# Sequence name: Nup	159					
# % Position 1	Residue M	Register (Dimer,Trimer) a(a,a)	Probability 0.0	Dimer Prob	Trimer Prob	Probability by Heptad (a,b,c,d,e,f,g) a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
2 3	S S	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
4 5 6	L K D	d(d,d) e(e,e) f(f,f)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
7 8	E V	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
9	P T	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
11 12 13	E T S	d(d,d) e(e,e) f(f,f)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
14 15	E D	g(g,g) c(a,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
16 17	F G	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
18 19 20	F K F	f(b,f) c(c,c) d(d,d)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
21 22	L G	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
23 24 25	Č K Č	g(g,g) a(a,a) b(b,b)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
26 27	I L	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
28 29	P S	b(e,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
30 31 32	F N E	d(d,d) e(e,e) f(f,f)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
33 34	K L	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
35 36 37	P F	b(b,b) c(c,c)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
37 38 39	A S L	f(f,f) g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
40	Q N	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
42 43 44	L D I	d(d,d) e(e,e) f(f,f)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
45 46	S N	f(g,f) g(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
47 48	S K	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
49 50 51	S L F	c(c,c) d(d,d) e(e,e)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
52 53	V A	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
54 55	A S	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
56 57 58	G S K	c(c,c) d(d,d) e(e,e)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
59 60	A V	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
61 62 63	V G E	a(a,a) b(b,b)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
64 65	L Q	c(c,c) d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
66 67	L L	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
68 69 70	R D H	a(a,a) b(b,b) c(c,c)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
71	I	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
73 74	S D	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
76 77	T P	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
78 79	L T	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
80 81	F K	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
83 84	E K	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
85 86	E I	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
88 89	D V	c(g,c) d(a,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
90 91	I F	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
92 93	V C	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
95 96	H G	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
97 98	D Q	g(g,g) f(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
100 101	L V	g(c,g) c(c,c) d(d.d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
102 103	S T	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
104 105	R N A	g(g,g) a(a,a) b/b b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
107 108	L Y	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
109 110	S L	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
111 112 113	D L R	g(g,g) a(a,a) b(b.b)	0.0	0.0 0.0 0.0	0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
114 115	E L	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
116 117	S E	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
119	R	e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) b(f, b) c(g, c) d(a, d) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) f(b, f) g(c, g) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, e) a(a, f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0

120	т	a(b a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
121	V	g(b,g) a(c,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
122 123	T S	b(d,b) c(e,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
124	F	d(f,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
125 126	E K	e(g,e) f(a,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
127	P	g(b,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
128 129	V F	a(c,a) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
130	Q	g(e,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
131 132	L K	a(d,a) b(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
133	N	c(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
134 135	V N	d(g,d) e(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
136	N	d(b,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
137 138	T L	e(c,e) f(d,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
139	V	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
140 141	I L	a(a,a) b(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
142	N	c(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
143 144	s v	d(g,d) e(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
145	N	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
146 147	D L	g(g,g) a(b,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
148		b(c,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
149 150	S A L D L	d(d,c) e(e,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
151	D	f(f,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
152 153	R	g(g,f) a(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
154	T	b(b,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
155 156	K S	c(c,b) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
157	T	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
158 159	K Q	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
160	L	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
161 162	A Q	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
163	N	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
164 165	V T	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
166	S	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
167 168	F D	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
169 170	V T	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
171	N N	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
172	s	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
173 174	Q L	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
175 176	A V	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
176	L L	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
178 179	L K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
180	D	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
181 182	R S	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
183	F	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
184 185	Q S	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
186	F	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
187 188	A W	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
189	R	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
190 191	N G	c(c,a) d(d,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
192	E	e(e,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
193 194	M E	f(f,d) g(g,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
195	K	a(a,f)				
196 197	Q F	b(b,g) c(c,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
198	E	d(d,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
199 200	F S	e(e,c) f(f,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
201	L	g(g,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
202	S	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
204	E T.	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
206	E	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
207 208	E T.	f(f,f) g(a.d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
209	P	e(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
210 211	V E	e(b,e) f(c.f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
212	E	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
213 214	Y S	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
215	P	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
216	S	a(a,a) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
218	V	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
219	T I	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
221	L	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
222	B P	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
224	Ō	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
226	F	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
227	L	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
229	V	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
230	F G	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
232	N	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
233	V T	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
235	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
236	E Tr	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
238	D	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
239 240	D R	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
241	FE FS L P S E L E E L P V E E Y S P L S V T I L S P Q D F L A V F G N V I S E T D D E V S	a(a,a)	0.0	0.0	0.0	ai0.0 bi0.0 ci0.0 di0.0 ei0.0 fi0.0 gi0.0 ai0.0 bi0.0 ci0.0 di0.0 ei0.0
242	S	b(b,b)	0.0	0.0	0.0	a:v.U b:U.U c:U.O d:0.0 e:0.0 f:0.0 g:0.0

243	Y	2/2 2)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
244	D	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
245 246	Q K	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
247 248	M Y	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
249	I	b(d,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
250 251	I K	a(e,a) b(f,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
252 253	H	c(g,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
254	D	d(a,d) e(b,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
255 256	G S	g(c,g) a(e,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
257	A	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
258 259	S F	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
260 261	Q E	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
262	T	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
263 264	F D	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
265 266	I T	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
267	P	d(d,d) e(c,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
268 269	P F	d(d,d) e(c,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
270 271	G Q	f(d,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
272	I	g(e,g) a(f,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
273 274	V R	b(g,b) c(a,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
275	F	d(b,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
276 277	P Y	e(c,e) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
278 279	M Y	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
280	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
281 282	V T	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
283 284	L S	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
285	G	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
286 287	L I	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
288	E	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
289 290	P D	d(c,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
291 292	A N	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
293	V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
294 295	N V	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
296 297	L A	d(d,d) e(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
298	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
299 300	s C	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
301	S	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
302 303	S E	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
304 305	v s	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
306	I	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
307 308	W D	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
309 310	S K	f(f,f) q(q,q)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
311	Q	f(a,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
312 313	V I	g(c,g) a(d,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
314 315	E P	b(e,b) c(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
316	S	d(g,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
317 318	Q D	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
319 320	S E	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
321	R	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
322	A V	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
324	L D	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
326	ī	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
327 328	S E	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
329	E T	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
331	D **	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
332 333	K D	c(c,c) d(b,d)	0.0	0.0	0.0	a:v.v p:v.v c:v.v d:v.v e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
334 335	T N	e(c,e) f(d.f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
336	P T	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
337 338	I G	a(d,d) e(e,e)	0.0	0.0	0.0	a:v.v b:v.v c:v.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
339 340	V a	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
341	V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
342 343	D V	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
344	V	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
346	S	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
347 348	G T	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 a:0.0
349	I	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
351	E	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
352 353	P C	c(c,c) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
354	s	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
355 356	G V	g(g,g) e(a,e)	0.0	0.0	0.0	a:v.v p:v.v c:v.v d:v.v e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
357 358	D Tr	f(d,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
359	Ī	a(f,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
360 361	E R	b(g,b) c(a,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
362 363	L	d(b,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
364	L	f(d,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
365	E RAVLPISE E T D K D T N P I G V A V D V V T S G T I L E P C S G V D T I E R L P L V	g(e,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0

366		-16 -1	0.0			
367	Y I	a(f,a) b(g,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
368	L	c(e,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
369 370	N N	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
371	E	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
372 373	G S	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
374	L	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
375 376	Q I	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
377	V	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
378 379	G	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
380	L F	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
381	H	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
382 383	V A	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
384	A	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
385 386	I K	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
387	S	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
388 389	G H	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
390	Y	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
391 392	S I	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
393	N	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
394 395	L E	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
396	S	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
397 398	L E	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
399	H	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
400 401	E K	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
402	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
403	L	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
404 405	S P	d(d,d) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
406	T	e(e,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
407 408	S E	f(f,e) g(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
409	K	a(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
410 411	I P	b(b,a) c(c,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
412	I	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
413 414	A G	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
415	Q	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
416 417	E Q	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
418	E	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
419 420	E K	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
421	K	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
422 423	K N	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
424	N	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
425 426	E S	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
427	S	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
428 429	K A	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
430	L	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
431 432	S E	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
433	N	d(d,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
434 435	P F	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
436	T	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
437 438	S A	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
439	N	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
440 441	T S	a(a,e) f(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
442	G	g(c,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
443 444	F T	a(d,a) b(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
445	F	c(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
446 447	L K	d(g,d) b(a,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
448	T	c(b,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
449 450	Q P	d(g,d) e(e.e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
451	A	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
452 453	A A	g(g,g) a(a,a)	0.0 0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 a:0.0
454	N C	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
456	s L	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
457	Q	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
459	Q	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
460	S	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
462	S	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
463	T	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
465	r G	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
466	A	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
468	S	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
469	F	a(c,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
471	S	۵(۵,۵)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
472	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
474	F	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
475	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
477	D D	g(g'd) T(T'I)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
478	L	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
479	S	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
481	V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
482	s s	D(D,D) C(C,C)	0.0 0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
484	T	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
485 486	S T	e(e,e) f(f,f)	0.0 0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
487	G	g(f,g)	0.0	0.0	0.0	aio.0 bio.0 cio.0 dio.0 eio.0 fio.0 gio.0 aio.0 bio.0 cio.0 dio.0 eio.0
400	TFLKTQPAAANSLQSQSSSTFGAPSFGSSAFKIDLPSVSSTSTGV	a(a,ā)	0.0	0.0	0.0	a.v.v p:v.v c:v.v q:v.v e:v.v I:v.v g:0.0

	_					
489 490	A S	b(b,b) c(b,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
491 492	S E	d(c,d) e(d,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
493	Q	f(e,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
494 495	D A	g(f,g) a(g,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
496	T	b(a,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
497 498	D P	c(b,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
499	A	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
500	S	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
501 502	A K	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
503 504	P V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
505	F	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
506 507	G K	d(f,d) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
508	P	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
509 510	A F	d(b,d) c(c,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
511	G	d(d,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
512 513	A I	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
514	A	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
515 516	K E	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
517	P	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
518 519	S	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
520	S T S E	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
521 522	E Y	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
523	A	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
524 525	F G	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
526	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
527 528	P S	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
529	F	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
530 531	G A	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
532	P	f(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
533 534	S F	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
535	G	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
536 537	S G	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
538	K	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
539 540	s s	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
541	V	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
542 543	E S	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
544	P	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
545 546	A S	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
547	G	c(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
548 549	S A	d(g,d) a(a,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
550	F	e(b,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
551 552	G K	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
553	P	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
554 555	S F	g(b,g) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
556	G	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
557 558	T P	e(e,e) f(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
559	S	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
560 561	F G	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
562	S	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
563 564	G N	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
565 566	s s	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
567	v	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
568	E	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
570	P	g(d,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
571 572	A	a(e,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
573	G	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
574 575	S A	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
576	F	c(e,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
577 578	G K	f(f,f) q(q,q)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
579	P	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
581	5 F	g(p,g) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
582	G	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
584	T P	e(a,e) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
585	S	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
587	r G	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
588	s	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
590	N	9(9,9) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
591 592	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
593	A	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
594 595	E P	e(e,e) f(f.f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
596	P	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
597 598	A S	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
599	G	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
600	S	c(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
602	F	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
603	G v	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
605	P P	g(c,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
606	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
608	r G	d(f,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
609 610	T	c(c,c) d(d,d) e(e,e) f(f,f) g(d,g) a(e,a) f(f,f) g(g,g) a(a,a) b(b,b) c(e,c) f(f,f) g(g,g) f(f,f) g(b,g) c(c,c) d(d,d) e(a,e) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b) c(c,c) c(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b) c(c,c) c(d,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b) c(c,c) c(d,c) d(d,d) e(e,e) f(f,f) g(b,g) a(c,c) c(d,c) d(d,d) e(e,e) f(f,f) g(b,f) g(c,c) d(f,d) e(a,e) f(f,f) g(c,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 fi0.0 gi0.0 a:0.0 bi0.0 c:0.0 d:0.0 e:0.0
611	A	g(c,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0

612	F	n/d n)	0.0	0.0	0.0	
613	G	a(d,a) b(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
614 615	T A	g(a,g) a(b,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
616	S	b(c,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
617 618	S N	c(d,c) d(e,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
619	E	e(f,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
620 621	T N	f(g,f) g(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
622	S	a(b,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
623 624	G S	b(c,b) c(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
625	I	d(e,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
626 627	F G	e(f,e) f(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
628	K	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
629 630	A A	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
631	F	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
632 633	G S	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
634	S	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
635 636	S F	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
637	A	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
638 639	P A	c(c,c) d(g,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
640	N	e(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
641 642	N E	f(b,f) g(c,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
643	L	a(d,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
644 645	F G	b(e,b) f(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
646	S	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
647 648	N F	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
649	T	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
650 651	I S	d(d,a) b(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
652	K	f(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
653 654	P T	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
655	V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
656 657	D S	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
658	P	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
659 660	K E	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
661	V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
662 663	D S	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
664	T	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
665 666	S P	e(e,e) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
667	F	d(b,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
668 669	P S	e(c,e) b(c,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
670	S	c(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
671 672	G D	d(e,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
673	Q	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
674 675	S E	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
676	D	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
677 678	E S	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
679	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
680 681	S D	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
682	V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
683 684	D S	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
685	S	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
686 687	S T	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
688 689	P F	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
690	G	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
691	T	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
693	P	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
694	N Tr	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
696	S	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
697 698	T K	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
699	P	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
700 701	K T	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
702	N	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
703 704	A F	c(c,c) d(d,d)	0.0 0.0	0.0	0.0	a:v.v p:v.v c:v.v d:v.v e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
705	D	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
706 707	F G	c(c,c) d(d,d)	0.0 0.0	0.0	0.0	a:v.v p:v.v c:v.v d:v.v e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
708	s	a(e,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
709 710	s s	D(D,D) C(C,C)	0.0 0.0	0.0	0.0	a:v.v p:v.v c:v.v d:v.v e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
711	F	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
713	S	e(e,e) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
714	G	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
716	r S	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
717 718	K a	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
719	L L	y(y,y) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
720	E	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
722	v V	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
723	G	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
725	D D	r(I,I) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
726	T	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
728	T F	υ(D,D) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
729	K	g(c,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
731	r G	u(a,a) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
732 733	T	(G,G) e(e,e) f(f,f) g(g,g) a(a,a) a(a,a) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b) c(c,c) d(d,d) b(b,b) c(c,c) d(d,d) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b) f(f,f) g(g,g) a(a,a) b(b,g) f(f,f) g(g,g) a(a,a) b(b,g) f(f,f) g(g,g) a(a,a) b(g,g) a(a,a) b(g,g) a(a,a)	0.0	0.0	0.0	ain.0 bin.0 cron.0 din.0 ein.0 fin.0 gin.0 ain.0 bin.0 cron.0 din.0
734	A A	9(9,9) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
						-

	_					
735 736	S P	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
737	F	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
738 739	s s	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
740 741	Q L	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
742	G	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
743 744	N K	c(c,c) d(a,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
745	S	e(b,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
746	P	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
747 748	F S	a(d,a) b(a,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
749 750	S F	c(b,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
751	T	d(c,d) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
752 753	K D	e(e,e) f(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
754	D	g(g,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
755 756	T E	e(f,e) f(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
757	N	g(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
758 759	G S	a(b,a) b(c,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
760	L	c(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
761 762	S K	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
763	G	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
764 765	S T	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
766	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
767 768	E I	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
769	N	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
770 771	D D	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
772	N	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
773 774	E E	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
775	H	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
776 777	E S	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
778	N	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
779 780	G P	a(a,a) f(c,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
781	N	g(d,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
782 783	V S	a(e,a) b(f,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
784	G	g(g,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
785 786	N D	a(a,b) b(b,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
787	L	c(c,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
788 789	T D	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
790	S	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
791 792	T V	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
793	E	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
794 795	Q T	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
796	S	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
797 798	S T	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
799	R	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
800 801	L P	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
802	E	f(d,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
803 804	T P	g(e,g) a(f,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
805	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
806 807	D E	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
808	D	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
809 810	G E	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
811	V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
812 813	V E	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
814	E	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
816	A	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
817	Q	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
819	S	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
820 821	P T	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
822	Ğ	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
823 824	K I.	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
825	T	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
826 827	E T	e(b,e) f(f,f)	0.0	0.0	0.0	a:v.v b:v.v c:v.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
828	Ī	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
829 830	K K	a(a,a) b(b,b)	0.0	0.0	0.0	a:v.v b:v.v c:v.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
831	S	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
832 833	A N	a(a,d) e(e,e)	0.0	0.0	0.0	a:u.u b:u.u c:u.u d:u.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
834	I	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
836	D M	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
837	A	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
839	L	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
840	K M	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
842	P P	g(c,g) ⊤(⊤,⊤)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
843	V	a(d,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
845	r' G	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
846	N	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
848	v V	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
849	K	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
851	A K	u(a,a) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
852	S	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
854	E S	y(g,g) c(a,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
855 856	P w	b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) e(b,e) f(f,f) g(g,g) a(a,a) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(c,g) a(d,a) e(e,e) f(f,f) g(c,g) a(d,a) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(d,a) b(b,b) c(c,c) d(d,d) e(e,e) f(f,f) g(g,g) a(a,a) b(b,b)	0.0	0.0	0.0	ai0.0 bi0.0 ci0.0 di0.0 ei0.0 fi0.0 gi0.0 ai0.0 bi0.0 ci0.0 di0.0 ei0.0
857	r S	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0

858	A	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
859 860	F A	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
861	T	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
862	N	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
863	I	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
864	T	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
865 866	K P	c(c,c) d(c,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
867	S	e(d,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
868	S	f(e,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
869	T	d(f,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
870	T	e(g,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
871 872	P A	f(b,f) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
873	F	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
874	s	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
875	F	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
876	G	a(a'a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
877 878	N C	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
878 879	S T	b(e,b) c(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
880	M	g(g,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
881	N	a(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
882	K	b(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
883	S	c(c,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
884 885	N T	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
886	Š	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
887	T	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
888	V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
889	S	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
890 891	P M	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
892	E	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
893	E	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
894	A	g(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
895	D	a(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
896 897	T K	b(b,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
898	E	c(c,b) d(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
899	T	e(e,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
900	S	f(f,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
901	E	g(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
902 903	K G	a(a,g) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
904	P	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
905	Ī	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
906	T	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
907	L	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
908 909	K S	g(g,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
910	V	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
911	E	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
912	N	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
913	P	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
914 915	F L	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
916	P	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
917	A	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
918	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
919	E	f(f,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
920	E	g(g,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
921 922	R T	a(a,f) b(b,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
923	Ğ	c(c,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
924	E	d(d,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
925	S	e(e,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
926	S	f(f,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
927 928	K K	g(g,e) a(a,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
929	D	b(b,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
930	H	c(c,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
931	N	d(d,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
932 933	D D	e(e,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
934	P	f(f,g) g(g,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
935	K	a(a,a)	0.0	0.0	0.0	
936	D	b(b,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
937	G	c(c,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
938 939	Y V	d(d,g) e(e,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
940	S	f(f,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
941	G	g(g,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
942	S	e(e,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
943 944	E	f(f,b) g(g,c) e(e,d) f(f,e) g(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
945	s	a(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
946	V	b(b,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
947	R —	c(c,b) d(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
948 949	V R T S E S A	d(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
949 950	E E	e(e,d) f(f,e) g(g,f) a(a,g) b(b,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
951	s	g(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
952	A	a(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
953	F		0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
954 955	V S G S E I S V R T S E S A F D T T A N E E I P K S Q D V N N N H H	c(c,b) d(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
955 956	Ť	a(a,c) e(e,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
957	A	f(f,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
958	N	g(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
959	E	a(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
960 961	T.	b(b,g) c(c,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
962	P	d(d,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
963	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
964	S	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
965	Ō	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
966 967	Ω	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
968	N	c(c,c)	0.001	0.001	0.0	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.0
969	N	b(b,b) c(c,c) d(d,d) e(e,e)	0.001	0.001	0.0	a:0.0 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0
970	H		0.002	0.002	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.002 f:0.0 g:0.0
9/1	ь	f(f,f)	0.002	0.002	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.002 g:0.0
972 973	K S	g(g,g) a(a,a)	0.002 0.002	0.002	0.0	a:0.00 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.002
974	E	b(b,b)	0.002	0.002	0.0	a:0.0 b:0.002 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
975	T	c(c,c)	0.002	0.002	0.0	a:0.0 b:0.0 c:0.002 d:0.0 e:0.0 f:0.0 g:0.0
976	D	d(d,d)	0.003	0.003	0.0	a:0.0 b:0.0 c:0.0 d:0.002 e:0.0 f:0.0 g:0.0
977 978	P K	e(e,e) f(f,f)	0.003 0.061	0.003 0.061	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.003 f:0.0 g:0.0
978	Y Y	g(g,g)	0.061	0.079	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0
	s	a(a,a)	0.169	0.169	0.0	a:0.169 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
980						

981	Q	b(b,b)	0.338	0.338	0.0	a:0.0 b:0.338 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
982	H	c(c,c)	0.375	0.375	0.0	a:0.0 b:0.0 c:0.375 d:0.0 e:0.0 f:0.0 g:0.0
983	A	d(d,d)	0.405	0.404	0.0	a:0.0 b:0.0 c:0.0 d:0.405 e:0.0 f:0.0 g:0.0
984	V	e(e,e)	0.416	0.415	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.416 f:0.0 g:0.0
985	V	f(f,f)	0.467	0.466	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.467 g:0.0
986 987	D H	g(g,g) a(a,a)	0.626 0.725	0.625 0.724	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.626 a:0.725 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
988	D	b(b,b)	0.725	0.764	0.0	a:0.0 b:0.765 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
989	N N	c(c,c)	0.782	0.781	0.0	a:0.0 b:0.0 c:0.781 d:0.0 e:0.0 f:0.0 g:0.0
990	K	d(d,d)	0.79	0.789	0.0	a:0.0 b:0.0 c:0.0 d:0.79 e:0.0 f:0.0 g:0.0
991	S	e(e,e)	0.814	0.813	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.814 f:0.0 g:0.0
992	K	f(f,f)	0.834	0.833	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.833 q:0.0
993	E	g(g,g)	0.844	0.843	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.844
994	M	a(a,a)	0.846	0.845	0.0	a:0.846 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
995	N	b(b,b)	0.848	0.847	0.0	a:0.0 b:0.848 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
996	E	c(c,c)	0.849	0.848	0.0	a:0.0 b:0.0 c:0.849 d:0.0 e:0.0 f:0.0 g:0.0
997	T	d(d,d)	0.849	0.848	0.0	a:0.0 b:0.0 c:0.0 d:0.849 e:0.0 f:0.0 g:0.0
998	S	e(e,e)	0.85	0.849	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.849 f:0.0 g:0.0
999	K	f(f,f)	0.85	0.849	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.85 g:0.0
1000	N	g(g,g)	0.85	0.849	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.85
1001 1002	N D	a(a,a)	0.85 0.85	0.849 0.849	0.0	a:0.85 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.85 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1002	D.	b(b,b) c(c,c)	0.85	0.849	0.0	a:0.0 b:0.0 c:0.85 d:0.0 e:0.0 f:0.0 g:0.0
1003	ν.	d(d,d)	0.85	0.849	0.0	a:0.0 b:0.0 c:0.0 d:0.85 e:0.0 f:0.0 q:0.0
1005	G	e(e,e)	0.85	0.849	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.85 f:0.0 g:0.0
1006	ō	f(f,f)	0.85	0.849	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.85 g:0.0
1007	P	g(g,g)	0.85	0.849	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.85
1008	N	a(a,a)	0.853	0.852	0.0	a:0.853 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1009	H	b(b,b)	0.854	0.853	0.0	a:0.0 b:0.853 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1010	G	c(c,c)	0.854	0.853	0.0	a:0.0 b:0.0 c:0.854 d:0.0 e:0.0 f:0.0 g:0.0
1011	٧	d(d,d)	0.856	0.855	0.001	a:0.0 b:0.0 c:0.0 d:0.855 e:0.0 f:0.0 g:0.0
1012 1013	Ö.	e(e,e) f(f,f)	0.857 0.858	0.856 0.857	0.001 0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.857 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.857 g:0.0
1014	D G	g(g,g)	0.858	0.857	0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.858
1014	. K S K E M N E T S K N N E R S G Q P N H G V Q G D G I A L K K D N E K E N F D S N M A I K Q F E D H Q S S E E D A S E K D S R Q S S E V	g(g,g) a(a,a)	0.859	0.858	0.001	a:0.859 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1016	Ī	b(b,b)	0.87	0.869	0.001	a:0.0 b:0.869 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1017	A	c(c,c)	0.92	0.919	0.001	a:0.0 b:0.0 c:0.92 d:0.0 e:0.0 f:0.0 g:0.0
1018	L	d(d,d)	0.959	0.957	0.001	a:0.0 b:0.0 c:0.0 d:0.958 e:0.0 f:0.0 g:0.0
1019	K	e(e,e)	0.966	0.964	0.001	a:0.001 b:0.0 c:0.0 d:0.0 e:0.965 f:0.0 g:0.0
1020	K	f(f,f)	0.97	0.968	0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.969 g:0.0
1021	D	a(a'a)	0.971	0.97	0.001	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.97
1022	N	a(a,a)	0.973 0.973	0.971	0.001	a:0.971 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0 a:0.0 b:0.972 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0
1023 1024	E	b(b,b)	0.973	0.972 0.972	0.001 0.001	a:0.0 b:0.972 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0 a:0.0 b:0.0 c:0.972 d:0.0 e:0.0 f:0.001 q:0.0
1025	r.	c(c,c) d(d,d)	0.973	0.972	0.001	a:0.0 b:0.0 c:0.0 d:0.972 e:0.0 f:0.0 g:0.001
1026	N	e(e,e)	0.973	0.972	0.001	a:0.001 b:0.0 c:0.0 d:0.0 e:0.972 f:0.0 g:0.0
1027	F	f(f,f)	0.973	0.972	0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.972 g:0.0
1028	D	g(g,g)	0.973	0.972	0.001	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.972
1029	S	a(a,a)	0.973	0.972	0.001	a:0.972 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0
1030	N	b(b,b)	0.974	0.972	0.001	a:0.0 b:0.972 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0
1031	M	c(c,c)	0.974	0.972	0.001	a:0.0 b:0.0 c:0.972 d:0.0 e:0.0 f:0.001 g:0.0
1032 1033	A	d(d,d)	0.974 0.974	0.972 0.972	0.001 0.001	a:0.0 b:0.0 c:0.0 d:0.972 e:0.0 f:0.0 g:0.001 a:0.001 b:0.0 c:0.0 d:0.0 e:0.972 f:0.0 g:0.0
1034	r r	e(e,e) f(f,f)	0.974	0.972	0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.972 q:0.0
1035	0	g(g,g)	0.974	0.972	0.001	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.972
1036	F	a(a,a)	0.974	0.972	0.001	a:0.972 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0
1037	E	b(b,b)	0.974	0.973	0.001	a:0.0 b:0.972 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0
1038	D	c(c,c)	0.974	0.973	0.001	a:0.0 b:0.0 c:0.972 d:0.0 e:0.0 f:0.001 g:0.0
1039	H	d(d,d)	0.974	0.973	0.001	a:0.0 b:0.0 c:0.0 d:0.972 e:0.0 f:0.0 g:0.001
1040	Q	e(e,e)	0.974	0.973	0.001	a:0.001 b:0.0 c:0.0 d:0.0 e:0.972 f:0.0 g:0.0
1041 1042	8	f(f,f)	0.974 0.974	0.973 0.973	0.001 0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.972 g:0.0 a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.972
1042	S F	g(g,g) a(a,a)	0.974	0.973	0.001	a:0.972 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0
1044	R	b(b,b)	0.974	0.973	0.001	a:0.0 b:0.972 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0
1045	D	c(c,c)	0.974	0.973	0.001	a:0.0 b:0.0 c:0.972 d:0.0 e:0.0 f:0.001 g:0.0
1046	A	d(d,d)	0.974	0.973	0.001	a:0.0 b:0.0 c:0.0 d:0.972 e:0.0 f:0.0 g:0.001
1047	S	e(e,e)	0.974	0.973	0.001	a:0.001 b:0.0 c:0.0 d:0.0 e:0.972 f:0.0 g:0.0
1048	E	f(f,f)	0.974	0.973	0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.972 g:0.0
1049	K	g(g,g)	0.974	0.973	0.001	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.972
1050	D	a(a,a)	0.974	0.973	0.001	a:0.972 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0
1051	S	b(b,b)	0.974	0.973	0.001	a:0.0 b:0.972 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0
1052 1053	R	c(c,c)	0.974	0.973 0.973	0.001 0.001	a:0.0 b:0.0 c:0.972 d:0.0 e:0.0 f:0.001 g:0.0
1054	ů.	d(d,d) e(e,e)	0.974 0.974	0.973	0.001	a:0.0 b:0.0 c:0.0 d:0.972 e:0.0 f:0.0 g:0.001 a:0.001 b:0.0 c:0.0 d:0.0 e:0.972 f:0.0 g:0.0
1055	S	f(f,f)	0.974	0.973	0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.972 g:0.0
1056	E	g(g,g)	0.974	0.973	0.001	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.972
1057	V	a(a,a)	0.974	0.972	0.001	a:0.972 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 q:0.0
1058	K	b(b,b)	0.974	0.972	0.001	a:0.0 b:0.972 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0
1059	E	c(c,c)	0.974	0.972	0.001	a:0.0 b:0.0 c:0.972 d:0.0 e:0.0 f:0.001 g:0.0
1060	S	d(d,d)	0.972	0.971	0.001	a:0.0 b:0.0 c:0.0 d:0.97 e:0.0 f:0.0 g:0.001
1061	D	e(e,e)	0.971	0.97	0.001	a:0.001 b:0.0 c:0.0 d:0.0 e:0.969 f:0.0 g:0.0
1062 1063	D.	f(f,f)	0.97	0.969	0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.969 g:0.0 a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.967
1063	N M	g(g,g)	0.969	0.966	0.001	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 1:0.0 g:0.96/
1065	S	a(a,a) b(b,b) c(c,c) d(d,d)	0.966	0.965	0.001	a:0.0 b:0.0 c:0.001 a:0.0 e:0.0 f:0.0 g:0.967 a:0.966 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0 a:0.0 b:0.965 c:0.0 d:0.0 e:0.001 f:0.00 g:0.0 a:0.0 b:0.0 c:0.962 d:0.0 e:0.0 f:0.001 g:0.0 a:0.0 b:0.0 c:0.0 d:0.961 e:0.0 f:0.001 g:0.001 a:0.0 b:0.0 c:0.0 d:0.0 e:0.961 f:0.0 g:0.001 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.961 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.961 g:0.0 a:0.0 b:0.001 c:0.001 d:0.0 e:0.0 f:0.961 g:0.0
1066	L	c(c,c)	0.964	0.962	0.001	a:0.0 b:0.0 c:0.962 d:0.0 e:0.0 f:0.001 q:0.0
1067	N	d(d,d)	0.963	0.961	0.001	a:0.0 b:0.0 c:0.0 d:0.961 e:0.0 f:0.0 g:0.001
1068	S	e(e,e)	0.963	0.961	0.001	a:0.001 b:0.0 c:0.0 d:0.0 e:0.961 f:0.0 g:0.0
1069	D	f(f,f)	0.962	0.961	0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.961 g:0.0
1070	R	g(g,g)	0.962	0.961	0.001	a:U.U b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.961
1071 1072	D	a(a,a) b(b,b)	0.962	0.96	0.001	a:v.yb p:v.v c:v.v d:v.vv1 e:0.0 f:0.0 g:0.0
1072	e E	D(D,D)	0.962 0.61	0.96	0.001	a:0.0 b:0.0 c:0.06 d:0.0 e:0.001 I:0.0 g:0.0
1073	T T	c(c,c) d(d,d) e(e,e)	0.961	0.959	0.001	a:0.0 b:0.96 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0 a:0.0 b:0.96 c:0.0 d:0.0 e:0.001 f:0.00 g:0.0 a:0.0 b:0.0 c:0.96 d:0.0 e:0.0 f:0.001 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.00 g:0.001 a:0.0 b:0.0 c:0.0 d:0.0 e:0.959 f:0.0 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.959 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.959 g:0.0 a:0.0 b:0.001 c:0.001 d:0.0 e:0.0 f:0.0 g:0.959
1075	S	e(e,e)	0.961	0.959	0.001	a:0.001 b:0.0 c:0.0 d:0.0 e:0.959 f:0.0 g:0.0
1076	Ē	f(f,f)	0.961	0.959	0.001	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.959 α:0.0
1077	S	g(g,g)	0.96	0.959	0.001	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.959
1078	Y	a(a,a)	0.96	0.958	0.001	a:0.958 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1079	D	b(b,b)	0.959	0.957	0.001	a:0.0 b:0.958 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1080	K	c(c,c)	0.958	0.956	0.001	a:0.0 b:0.0 c:0.957 d:0.0 e:0.0 f:0.0 g:0.0
1081 1082	P D	d(d,d)	0.956	0.954	0.001	a.v.v p:v.v c:v.v q:v.yoo e:0.0 f:0.0 g:0.0
1082	D E	e(e,e)	0.944 0.875	0.943	0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.944 I:0.0 g:0.0
1084	ĭ	g(g,g)	0.793	0.792	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.793
1085	N	a(a,a)	0.768	0.767	0.0	a:0.768 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1086	T	b(b,b)	0.695	0.695	0.0	a:0.0 b:0.695 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1087	D	c(c,c)	0.632	0.632	0.0	a:0.0 b:0.0 c:0.632 d:0.0 e:0.0 f:0.0 g:0.0
1088	E	d(d.d)	0.495	0.495	0.0	a:0.0 b:0.0 c:0.0 d:0.495 e:0.0 f:0.0 g:0.0
1089	L	e(e,e) f(f,f) g(g,g) a(a,a)	0.324	0.323	0.0	a:v.v b:v.v c:v.0 d:0.0 e:0.323 f:0.0 g:0.0
1090 1091	P	I(I,I)	0.224	0.224	0.0	a:v.v D:v.v C:v.v Q:v.v e:v.v f:v.224 g:0.0
1091	n G	9(9,9) a(a.a)	0.22	0.22	0.0	a:0.215 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.219
1093	G	b(b,b)	0.215	0.215	0.0	a:0.0 b:0.214 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1094	D D N S L N S D R D E S I S E S Y D K L E D I N T D E L P H G G E A	c(c,c)	0.214	0.214	0.0	a:0.0 b:0.0 c:0.214 d:0.0 e:0.0 f:0.0 q:0.0
1095	A	d(d,d)	0.214	0.214	0.0	a:0.0 b:0.0 c:0.0 d:0.213 e:0.0 f:0.0 g:0.0
1096	F	e(e,e)	0.211	0.211	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.211 f:0.0 g:0.0
1097	K	f(f,f)	0.211	0.211	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.21 g:0.0
1098	A	g(g,g)	0.21	0.21	0.0	a:U.U b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.21
1099 1100	R E	a(a,a) b(b,b)	0.209 0.201	0.209	0.0	a:0.0 b:0.201 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1100	E V	D(D,D) C(C,C)	0.176	0.201	0.0	a:0.0 b:0.0 c:0.176 d:0.0 e:0.0 f:0.0 g:0.0
1101	S	d(d,d)	0.167	0.167	0.0	a:0.0 b:0.0 c:0.972 d:0.0 e:0.0 f:0.001 g:0.0 a:0.0 b:0.0 c:0.0 d:0.979 e:0.0 f:0.00 g:0.0 0:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.969 f:0.0 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.969 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.969 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.969 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 d:0.0 f:0.969 g:0.0 a:0.0 b:0.965 c:0.0 d:0.001 e:0.0 f:0.0 g:0.967 a:0.966 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0 a:0.0 b:0.965 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.001 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 f:0.001 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 fi0.001 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.961 f:0.0 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.961 f:0.0 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 fi0.961 g:0.0 a:0.0 b:0.0 c:0.0 di0.0 e:0.0 fi0.961 g:0.0 a:0.0 b:0.0 c:0.0 di0.0 d:0.0 e:0.0 fi0.0 g:0.961 a:0.96 b:0.0 c:0.0 d:0.0 d:0.0 f:0.0 g:0.0 d:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 fi0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 fi0.0 g:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 fi0.0 g:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 fi0.0 g:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 fi0.0 g:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 fi0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 fi0.0 g:0.0 a:0.0
1103	A	e(e,e)	0.159	0.159	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.159 f:0.0 g:0.0

1104	S	f(f,f)	0.155	0.155	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.155 g:0.0
1105	A	g(g,g)	0.148	0.148	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.148
1106	D	a(a,a)	0.142	0.142	0.0	a:0.141 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1107	F	b(b,b)	0.141	0.141	0.0	a:0.0 b:0.141 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1108	D	c(c,c)	0.141	0.141	0.0	a:0.0 b:0.0 c:0.141 d:0.0 e:0.0 f:0.0 g:0.0
1109 1110	V	d(d,d) e(e,e)	0.141	0.141	0.0	a:0.0 b:0.0 c:0.0 d:0.141 e:0.0 f:0.0 g:0.0
1111	Ψ T	f(f,f)	0.141	0.141	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.14 g:0.0
1112	S	g(g,g)	0.139	0.139	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.139
1113	L	a(a,a)	0.138	0.138	0.0	a:0.138 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1114	E	b(b,b)	0.136	0.136	0.0	a:0.0 b:0.135 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1115	D	c(c,c)	0.129	0.129	0.0	a:0.0 b:0.0 c:0.128 d:0.0 e:0.0 f:0.0 g:0.0
1116	N	d(d,d)	0.117	0.117	0.0	a:0.0 b:0.0 c:0.0 d:0.116 e:0.0 f:0.0 g:0.0
1117	Y	e(e,e)	0.113	0.113	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.113 f:0.0 g:0.0
1118	A	f(f,f)	0.112	0.112	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.112 g:0.0
1119	E	a(a'a)	0.11	0.11	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.11
1120 1121	G	a(a,a) b(b,b)	0.101	0.101	0.0	a:0.1 b:0.0 c:0.0 d:0.0 e:0.0 1:0.0 g:0.0
1122	ī	c(c,g)	0.093	0.093	0.0	a:0.0 b:0.0 c:0.093 d:0.0 e:0.0 f:0.0 g:0.0
1123	ō	d(d,a)	0.092	0.092	0.0	a:0.0 b:0.0 c:0.0 d:0.092 e:0.0 f:0.0 g:0.0
1124	T	e(e,b)	0.092	0.092	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.091 f:0.0 g:0.0
1125	D	f(f,c)	0.091	0.091	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.09 g:0.0
1126	L	g(g,d)	0.089	0.089	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.089
1127	S	a(a,e)	0.088	0.088	0.0	a:0.088 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1128	E	b(b,f)	0.087	0.087	0.0	a:0.0 b:0.087 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1129 1130	8	c(c,g) d(d,a)	0.085	0.085	0.0	a:0.0 b:0.0 c:0.085 d:0.0 e:0.0 f:0.0 g:0.0
1131	ĸ	e(e,b)	0.001	0.031	0.0	a:0.0 b:0.0 c:0.0 d:0.01 e:0.078 f:0.0 g:0.0
1132	R	f(f,c)	0.074	0.074	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.074 g:0.0
1133	N	g(g,d)	0.064	0.064	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.064
1134	E	a(a,e)	0.054	0.054	0.0	a:0.054 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1135	V	b(b,f)	0.049	0.049	0.0	a:0.0 b:0.049 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1136	Q	c(c,g)	0.047	0.047	0.0	a:0.0 b:0.0 c:0.046 d:0.0 e:0.0 f:0.0 g:0.0
1137	T	d(d,a)	0.038	0.038	0.0	a:0.0 b:0.0 c:0.0 d:0.038 e:0.0 f:0.0 g:0.0
1138	D	e(e,b)	0.029	0.029	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.029 f:0.0 g:0.0
1139 1140	A T	f(f,c) g(g,d)	0.021	0.021	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1141	D D	g(g,u) a(a,e)	0.006	0.006	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.006
1142	V	b(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1143	ĸ	c(c,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1144	F D V Q T S L E D N Y A E S G I Q T D L S E S S K E N E V Q T D A I P V K H N S T Q T V K K E A V D N G L Q T E P V E T C N F S V Q T F E G D E N V	d(d,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.155 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.148 a:0.141 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.148 a:0.141 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.141 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.141 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.141 e:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.14 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d
1145	N	e(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1146	S	f(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1147	T	g(g,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1148	Q	a(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1149	T	b(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1150 1151	V	c(c,g) d(d,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1151	K.	e(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1153	R	f(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1154	A	g(g,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1155	V	a(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1156	D	b(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1157	N	c(c,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1158	G	d(d,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1159	L	e(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1160 1161	Q	f(f,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1162	T P	g(g,d) a(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1163	D D	b(b,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1164	V	c(c,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1165	E	d(d,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1166	T	e(e,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1167	C	f(f,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1168	N	g(g,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1169	F	f(a,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1170	S	g(b,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1171	V	a(c,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1172 1173	Q m	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1174	F	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1175	E	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1176	G	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1177	D	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1178	E	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1179	N	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1100	÷.		0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1182	A	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1183	E	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1184	Q	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1185	C	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1186	K	b(g,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1187	P	a(a,a)	0.0	0.0	0.0	a:U.U b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1180	K O	υ(D,D) C(C,C)	0.0	0.0	0.0	a.v.u p:v.u c:v.u q:v.u e:v.u f:v.u g:v.u a.u.u h:u.u c:v.u d:v.u e:v.u f:v.u g:v.u
1190	I.	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1191	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1192	E	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1193	Y	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1194	Y	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1195	T	D(D,D)	0.0	0.0	0.0	a:v.v b:v.v c:v.v a:v.v e:v.v ±:v.v g:0.0
1190	D A	d(d.d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1198	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1199	V	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1200	S	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1201	N	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1202	I	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1203	P	c(c,c)	0.0	0.0	0.0	a:v.v b:v.v c:v.0 d:0.0 e:0.0 f:0.0 g:0.0
1204	f.,	a(a,a)	0.0	0.0	0.0	a:v.v b:v.v c:v.v a:v.v e:v.v ±:v.v g:0.0
1205	v S	c(f.c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1207	Q	d(q,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1208	Ñ	e(á,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1209	S	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1210	T	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1211	L	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1212	R	D(D,D)	0.0	0.0	0.0	a:v.v b:v.v c:v.0 d:0.0 e:0.0 f:0.0 g:0.0
1213	Ĺ	c(c,c)	0.0	0.0	0.0	a:u.u b:u.u c:u.u d:u.0 e:0.0 f:0.0 g:0.0
1214	E T	u(u,u) e(e.e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1216	S	f(f.f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1217	T	q(q,q)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1218	F	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1219	Q	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1220	T	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1221	V -	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1222	E	e(e,e)	0.0	0.0	0.0	a:v.v b:v.v c:v.0 d:0.0 e:0.0 f:0.0 g:0.0
1223	A	1(I,I)	0.0	0.0	0.0	a.v.u p:v.u c:v.u q:v.u e:v.u f:0.0 g:0.0
1225	F	((, d) e(e, e) f(f, f) g(g, g) a(a, a) b(g, b) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(f, c) d(g, d) e(a, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(b, b) c(c, c) d(d, d) e(e, e) f(f, f) g(g, g) a(a, a) b(b, b) c(b,	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 d:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0
1226	F T	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
						,

1227	v	2(2.2)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1227	L L	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1229 1230	M E	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1231	N	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1232 1233	I R	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1234	N	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1235 1236	M D	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1237	T	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1238 1239	F F	g(c,g) a(d,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1240	T	b(e,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1241 1242	D Q	c(f,c) d(g,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1242	s	e(a,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1244 1245	s I	f(b,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1245	P	g(e,g) f(f,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1247 1248	L V	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1249	K K	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1250	R	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1251 1252	T V	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1253	R	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1254 1255	S I	g(g,g) a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1256	N	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1257 1258	N L	c(c,c) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1259	Y	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1260 1261	T W	f(f,f) g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1262	R	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1263 1264	I P	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1265	E	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1266 1267	A E	c(c,e) d(d,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1268	I	e(e,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1269 1270	L L	f(f,a) d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1271	N	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1272 1273	I Q	b(b,b) c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1274	N	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1275 1276	N I	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1277	K	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1278 1279	C E	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1280	Q	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1281	М	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1282 1283	Q I	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1284	T	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1285 1286	N A	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1287	N	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1288 1289	I Q	d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1290	D	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1291 1292	L K	g(g,g) a(a,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1293	E	b(b,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1294 1295	K V	f(c,f) g(d,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1296	T	a(e,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1297 1298	D Y	b(f,b) c(g,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1299	V	d(a,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1300 1301	R K	e(b,e) f(c,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1302	D.					
1303 1304	I A	a(e,a) b(f,b)	0.001 0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1305	Q	c(g,c)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1306	T	d(a,d) e(b,e)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1308	E	f(c,f)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1309	V	g(d,g) a(e,a)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1311	A	b(f,b)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1312	A.	c(g,c) d(a,d)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1314	K	e(b,e)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1316	E E	g(d,g)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1317	Y	a(e,a)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1319	F	c(d'c) n(r'n)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1320	L M	d(a,d)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1321	H H	f(c,f)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1323	F	g(d,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1324	D D	a(e,a) b(f,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1326	A	c(g,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1327	S S	d(a,d) e(b.e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1329	G	f(c,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1331	V V	y(a,g) a(e,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1332	K	b(f,b)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1333	D L	c(g,c) d(a,d)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1335	s	e(b,e)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1336 1337	T H	i(c,f) q(d,a)	0.001 0.001	0.0	0.0	a:u.u b:u.u c:u.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1338	Q	a(e,a)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1339 1340	F R	b(d,b) c(e,c)	0.001 0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1341	M	d(f,d)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1342	Ö K	e(g,e) f(a.f)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1344	T	g(b,g)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1345 1346	L R	a(c,a) b(d.b)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1347	Õ	(a, a) (0.001	0.0	0.0	ai0.0 bi0.0 ci0.0 di0.0 ei0.0 fi0.0 gi0.0 ai0.0 bi0.0 ci0.0 di0.0 ei0.0
1348	К т.	d(f,d)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1017		-(9,0)	0.001	0.0	0.0	2.0.0 2.0.0 a.v.o a.v.o a.v.o y:0.0

1350	F	f(a,f)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1351	D	g(b,g)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1352	V	a(c,a)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1353	S	b(d,b)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1354 1355	A	c(e,c)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1356	K I	d(f,d) e(g,e)	0.001 0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1357	N	f(a,f)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1358	H	g(b,g)	0.001	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1359	T	a(c,a)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1360	E	b(d,b)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1361	E	c(e,c)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1362	L	d(f,d)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1363	L	e(g,e)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1364	N	f(a,f)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1365	I	g(b,g)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1366	L	a(c,a)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1367 1368	K L	b(d,b) c(e,c)	0.001 0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1369	F	d(f,d)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1370	T	e(g,e)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1371	V	f(a,f)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1372	K	b(b,g)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1373	N	c(c,a)	0.001	0.001	0.0	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.0
1374	K	d(d,b)	0.001	0.001	0.0	a:0.0 b:0.0 c:0.0 d:0.001 e:0.0 f:0.0 g:0.0
1375	R	e(e,c)	0.001	0.001	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.001 f:0.0 g:0.0
1376	L	f(f,d)	0.001	0.001	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.001 g:0.0
1377 1378	D	g(g,e)	0.001	0.001	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.001
1379	D N	a(a,f)	0.001 0.002	0.001	0.0	a:0.001 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1380	P	b(b,g) c(c,c)	0.002	0.001	0.0	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.0
1381	L	d(d,d)	0.005	0.001	0.001	a:0.0 b:0.0 c:0.0 d:0.005 e:0.0 f:0.0 g:0.0
1382	V	e(e,e)	0.006	0.004	0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.006 f:0.0 g:0.0
1383	A	f(f,f)	0.007	0.006	0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.007 g:0.0
1384	K	g(g,g)	0.008	0.007	0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.008
1385	L	a(a,a)	0.009	0.007	0.002	a:0.009 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1386	A	b(b,b)	0.009	0.007	0.002	a:0.0 b:0.009 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1387	K	c(c,c)	0.009	0.007	0.002	a:0.0 b:0.0 c:0.009 d:0.0 e:0.0 f:0.0 g:0.0
1388	E	d(d,d)	0.01	0.007	0.002	a:0.0 b:0.0 c:0.0 d:0.009 e:0.0 f:0.0 g:0.0
1389	S L	e(e,e)	0.01	0.007	0.002 0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.009 f:0.0 g:0.0
1390 1391	A	f(f,f)	0.01 0.01	0.007	0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.009 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.01
1392	R	g(g,g) a(a,a)	0.01	0.008	0.002	a:0.01 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1393	D	b(b,b)	0.01	0.008	0.002	a:0.0 b:0.01 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1394	G	c(c,c)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.01 d:0.0 e:0.0 f:0.0 g:0.0
1395	L	d(d,d)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.0 d:0.01 e:0.0 f:0.0 g:0.0
1396	L	e(e,e)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.01 f:0.0 g:0.0
1397	K	f(f,f)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.01 g:0.0
1398	E	g(g,g)	0.01	0.008 0.008 0.008 0.008 0.008 0.008	0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.01
1399 1400	I	a(a,a)	0.01 0.01	0.008	0.002 0.002	a:0.01 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1400	K L	b(b,b) c(c,c)	0.01	0.008	0.002	a:0.0 b:0.01 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.01 d:0.0 e:0.0 f:0.0 g:0.0
1402	L	d(d,d)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.0 d:0.01 e:0.0 f:0.0 g:0.0
1403	R	e(e,e)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.01 f:0.0 g:0.0
1404	E	f(f,f)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.01 g:0.0
1405	Q	g(g,g)	0.01	0.008		a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.01
1406	V	a(a,a)	0.01	0.008	0.002	a:0.01 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1407	S	b(b,b)	0.01	0.008 0.008 0.008 0.007	0.002	a:0.0 b:0.01 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1408	R	c(c,c)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.01 d:0.0 e:0.0 f:0.0 g:0.0
1409	L	d(d,d)	0.01	0.008	0.002	a:0.0 b:0.0 c:0.0 d:0.01 e:0.0 f:0.0 g:0.0
1410	Q	e(e,e)	0.01	0.007	0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.01 f:0.0 g:0.0
1411 1412	L E	f(f,f) g(g,g)	0.009 0.008	0.007 0.006	0.002 0.002	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.009 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.008
1413	E	a(a,a)	0.006	0.005	0.001	a:0.006 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1414	K	b(b,b)	0.006	0 004	0 001	a:0.0 b:0.006 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1415	G	c(c,c)	0.005	0.004 0.003 0.003 0.003 0.002 0.002	0.001	a:0.0 b:0.0 c:0.005 d:0.0 e:0.0 f:0.0 g:0.0
1416	K	d(d,d)	0.004	0.003	0.001	a:0.0 b:0.0 c:0.0 d:0.004 e:0.0 f:0.0 g:0.0
1417	K	e(e,e)	0.004	0.003	0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.004 f:0.0 g:0.0
1418	A	f(f,f)	0.004	0.002	0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.004 g:0.0
1419	S	g(g,g)	0.003	0.002	0.001	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.003
1420 1421	S F	a(a,a)	0.003 0.002	0.002 0.001	0.001 0.0	a:0.003 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.002 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1422	D	b(b,b) c(c,c)	0.002	0.001	0.0	a:0.0 b:0.0 c:0.002 d:0.0 e:0.0 f:0.0 q:0.0
1423	A	d(d,d)	0.002	0.001		
1424	S	e(e,e)	0.002	0.001	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.002 f:0.0 g:0.0
1425	S	f(f,f)	0.002	0.001	0.0 0.0 0.0 0.0 0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.002 g:0.0
1426	S	g(g,g)	0.002	0.001	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.002
1427	I	a(a,a)	0.001	0.001	0.0	a:0.001 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1428	T	b(b,b)	0.001	0.0	0.0	a:0.0 b:0.001 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 q:0.0
1429 1430	K D	c(c,c) d(d,d)	0.001	0.0	0.0	a:0.0 b:0.0 c:0.001 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1431	M	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1432	v	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1433	G F K V	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1434	F	a(a,a) b(b,b) c(c,c) d(d,d) e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1435	K	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1436		c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1437 1438	V E	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1438	E V	e(e,e) f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1440	G	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1441	L	a(a,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1442	A	b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1443	M	c(c,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1444	N	d(d,d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1445	T	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1446	K	f(f,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1447	K	g(g,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1448 1449	Q I	a(a,a) b(b,b)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1449	G	C(C,C)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1451	D	d(d.d)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1452	F	e(e,e)	0.0	0.0	0.0	
1453	F	e(e,e) f(f,f) f(g,f)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 q:0.0
1454	K	f(g,f)	0.0	0.0	0.0	
1455	N	g(a,g)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1456	L	a(b,a)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1457 1458	N M	b(c,b) c(d,c)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0 a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1459	A A	d(d,d)	0.001 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
1460	K	e(e,e)	0.0	0.0	0.0	a:0.0 b:0.0 c:0.0 d:0.0 e:0.0 f:0.0 g:0.0
		•				-