0 465001	8 0.768524 4.726441 1.046808
$1 \qquad 1.137409  -3.693337  -0.403001 \\ 1 \qquad 1.034171  3.048240  2.016482$	6 0 155317 5 217027 3 130470
1 1.034171 - 5.048247 - 2.010482 $17 1.000051 1.251021 1.114150$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
17 1.000951 1.251921 1.114159	1 0.223070 4.390000 3.750877
1/ -2.84/514 1.290598 -2.499201	I 0.700704 5.858545 2.887489
0 2.051854 -4.489152 -1.917551	0 -1.1890/0 0.010389 3.908841
1 3.206267 -4.059770 -2.757415	1 -0.755377 6.420116 4.829881
1 3.368836 -4.882117 -1.190223	1 -1.560153 6.851171 3.305422
1 2.047022 -5.321529 -2.294897	1 -2.041833 5.384214 4.175901
TS(1-4)2EtOH	TS(1-4)···EtOH···EtOH
$\mathbf{E} = -8600.7920754$	$\mathbf{E} = -8600.7949037$
G = -8600.048930	$\mathbf{G} = -8600.049192$
Nimag = -9565016	$Nimag = -852 \ 4654$
6 4 476775 -2 418632 0 314036	6 4 734816 -2 048416 0 507426
6 4 739605 -2 759708 -1 028972	6 5.087612 -2.577631 -0.751154
6 5 248745 4 037043 1 287359	6 5 707603 3 831805 0 778275
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
0 5.4//438 -4.9/2084 -0.2/34/5	0 5.959998 -4.509255 0.380805
6 5.181267 -4.605321 1.039338	6 5.5/09/6 -4.022364 1.606443
1 5.341156 -5.321790 1.841037	1 5./46683 -4.585140 2.519//8
6 4.677645 -3.342278 1.364035	6 4.954065 -2.771921 1.701577
6 4.469509 -1.841082 -2.193303	6 4.802577 -1.885463 -2.059996
1 4.716388 -2.337957 -3.134294	1 5.115900 -2.513303 -2.897217
1 5.048314 -0.915303 -2.135557	1 5.318728 -0.925244 -2.143558
6 5.990968 -6.354392 -0.598416	6 6.596451 -5.935534 0.309945
1 5.158792 -7.044999 -0.782479	1 5.830504 -6.720575 0.293695
1 6.579089 -6.766331 0.226764	1 7.235895 -6.124647 1.177349
1 6.615623 -6.350024 -1.496294	1 7.201573 -6.049944 -0.593711
6 4.356361 -3.036691 2.810812	6 4.535644 -2.267977 3.065728
1 4.909380 -2.168901 3.184700	1 5.011789 -1.315824 3.321596
1 4.609692 -3.891998 3.441353	1 4.807405 -2.994572 3.834716
1 3.290498 -2.826795 2.951287	1 3.452753 -2.114934 3.124169
6 4.867105 0.652804 -0.026511	6 4.890736 0.940269 -0.334629
6 4 191388 1 582890 -0 828934	6 4 193226 1 661439 -1 313101
6 4 897339 2 701468 -1 290945	6 4 864212 2 694234 -1 979234
1 4 356702 3 462064 1 847220	1 4 326420 3 270962 2 727440
6 6 256065 2 862246 1 017217	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
0 0.905001 1.895910 -0.259028	0 0.800900 2.253220 -0.730380
1 7.957920 2.019388 -0.003695	1 /.905/10 2.46155/ -0.508065
0 0.23182/ 0.788508 0.289485	0 0.235092 1.216031 -0.02002/
6 2.751223 1.410744 -1.225569	6 2.7/1191 1.340188 -1.681379
1 2.048650 1.562518 -0.022678	1 2.067682 1.608077 -0.550946
1 2.656612 0.754751 -2.100478	1 2.730005 0.529208 -2.421387
1 2.284428 2.359726 -1.512562	1 2.253437 2.181808 -2.149516
6 7.014950 4.052728 -1.555869	6 6.905758 4.119132 -2.424159
1 7.482584 3.816787 -2.519968	1 7.952528 3.873495 -2.627537
1 7.813389 4.361068 -0.874284	1 6.897775 5.029981 -1.813189

1	6.350435	4.906265	-1.714693		1	6.420075	4.357846	-3.374143
6	6.961656	-0.183840	1.183244		6	6.986989	0.474321	1.057617
1	7.981743	0.158566	1.372033		1	7.974932	0.914536	1.210625
1	7.017060	-1.184159	0.741475		1	7.121954	-0.583130	0.808309
1	6.460133	-0.285570	2.153180		1	6.451397	0.516500	2.013310
34	3.780722	-0.685523	0.868639	3	4	3.875029	-0.316067	0.749518
46	1.681328	-0.290134	-0.302892	4	6	1.793288	-0.296758	-0.520042
6	-4 071279	1 251912	-0 475498		6	-4 020031	0.860545	-0 538899
6	3 317514	2 007290	0.444225		6	3 300/16	1 66/1/1	0.376183
6	3 582400	2.007290	0.525212		6	3 681054	2 011465	0.376183
1	-3.362499	2.076764	1 109672		1	2 102029	2 6 4 2 2 5 0	1 162084
I	-2.969691	3.9/0/04	1.198072		1	-3.123938	3.042250	1.102084
6	-4.562909	4.004002	-0.247943	(	6	-4./16048	3.56/699	-0.279554
6	-5.297254	3.217410	-1.139727	(	6	-5.393908	2.735202	-1.173354
1	-6.063233	3.681089	-1.757229		1	-6.197638	3.146366	-1.779602
6	-5.064856	1.847705	-1.286880	(	6	-5.063357	1.385966	-1.333885
6	-2.231737	1.460524	1.338305	(	6	-2.167334	1.192260	1.242287
1	-2.019275	2.171305	2.138996		1	-1.919435	1.958441	1.978969
1	-2.497950	0.500297	1.785106		1	-2.395690	0.261986	1.768157
6	-4.833249	5.483036	-0.111672	(	6	-5.084114	5.022302	-0.120199
1	-5.647306	5.670294	0.599982		1	-5.746432	5.161540	0.743999
1	-3 950007	6.013298	0 254402		1	-4 193206	5 636381	0.047819
1	-5 130292	5 926126	-1.067361		1	-5 615322	5 397068	-1.000605
6	5 87/810	1.082428	2 308642		6	5 830268	0.567796	2 348073
1	-3.074019	0.082426	1 952195		1	-5.850208	0.262656	1 002007
1	-0.403997	0.282155	-1.652165		1	-0.572270	-0.202030	-1.883807
1	-0.304893	1./55554	-2.823139		1	-0.500945	1.195495	-2.803047
I	-5.232047	0.620254	-3.066329		l	-5.165253	0.138327	-3.105926
6	-5.260048	-1.609911	-0.193090	(	6	-5.011598	-2.080839	-0.235836
6	-5.784669	-2.568218	-1.088756	(	6	-5.426393	-3.117839	-1.100891
6	-6.930455	-3.270524	-0.703621	(	6	-6.513193	-3.906007	-0.710663
1	-7.338465	-4.011944	-1.386256		1	-6.839488	-4.704192	-1.372994
6	-7.556620	-3.053447	0.525923	(	6	-7.184316	-3.699634	0.496431
6	-6.987181	-2.122201	1.396118	(	6	-6.729080	-2.679058	1.333283
1	-7.438433	-1.964032	2.372545		1	-7.224178	-2.515438	2.287390
6	-5.834096	-1.396016	1.075559	(	6	-5.638886	-1.863768	1.007502
6	-5.150721	-2.889874	-2.423935	(	6	-4.740171	-3.427622	-2.413053
1	-5.721591	-3.669750	-2.933663		1	-5.225845	-4.276261	-2.900772
1	-5 108459	-2 017436	-3.083851		1	-4 767651	-2 579921	-3 105362
1	-4 124857	-3 255336	-2 304075		1	-3 686691	-3 690216	-2 265256
6	8 81/020	3 708781	0.800320		6	8 338208	4 582205	0.006007
1	0 707304	3 263337	0.551/18		1	8 856520	4.004762	0.900097
1	9.707394	-5.205557	0.331418		1	7 097256	5 429695	1 500250
1	-0.03/010	-4.795540	0.449032		1	-7.967230	-3.420003	1.509259
I	-8.905189	-3.912119	1.983479		I ć	-9.06/32/	-4.033621	1.509863
0	-5.244576	-0.481421	2.1164/1	(	0	-5.17/539	-0.843353	2.014393
1	-5.823788	-0.538256	3.041207		l	-5.750284	-0.942331	2.939575
1	-4.219058	-0.789676	2.341860		1	-4.122994	-1.005514	2.253671
1	-5.225244	0.562488	1.793808		1	-5.291991	0.181871	1.653981
17	-0.394469	0.082958	-1.563510	11	7	-0.292667	-0.240791	-1.807707
34	-3.717539	-0.631621	-0.878789	3-	4	-3.551377	-0.996767	-0.942119
46	-1.557669	-1.461899	-0.033007	4	6	-1.345199	-1.657079	-0.079520
1	3.409249	-1.564847	-2.229055		1	3.728891	-1.693472	-2.169887
1	-1.299551	1.319190	0.784414		1	-1.263268	1.024641	0.649127
17	-2.561371	-2.975426	1.415812	1	7	-2.228537	-3.074095	1.534921
17	1 718318	2.504179	1 394290	1	7	1 650491	2 653576	0 791272
17	0.670600	_2.30+179	0.466589	1	7	0.055380	_2 312085	0.500690
1/	-0 1/1/77	3 888712	1 716035	1	1	-0 15/1920	3 800190	1 /055/5
1	0.1414//	J.000/4J	1.710755		1 Q	0.154020	1 251104	1.495545
0	-0.708833	4.008145	1.707070		0	-0.010090	4.331190	1.707332
6	-0.279231	5.528573	3.033184		0	-0.199698	4.881450	3.148097

1 -0.239655 4.683161 3.926641	1  0.157386  4.059435  3.783403
1 0.744818 5.688032 2.852738	1  0.675256  5.489840  2.877477
6 -1.204907 6.507481 3.290072	6 -1.223168 5.728488 3.887251
1 -0.860998 7.090698 4.150592	1 -0.775274 6.175243 4.780905
1 -1.237143 7.165397 2.415875	1 -1.590846 6.529125 3.238640
1 -2.222868 6.160205 3.494069	1 -2.077117 5.118159 4.197895
1 2.238602 4.214587 -0.172063	1 -1.588911 5.682599 1.007009
8 2.218361 4.608014 -1.060579	8 -2.000012 6.475146 0.603580
6 1 1 57893 5 566043 -1 092486	6 -1 133185 6 960143 -0 407527
1 1 539516 6 556623 -0 795365	1 -1.010082 - 6.221812 - 1.217730
1 0.370520 5.294329 -0.377530	1 -0.126073 -7.158172 -0.004160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 1716400 8246523 0.073454
1 0 181049 6 404489 2 573152	1  1.068738  8.657095  1.75494
1 -0.101049 -0.404409 -2.575152 1 1 296054 5 992917 2 220401	1 - 1.000750 - 0.057555 - 1.754544
1  1.500754  5.002017  -5.220471 $1  0.160142  4.674700  2.702002$	1 -2.705125 -8.001508 -1.405552 1 -1.927506 - 8.004022 - 0.192594
1 0.100142 4.074709 -2.793993	1 -1.027500 0.994925 -0.182584
$[Pd_2(\mu-Sepy)_2\{MesSeC_6H_2(Me_2)CH_2\}_2] (3b)$	
$\mathbf{E} = -11741.9356845$	
G = -11741.205678	
Nimag = 0	
6 -1.338193 -2.589754 1.499253	
6 -1.779410 -3.778609 2.116043	
1 -1.522278 -3.953898 3.154462	
6 -2.511686 -4.706760 1.393454	
1 -2.850838 -5.624421 1.866385	
6 -2.788246 -4.452552 0.045592	
1 -3.344238 -5.153268 -0.567468	
6 -2.326452 -3.264221 -0.499789	
1 -2.502548 -3.016516 -1.541463	
6 0.979955 1.467701 1.875658	
1 0.116514 1.903454 1.355933	
1 0.677714 1.305332 2.913785	
6 2.145339 2.426246 1.816343	
6 3.085384 2.397101 0.776284	
6 4.085092 3.373959 0.634168	
6 4.171879 4.357793 1.625504	
1 4.950710 5.113083 1.544868	
6 3.290449 4.395607 2.712742	
6 2.278372 3.434222 2.782753	
1 1.564963 3.466404 3.603460	
6 5.054108 3.379526 -0.522774	
1 5.767586 2.550928 -0.459017	
1 5.622130 4.313229 -0.547098	
1 4.530296 3.275175 -1.479303	
6 3.441187 5.443956 3.790182	
1 4.148196 5.117220 4.563218	
1 2.487998 5.647538 4.286818	
1 3.820509 6.386039 3.382197	
6 4.533706 0.013001 -0.549735	
6 5.228891 -0.374616 0.613418	
6 6.436236 -1.069372 0.455019	
1 6.978862 -1.369741 1.348606	
6 6.954483 -1 396564 -0 798458	
6 6 224267 -1 018177 -1 928409	
1 6.599679 -1.276819 -2.915950	
1 0.000000 1.270010 2.010000	

6	5.019374	-0.314692	-1.835545	
6	4.740317	-0.089548	2.011326	
1	4.863050	0.964967	2.277872	
1	5.298193	-0.687294	2.737289	
1	3.673178	-0.318430	2.115974	
6	4.286620	0.048777	-3.108298	
1	3.280019	-0.383121	-3.140663	
1	4 838591	-0 314973	-3 978952	
1	4 168105	1 132830	-3 211524	
6	1 354952	-2 655733	-1 336106	
6	1 817144	-3 873051	-1 876825	
1	1 569753	-4 115238	-2 904071	
6	2 557811	-4 744349	-1 094382	
1	2.007011	-5 684208	-1 508177	
1	2.913143	4 403003	0.236817	
1	2.021750	5 057735	0.230817	
1	2 3 3 0 7 1 8	-3.037733	0.894832	
0	2.339710	-3.191100	1 721094	
	2.304300	-2.077304	1.751064	
0	-1.033000	1.311433	-1.990900	
1	-0.038333	1.703109	-1.001308	
	-0.944152	1.044510	-3.049343	
6	-2.089263	2.386636	-1.830/18	
6	-3.022292	2.390674	-0./88659	
6	-3.938424	3.442843	-0.596083	
6	-3.933708	4.481688	-1.528924	
l	-4.643559	5.297177	-1.40/11/	
6	-3.040385	4.504766	-2.609911	
6	-2.124142	3.460383	-2.736580	
l	-1.411142	3.470742	-3.558173	
6	-4.903960	3.468159	0.563228	
1	-4.379608	3.340022	1.517033	
1	-5.641585	2.661629	0.494840	
1	-5.442997	4.418430	0.598370	
6	-3.079948	5.636400	-3.610074	
1	-3.987787	5.592101	-4.224042	
1	-2.221326	5.602868	-4.286223	
1	-3.078450	6.611234	-3.110124	
6	-4.622991	0.039786	0.404484	
6	-5.184037	-0.280150	1.660404	
6	-6.425587	-0.924627	1.686660	
1	-6.859722	-1.176777	2.651438	
6	-7.118445	-1.252135	0.518774	
6	-6.525069	-0.936501	-0.704820	
1	-7.038272	-1.199769	-1.627112	
6	-5.280261	-0.299780	-0.796082	
6	-4.498288	0.034804	2.972035	
1	-3.504727	-0.421129	3.040758	
1	-5.097222	-0.333134	3.809227	
1	-4.358432	1.113041	3.105431	
6	-8.475703	-1.911519	0.578531	
1	-9.277271	-1.163025	0.617832	
1	-8.576239	-2.540979	1.467833	
1	-8.657345	-2.534701	-0.302273	
6	-4.710697	-0.022808	-2.164545	
1	-4.743467	1.043148	-2.410463	
1	-5.277447	-0.562672	-2.927928	
1	-3.659537	-0.328066	-2.228004	
		•	-	

7	-1.634761 -2.343011	0.202909
7	1.639448 -2.325187	-0.056253
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34	-2.875047 0.915453	0.461088
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46	-1.262972 -0.421906	-0.888464
6	8.270974 -2.123850	-0.934567
1	8.239895 -2.859321	-1.744807
1	9.086538 -1.426339	-1.163367
1	8.537174 -2.646445	-0.011333
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34	0.364869 -1.478520	-2.458484