********** **Zr6AlNi4** **********

PARAMETERS

A= 7.9200 B= 7.9200 C= 3.3500
AF= 90.000 BT= 90.000 GM=120.000
NUVW= 8 NSY= 4 NL= 6
SY: 1-CUBIC; 2-TETRA; 3-ORTH; 4-HEX; 5-MONO; 6-TRIC
LT: 1-F; 2-I; 3-C; 4-B; 5-A; 6-P; 7-R;

K	U	V	W	H1	K1	L1	H2	K2	L2	R2/R1	R3/R1	FAI	D1	D2
1	0	0	1	0	-1	0	1	0	0	1.000	1.000	120.00	6.859	6.859
2	4	5	7	2	-3	1	3	-1	-1	1.000	1.370	93.54	2.050	2.050
3	-2	7	8	-1	2	-2	-4	0	-1	1.011	1.083	65.19	1.543	1.526
4	-5	8	1	3	2	-1	-2	-1	-2	1.012	1.325	97.63	1.424	1.407
5	-6	7	4	3	2	1	1	2	-2	1.012	1.341	83.60	1.424	1.407
6	2	3	4	-3	2	0	1	-2	1	1.014	1.082	115.01	2.592	2.558
7	2	3	5	-3	2	0	-1	-1	1	1.014	1.264	77.80	2.592	2.558
8	7	8	4	-4	3	1	0	-1	2	1.017	1.084	65.01	1.654	1.627
9	-2	7	1	-3	-1	1	1	0	2	1.017	1.211	73.77	1.654	1.627
10	-4	6	1	-3	-2	0	-1	-1	2	1.020	1.118	67.23	1.574	1.543
11	-4	6	7	3	2	0	-2	1	-2	1.020	1.252	103.43	1.574	1.543
12	5	8	4	-4	2	1	4	-3	1	1.030	1.048	117.90	1.705	1.654
13	-2	8	3	-1	-1	2	4	1	0	1.031	1.142	111.60	1.543	1.497
14	-4	6	3	0	1	-2	-3	-2	0	1.034	1.294	100.98	1.627	1.574
15	-4	6	5	1	-1	2	3	2	0	1.034	1.419	88.44	1.627	1.574
16	-4	5	2	-2	-2	1	1	0	2	1.048	1.197	71.49	1.705	1.627
17	-2	8	7	4	1	0	-3	1	-2	1.064	1.064	118.03	1.497	1.407
18	-1	8	4	0	1	-2	-4	0	-1	1.066	1.191	70.30	1.627	1.526
19	3	4	2	-2	1	1	2	-2	1	1.067	1.344	81.07	2.558	2.396
20	-1	8	5	3	1	-1	-2	1	-2	1.072	1.303	77.84	1.654	1.543
21	-3	7	2	3	1	1	1	1	-2	1.072	1.368	97.43	1.654	1.543
22	-4	5	7	-3	-1	-1	1	-2	2	1.072	1.161	111.93	1.654	1.543
23	2	3	6	-3	2	0	0	-2	1	1.082	1.373	97.59	2.592	2.396
24	-5	7	1	-1	-1	2	3	2	1	1.083	1.444	87.63	1.543	1.424
25	-5	6	8	-2	1	-2	-2	-3	1	1.083	1.276	104.56	1.543	1.424
26	-3	8	7	2	-1	2	3	2	-1	1.083	1.334	100.45	1.543	1.424
27	5	6	3	-3	2	1	3	-3	1	1.086	1.260	105.80	2.050	1.888
28	-2	8	5	1	-1	2	4	1	0	1.087	1.419	85.55	1.627	1.497
29	-2	8	1	-1	0	-2	-4	-1	0	1.087	1.294	76.53	1.627	1.497
30	5	7	6	-3	3	-1	-4	2	1	1.108	1.224	70.79	1.888	1.705
31	-6	8	5	-1	-2	2	3	1	2	1.119	1.248	71.89	1.407	1.257
32	6	7	3	3	-3	1	4	-3	-1	1.142	1.161	65.24	1.888	1.654
33	-5	6	3	0	-1	2	3	2	1	1.142	1.325	76.08	1.627	1.424
34	-3	7	5	-1	1	-2	-3	-2	1	1.142	1.191	112.85	1.627	1.424
35	-4	7	2	-1	0	-2	-3	-2	1	1.142	1.346	102.47	1.627	1.424
36	-7	8	3	2	1	2	3	3	-1	1.146	1.372	79.17	1.407	1.228
37	2	3	1	1	-1	1	3	-2	0	1.161	1.177	65.50	3.010	2.592
38	2	3	2	-1	0	1	3	-2	0	1.161	1.256	109.38	3.010	2.592
39	2	3	3	0	-1	1	3	-2	0	1.161	1.468	85.24	3.010	2.592
40	3	4	6	-2	0	1	2	-3	1	1.169	1.260	70.53	2.396	2.050
41	4	5	2	2	-2	1	3	-2	-1	1.169	1.473	85.16	2.396	2.050
42	3	5	4	-2	2	-1	-3	1	1	1.169	1.523	91.15	2.396	2.050
43	6	8	1	-4	3	0	1	-1	2	1.169	1.352	103.31	1.902	1.627
44	6	8	3	4	-3	0	1	0	-2	1.169	1.408	80.53	1.902	1.627
45	-3	8	1	-3	-1	-1	-2	-1	2	1.176	1.501	86.84	1.654	1.407
46	-4	7	5	3	1	1	1	2	-2	1.176	1.539	89.67	1.654	1.407
47	1	2	0	-2	1	0	0	0	1	1.182	1.548	90.00	3.960	3.350
48	-3	8	4	0	-1	2	4	1	1	1.191	1.346	75.26	1.627	1.367
49	5	6	8	-2	3	-1	-4	2	1	1.203	1.457	82.28	2.050	1.705

50	4	7	2	3	-2	1	4	-2	-1	1.203	1.260	69.07	2.050	1.705
51	-3	7	8	-2	-2	1	3	-1	2	1.212	1.474	83.02	1.705	1.407
52	-5	6	2	-2	-2	1	2	1	2	1.212	1.547	91.80	1.705	1.407
53	7	8	3	-3	3	-1	-2	1	2	1.224	1.382	103.92	1.888	1.543
54	6	8	7	-4	3	0	-1	-1	2	1.233	1.513	84.63	1.902	1.543
55	6	8	5	-4	3	0	1	-2	2	1.233	1.352	106.30	1.902	1.543
56	4	7	5	-3	1	1	4	-3	1	1.239	1.329	108.09	2.050	1.654
57	5	7	1	-3	2	1	4	-3	1	1.239	1.260	112.50	2.050	1.654
58	-7	8	5	-3	-2	-1	-2	-3	2	1.242	1.292	69.44	1.424	1.147
59	3	5	1	2	-1	-1	-3	2	-1	1.247	1.572	91.97	2.558	2.050
60	3	4	5	1	-2	1	3	-1	-1	1.247	1.344	107.46	2.558	2.050
61	3	4	8	0	-2	1	4	-3	0	1.260	1.449	78.83	2.396	1.902
62	-4	7	6	2	2	-1	-3	0	-2	1.262	1.586	91.73	1.705	1.351
63	2	3	7	-3	2	0	-2	-1	1	1.264	1.264	66.71	2.592	2.050
64	2	3	8	-3	2	0	-1	-2	1	1.264	1.521	83.51	2.592	2.050
65	3	5	6	2	0	-1	-3	3	-1	1.269	1.523	83.42	2.396	1.888
66	2	3	0	0	0	-1	-3	2	0	1.292	1.634	90.00	3.350	2.592
67	1	2	1	2	-1	0	1	0	-1	1.316	1.316	67.66	3.960	3.010
68	1	2	2	-2	1	0	0	-1	1	1.316	1.652	90.00	3.960	3.010
69	-5	7	8	-3	-1	-1	-1	-3	2	1.316	1.558	83.36	1.654	1.257
70	-5	7	6	1	-1	2	3	3	-1	1.325	1.346	110.86	1.627	1.228
71	-6	7	3	-1	0	-2	-3	-3	1	1.325	1.523	99.50	1.627	1.228
72	6	7	4	-3	2	1	1	-2	2	1.329	1.343	68.78	2.050	1.543
73	5	8	1	3	-2	1	2	-1	-2	1.329	1.440	105.14	2.050	1.543
74	-2	7	6	3	0	1	1	2	-2	1.342	1.562	97.74	1.888	1.407
75	-1	8	3	-3	0	-1	-2	-1	2	1.342	1.633	92.86	1.888	1.407
76	5	7	8	-3	1	1	4	-4	1	1.343	1.457	104.67	2.050	1.526
77	3	4	7	-1	-1	1	4	-3	0	1.344	1.546	98.92	2.558	1.902
78	-6	8	1	-1	-1	2	3	2	2	1.345	1.368	69.60	1.543	1.147
79	-5	8	4	0	1	-2	-4	-2	-1	1.346	1.523	79.44	1.627	1.209
80	4	5	3	-2	1	1	3	-3	1	1.354	1.658	91.81	2.558	1.888
81	-5	7	4	-2	-2	1	3	1	2	1.356	1.547	99.48	1.705	1.257
82	-5	8	7	3	1	1	2	3	-2	1.442	1.539	75.72	1.654	1.147
83	-6	8	7	1	-1	2	4	3	0	1.443	1.740	88.88	1.627	1.128
84	-6	8	3	-1	0	-2	-4	-3	0	1.443	1.569	77.61	1.627	1.128
85	5	6	2	-2	2	-1	-4	3	1	1.449	1.553	76.31	2.396	1.654
86	4	5	8	-2	0	1	3	-4	1	1.449	1.601	79.36	2.396	1.654
87	5	8	7	3	-1	-1	-2	3	-2	1.457	1.500	72.58	2.050	1.407
88	7	8	5	3	-2	-1	-2	3	-2	1.457	1.615	79.82	2.050	1.407
89	-4	5	3	2	1	1	1	2	-2	1.457	1.669	96.63	2.050	1.407
90	3	4	1	1	-1	1	3	-2	-1	1.468	1.582	102.82	3.010	2.050
91	-6	7	2	-2	-2	1	3	2	2	1.486	1.547	105.96	1.705	1.147
92	4	5	6	1	-2	1	4	-2	-1	1.500	1.709	96.34	2.558	1.705
93	-4	5	6	-1	-2	1	3	0	2	1.517	1.696	81.93	2.050	1.351
94	-2	7	3	2	1	-1	-3	0	-2	1.517	1.773	87.02	2.050	1.351
95	-7	8	4	0	-1	2	4	3	1	1.523	1.714	82.81	1.627	1.069
96	-5	8	6	-2	-2	1	4	1	2	1.527	1.586	105.52	1.705	1.116
97	3	5	7	-1	2	-1	-4	1	1	1.546	1.625	104.01	2.558	1.654
98	1	2	3	2	-1	0	1	1	-1	1.548	1.548	71.16	3.960	2.558
99	3	4	3	-1	0	1	4	-3	0	1.582	1.594	107.72	3.010	1.902
100	3	4	4	0	-1	1	4	-3	0	1.582	1.766	83.01	3.010	1.902
101	4	6	1	-3	2	0	1	-1	2	1.593	1.680	102.95	2.592	1.627
102	4	6	3	-3	2	0	0	-1	2	1.593	1.843	92.57	2.592	1.627
103	3	5	8	-1	-1	1	5	-3	0	1.625	1.676	104.87	2.558	1.574
104	-3	7	1	-2	-1	1	3	1	2	1.631	1.860	93.51	2.050	1.257
105	-1	8	6	-2	-1	1	4	-1	2	1.631	1.895	88.79	2.050	1.257
106	1	2	4	-2	1	0	0	-2	1	1.652	1.931	90.00	3.960	2.396
107	-7	8	2	-2	-2	1	2	1	3	1.662	1.822	82.36	1.705	1.026
108	5	6	4	-2	1	1	4	-4	1	1.676	1.818	98.63	2.558	1.526
109	4	6	5	-3	2	0	-1	-1	2	1.680	1.843	82.67	2.592	1.543
110	4	7	6	-2	2	-1	-5	2	1	1.683	1.774	78.25	2.396	1.424

111	5	7	4	2	-2	1	5	-3	-1	1.683	1.703	73.96	2.396	1.424
112	6	7	2	2	-2	1	3	-2	-2	1.703	1.754	104.04	2.396	1.407
113	4	7	8	2	0	-1	-5	4	-1	1.754	1.906	97.23	2.396	1.367
114	3	4	0	0	0	-1	-4	3	0	1.761	2.025	90.00	3.350	1.902
115	3	5	2	-1	1	-1	-4	2	1	1.766	1.913	97.47	3.010	1.705
116	-5	6	4	-2	-1	-1	-2	-3	2	1.788	1.931	82.49	2.050	1.147
117	-4	7	1	-2	-1	-1	-3	-2	2	1.788	1.908	81.04	2.050	1.147
118	4	7	1	2	-1	-1	-5	3	-1	1.796	1.818	104.84	2.558	1.424
119	5	6	7	1	-2	1	5	-3	-1	1.796	2.034	88.63	2.558	1.424
120	3	5	3	-1	0	1	4	-3	1	1.820	1.913	79.68	3.010	1.654
121	4	5	1	1	-1	1	4	-3	-1	1.820	2.011	94.20	3.010	1.654
122	-3	8	2	2	1	-1	-4	-1	-2	1.837	1.931	100.13	2.050	1.116
123	-5	6	7	-1	-2	1	4	1	2	1.837	1.999	95.91	2.050	1.116
124	4	6	7	3	-2	0	2	1	-2	1.843	1.843	74.26	2.592	1.407
125	5	7	3	-2	1	1	5	-4	1	1.872	1.893	104.23	2.558	1.367
126	5	8	6	-2	2	-1	-4	1	2	1.906	1.951	102.52	2.396	1.257
127	7	8	2	-2	2	-1	-4	3	2	1.906	2.073	95.08	2.396	1.257
128	3	5	5	0	-1	1	5	-3	0	1.913	2.113	87.11	3.010	1.574
129	1	2	5	2	-1	0	1	2	-1	1.931	1.931	75.00	3.960	2.050
130	4	5	4	-1	0	1	4	-4	1	1.972	2.011	77.64	3.010	1.526
131	-5	7	3	2	1	1	3	3	-2	1.978	1.999	76.64	2.050	1.037
132	4	5	5	0	-1	1	5	-4	0	2.011	2.113	81.74	3.010	1.497
133	6	7	5	-2	1	1	5	-5	1	2.015	2.034	103.20	2.558	1.269
134	5	8	2	-2	1	1	4	-3	2	2.034	2.116	80.62	2.558	1.257
135	1	1	0	-1	1	0	0	0	1	2.047	2.279	90.00	6.859	3.350
136	-2	7	4	-2	0	-1	-3	-2	2	2.090	2.296	91.29	2.396	1.147
137	1	2	6	-2	1	0	0	-3	1	2.097	2.323	90.00	3.960	1.888
138	6	7	8	1	-2	1	6	-4	-1	2.116	2.230	83.18	2.558	1.209
139	3	5	0	0	0	-1	-5	3	0	2.129	2.352	90.00	3.350	1.574
140	-4	5	8	2	0	1	1	4	-2	2.147	2.242	97.79	2.396	1.116
141	-1	8	2	-2	0	-1	-4	-1	2	2.147	2.337	87.99	2.396	1.116
142	5	6	1	1	-1	1	5	-4	-1	2.203	2.394	88.46	3.010	1.367
143	-4	5	1	-1	-1	1	3	2	2	2.230	2.393	86.84	2.558	1.147
144	4	5	0	0	0	-1	-5	4	0	2.238	2.451	90.00	3.350	1.497
145	1	1	1	-1	1	0	0	-1	1	2.279	2.279	102.68	6.859	3.010
146	7	8	6	-2	1	1	4	-5	2	2.292	2.364	81.68	2.558	1.116
147	-3	7	6	2	0	1	3	3	-2	2.311	2.488	88.14	2.396	1.037
148	-3	6	1	-2	-1	0	1	0	3	2.352	2.412	98.73	2.592	1.102
149	-3	6	2	-2	-1	0	0	-1	3	2.352	2.442	83.02	2.592	1.102
150	5	6	5	-1	0	1	5	-5	1	2.371	2.444	82.10	3.010	1.269
151	1	2	7	2	-1	0	1	3	-1	2.394	2.394	77.94	3.960	1.654
152	-2	7	5	-1	-1	1	5	0	2	2.410	2.562	87.08	2.558	1.061
153	-3	6	4	-2	-1	0	2	-1	3	2.412	2.442	100.23	2.592	1.075
154	-3	6	5	2	1	0	-1	2	-3	2.412	2.528	84.90	2.592	1.075
155	2	4	1	2	-1	0	-1	1	-2	2.434	2.434	101.86	3.960	1.627
156	5	6	6	0	-1	1	6	-5	0	2.444	2.490	80.93	3.010	1.232
157	4	7	3	-1	1	-1	-6	3	1	2.451	2.625	88.61	3.010	1.228
158	5	7	2	-1	1	-1	-6	4	1	2.490	2.625	86.42	3.010	1.209
159	4	7	4	-1	0	1	6	-4	1	2.490	2.670	89.15	3.010	1.209
160	-3	6	7	-2	-1	0	3	-2	3	2.528	2.528	101.41	2.592	1.026
161	-3	6	8	2	1	0	-2	3	-3	2.528	2.665	86.76	2.592	1.026
162	2	4	3	-2	1	0	1	-2	2	2.567	2.567	101.23	3.960	1.543
163	1	2	8	-2	1	0	0	-4	1	2.594	2.780	90.00	3.960	1.526
164	6	7	1	1	-1	1	6	-5	-1	2.603	2.697	84.45	3.010	1.156
165	5	7	5	-1	0	1	6	-5	1	2.603	2.741	87.07	3.010	1.156
166	4	7	7	0	-1	1	7	-4	0	2.670	2.817	87.93	3.010	1.128
167	1	1	2	-1	1	0	-1	-1	1	2.682	2.862	90.00	6.859	2.558
168	5	6	0	0	0	-1	-6	5	0	2.719	2.897	90.00	3.350	1.232
169	5	7	7	0	-1	1	7	-5	0	2.741	2.817	83.95	3.010	1.098
170	6	7	6	-1	0	1	6	-6	1	2.782	2.878	85.27	3.010	1.082
171	2	4	5	2	-1	0	1	2	-2	2.815	2.815	79.77	3.960	1.407

172	5	8	3	-1	1	-1	-7	4	1	2.817	2.903	84.87	3.010	1.069
173	6	7	7	0	-1	1	7	-6	0	2.878	2.884	80.37	3.010	1.046
174	5	8	5	-1	0	1	7	-5	1	2.884	3.033	91.18	3.010	1.044
175	4	7	0	0	0	-1	-7	4	0	2.971	3.135	90.00	3.350	1.128
176	5	7	0	0	0	-1	-7	5	0	3.050	3.210	90.00	3.350	1.098
177	2	4	7	-2	1	0	-1	-3	2	3.150	3.150	80.87	3.960	1.257
178	6	7	0	0	0	-1	-7	6	0	3.203	3.355	90.00	3.350	1.046
179	1	1	3	-1	1	0	-2	-1	1	3.345	3.345	81.40	6.859	2.050
180	3	6	1	2	-1	0	-1	1	-3	3.593	3.593	98.00	3.960	1.102
181	3	6	2	-2	1	0	0	-1	3	3.593	3.730	90.00	3.960	1.102
182	3	6	4	-2	1	0	0	-2	3	3.730	3.861	90.00	3.960	1.062
183	3	6	5	-2	1	0	1	-3	3	3.861	3.861	97.44	3.960	1.026
184	1	1	4	-1	1	0	-2	-2	1	4.024	4.146	90.00	6.859	1.705
185	2	2	1	-1	1	0	0	-1	2	4.215	4.215	96.81	6.859	1.627
186	1	1	5	-1	1	0	-2	-3	1	4.816	4.816	95.96	6.859	1.424
187	2	2	3	1	-1	0	1	2	-2	4.875	4.875	95.89	6.859	1.407
188	1	1	6	-1	1	0	-3	-3	1	5.585	5.674	90.00	6.859	1.228
189	2	2	5	1	-1	0	3	2	-2	5.981	5.981	85.20	6.859	1.147
190	3	3	1	-1	1	0	0	-1	3	6.223	6.223	94.61	6.859	1.102
191	3	3	2	-1	1	0	-1	-1	3	6.382	6.460	90.00	6.859	1.075
192	1	1	7	-1	1	0	-3	-4	1	6.418	6.418	94.47	6.859	1.069