

Table 9 Orientations of thermal ellipsoids Part A. Muscovite from Panasqueira, Portugal

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Atom	Axis	rms (Å) displacement	Muscovite at 20°C			Muscovite at 550°C				rms (Å) displacement	Muscovite at 650°C		
			Angle (°) X	Y	with respect to Z	Angle (°) X	Y	with respect to Z	Angle (°) X		Y	with respect to Z	
K	r ₁	0.142(2)	62(10)	90	33(10)	0.209(3)	95(16)	90	1(16)	0.224(3)	89(13)	90	6(13)
	r ₂	0.151(2)	28(10)	90	123(10)	0.217(3)	175(16)	90	89(16)	0.234(3)	179(13)	90	84(13)
	r ₃	0.159(2)	90	0	90	0.228(3)	90	0	90	0.245(3)	90	0	90
Al	r ₁	0.077(3)	24(5)	72(7)	81(4)	0.107(3)	25(8)	65(9)	90(5)	0.117(3)	19(11)	72(13)	90(6)
	r ₂	0.092(3)	76(7)	159(7)	76(7)	0.118(3)	69(9)	150(9)	72(6)	0.124(3)	75(13)	153(10)	69(6)
	r ₃	0.107(2)	109(4)	79(7)	17(6)	0.134(2)	103(4)	73(6)	18(6)	0.141(2)	102(4)	70(6)	21(6)
T(1)	r ₁	0.087(3)	23(6)	92(15)	73(5)	0.111(2)	34(15)	57(14)	102(7)	0.119(2)	120(27)	143(21)	67(6)
	r ₂	0.094(2)	94(14)	173(9)	85(9)	0.117(2)	123(16)	42(13)	110(8)	0.122(2)	150(27)	63(25)	96(12)
	r ₃	0.106(2)	112(5)	84(8)	18(5)	0.130(2)	97(5)	66(6)	24(6)	0.135(2)	90(7)	67(6)	23(6)
T(2)	r ₁	0.086(3)	33(4)	83(6)	64(5)	0.115(2)	28(5)	78(12)	70(7)	0.123(2)	23(5)	87(12)	73(6)
	r ₂	0.103(2)	91(11)	167(16)	77(17)	0.123(2)	89(12)	157(10)	68(10)	0.131(2)	92(12)	167(10)	77(10)
	r ₃	0.107(2)	123(4)	78(18)	30(9)	0.133(2)	118(5)	71(9)	31(8)	0.140(2)	113(5)	77(10)	22(7)
O(1)	r ₁	0.120(5)	91(13)	19(35)	109(37)	0.140(6)	96(8)	18(20)	72(19)	0.148(6)	85(6)	18(16)	108(16)
	r ₂	0.125(5)	74(11)	108(37)	159(34)	0.153(6)	70(6)	72(20)	157(15)	0.164(6)	76(6)	108(16)	160(15)
	r ₃	0.145(5)	16(11)	84(9)	81(11)	0.196(5)	20(5)	90(4)	75(5)	0.209(5)	15(5)	91(4)	81(5)
O(2)	r ₁	0.106(6)	33(6)	77(7)	66(9)	0.139(6)	27(4)	64(6)	89(9)	0.151(6)	28(3)	65(7)	82(12)
	r ₂	0.130(5)	73(9)	55(6)	142(8)	0.163(6)	96(10)	64(6)	152(4)	0.171(6)	89(12)	64(7)	154(5)
	r ₃	0.168(5)	117(4)	39(5)	63(5)	0.224(6)	116(3)	38(3)	62(4)	0.241(6)	118(3)	37(3)	65(4)
O(3)	r ₁	0.105(5)	31(7)	110(12)	73(18)	0.127(6)	32(3)	116(6)	78(9)	0.139(6)	29(7)	110(10)	76(19)
	r ₂	0.116(5)	81(18)	122(10)	147(12)	0.152(6)	87(9)	118(6)	152(4)	0.151(6)	81(18)	117(9)	153(12)
	r ₃	0.157(5)	120(4)	140(5)	63(5)	0.206(5)	122(3)	140(4)	65(4)	0.220(5)	117(3)	145(3)	67(3)
O(4)	r ₁	0.079(6)	33(8)	112(8)	72(7)	0.113(6)	20(10)	107(7)	86(10)	0.124(6)	12(12)	102(11)	95(21)
	r ₂	0.109(5)	120(10)	144(22)	70(26)	0.134(5)	73(12)	63(9)	150(9)	0.135(5)	84(22)	67(9)	157(9)
	r ₃	0.117(5)	102(15)	64(25)	27(21)	0.161(5)	80(5)	33(8)	60(9)	0.164(5)	79(6)	27(8)	67(8)

	r ₂	0.092(3)	76(7)	159(7)	76(7)	0.118(3)	69(9)	150(9)	72(6)	0.124(3)	75(13)	153(10)	89(6)
	r ₃	0.107(2)	109(4)	79(7)	17(6)	0.134(2)	103(4)	73(6)	18(6)	0.141(2)	102(4)	70(6)	21(6)
T(1)	r ₁	0.087(3)	23(6)	92(15)	73(5)	0.111(2)	34(15)	57(14)	102(7)	0.119(2)	120(27)	143(21)	67(6)
	r ₂	0.094(2)	94(14)	173(9)	85(9)	0.117(2)	123(16)	42(13)	110(8)	0.122(2)	150(27)	63(25)	96(12)
	r ₃	0.106(2)	112(5)	84(8)	18(5)	0.130(2)	97(5)	66(6)	24(6)	0.135(2)	90(7)	67(6)	23(6)
T(2)	r ₁	0.086(3)	33(4)	83(6)	64(5)	0.115(2)	28(5)	78(12)	70(7)	0.123(2)	23(5)	87(12)	73(6)
	r ₂	0.103(2)	91(11)	167(16)	77(17)	0.123(2)	89(12)	157(10)	68(10)	0.131(2)	92(12)	167(10)	77(10)
	r ₃	0.107(2)	123(4)	78(18)	30(9)	0.133(2)	118(5)	71(9)	31(8)	0.140(2)	113(5)	77(10)	22(7)
O(1)	r ₁	0.120(5)	91(13)	19(35)	109(37)	0.140(6)	96(8)	18(20)	72(19)	0.148(6)	85(6)	18(16)	108(16)
	r ₂	0.125(5)	74(11)	108(37)	159(34)	0.153(6)	70(6)	72(20)	157(15)	0.164(6)	76(6)	108(16)	160(15)
	r ₃	0.145(5)	16(11)	84(9)	81(11)	0.196(5)	20(5)	90(4)	75(5)	0.209(5)	15(5)	91(4)	81(5)
O(2)	r ₁	0.106(6)	33(6)	77(7)	66(9)	0.139(6)	27(4)	64(6)	89(9)	0.151(6)	28(3)	65(7)	82(12)
	r ₂	0.130(5)	73(9)	55(6)	142(8)	0.163(6)	96(10)	64(6)	152(4)	0.171(6)	89(12)	64(7)	154(5)
	r ₃	0.168(5)	117(4)	39(5)	63(5)	0.224(6)	116(3)	38(3)	62(4)	0.241(6)	118(3)	37(3)	65(4)
O(3)	r ₁	0.105(5)	31(7)	110(12)	73(18)	0.127(6)	32(3)	116(6)	78(9)	0.139(6)	29(7)	110(10)	76(19)
	r ₂	0.116(5)	81(18)	122(10)	147(12)	0.152(6)	87(9)	118(6)	152(4)	0.151(6)	81(18)	117(9)	153(12)
	r ₃	0.157(5)	120(4)	140(5)	63(5)	0.206(5)	122(3)	140(4)	65(4)	0.220(5)	117(3)	145(3)	67(3)
O(4)	r ₁	0.079(6)	33(8)	112(8)	72(7)	0.113(6)	20(10)	107(7)	86(10)	0.124(6)	12(12)	102(11)	95(21)
	r ₂	0.109(5)	120(10)	144(22)	70(26)	0.134(5)	73(12)	63(9)	150(9)	0.135(5)	84(22)	67(9)	157(9)
	r ₃	0.117(5)	102(15)	64(25)	27(21)	0.161(5)	80(5)	33(8)	60(9)	0.164(5)	79(6)	27(8)	67(8)
O(5)	r ₁	0.094(6)	67(20)	123(21)	46(12)	0.113(6)	68(7)	133(10)	54(9)	0.123(6)	70(7)	135(12)	55(11)
	r ₂	0.104(5)	135(25)	134(25)	94(24)	0.137(5)	102(17)	137(10)	129(14)	0.142(5)	93(17)	132(13)	137(14)
	r ₃	0.113(5)	126(23)	62(21)	45(12)	0.150(5)	154(10)	97(14)	59(13)	0.155(5)	159(8)	103(13)	68(14)
OH	r ₁	0.095(6)	44(26)	60(17)	66(17)	0.116(6)	21(7)	69(8)	97(8)	0.121(6)	153(5)	112(8)	70(8)
	r ₂	0.104(5)	46(26)	122(18)	124(16)	0.141(5)	77(10)	128(10)	140(10)	0.147(5)	85(9)	133(9)	137(9)
	r ₃	0.124(5)	90(10)	134(10)	44(10)	0.165(5)	73(5)	134(9)	51(9)	0.175(5)	63(4)	129(7)	54(8)

Table 2 (cont.) Orientations of thermal ellipsoids. Part B. Muscovite from Keystone, S.D.

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Atom	Axis	muscovite at 20°C			muscovite at 300°C				
		rms (Å) displacement	Angle (°) with respect to X	Y	Z	rms (Å) displacement	Angle (°) with respect to X	Y	Z
K	r ₁	0.140(4)	46(41)	90(0)	50(41)	0.177(6)	156(26)	90(0)	60(26)
	r ₂	0.144(4)	44(41)	90(0)	140(41)	0.187(6)	114(26)	90(0)	150(26)
	r ₃	0.154(4)	90(0)	0(0)	90(0)	0.193(6)	90(0)	0(0)	90(0)
Al	r ₁	0.064(6)	27(6)	63(6)	93(6)	0.088(7)	145(10)	119(9)	68(7)
	r ₂	0.094(4)	103(9)	60(15)	144(17)	0.114(6)	55(10)	138(18)	73(20)
	r ₃	0.104(4)	114(7)	43(12)	54(17)	0.124(5)	87(14)	63(20)	29(15)
T(1)	r ₁	0.073(5)	29(15)	61(14)	96(8)	0.086(6)	169(8)	91(21)	73(8)
	r ₂	0.087(5)	62(15)	145(15)	74(13)	0.102(7)	89(21)	179(21)	90(19)
	r ₃	0.103(4)	98(8)	73(12)	17(12)	0.117(5)	79(8)	90(19)	17(8)
T(2)	r ₁	0.075(5)	20(14)	74(13)	84(9)	0.089(6)	5(8)	89(28)	101(7)
	r ₂	0.092(5)	70(14)	146(22)	119(23)	0.102(6)	89(28)	179(28)	90(17)
	r ₃	0.100(5)	92(11)	119(22)	30(23)	0.123(5)	85(7)	90(16)	11(7)
O(1)	r ₁	0.106(10)	77(18)	15(15)	85(25)	0.117(15)	94(23)	120(28)	30(27)
	r ₂	0.126(8)	61(35)	90(26)	157(35)	0.136(14)	125(28)	133(32)	113(32)
	r ₃	0.136(9)	32(32)	105(15)	68(35)	0.155(13)	145(28)	58(25)	72(19)
O(2)	r ₁	0.116(10)	96(44)	146(12)	56(16)	0.117(16)	30(14)	60(14)	95(15)
	r ₂	0.126(10)	159(18)	96(39)	104(29)	0.150(14)	109(19)	56(16)	137(13)
	r ₃	0.160(9)	110(12)	57(9)	38(10)	0.194(13)	113(9)	49(11)	47(13)
O(3)	r ₁	0.095(11)	144(8)	54(8)	84(15)	0.114(15)	136(12)	46(12)	83(12)
	r ₂	0.126(9)	95(16)	95(16)	168(17)	0.162(13)	58(41)	53(41)	130(76)
	r ₃	0.149(9)	54(8)	37(8)	100(17)	0.170(13)	64(46)	66(51)	41(75)
O(4)	r ₁	0.064(16)	11(8)	85(13)	86(8)	0.094(17)	142(23)	105(20)	51(16)

A1	r ₁	0.064(6)	27(6)	63(6)	93(6)	0.088(7)	145(10)	119(9)	68(7)
	r ₂	0.094(4)	103(9)	60(15)	144(17)	0.114(6)	55(10)	138(18)	73(20)
	r ₃	0.104(4)	114(7)	43(12)	54(17)	0.124(5)	87(14)	63(20)	29(15)
T(1)	r ₁	0.073(5)	29(15)	61(14)	96(8)	0.086(6)	169(8)	91(21)	73(8)
	r ₂	0.087(5)	62(15)	145(15)	74(13)	0.102(7)	89(21)	179(21)	90(19)
	r ₃	0.103(4)	98(8)	73(12)	17(12)	0.117(5)	79(8)	90(19)	17(8)
T(2)	r ₁	0.075(5)	20(14)	74(13)	84(9)	0.089(6)	5(8)	89(28)	101(7)
	r ₂	0.092(5)	70(14)	146(22)	119(23)	0.102(6)	89(28)	179(28)	90(17)
	r ₃	0.100(5)	92(11)	119(22)	30(23)	0.123(5)	85(7)	90(16)	11(7)
O(1)	r ₁	0.106(10)	77(18)	15(15)	85(25)	0.117(15)	94(23)	120(28)	30(27)
	r ₂	0.126(8)	61(35)	90(26)	157(35)	0.136(14)	125(28)	133(32)	113(32)
	r ₃	0.136(9)	32(32)	105(15)	68(35)	0.155(13)	145(28)	58(25)	72(19)
O(2)	r ₁	0.116(10)	96(44)	146(12)	56(16)	0.117(16)	30(14)	60(14)	95(15)
	r ₂	0.126(10)	159(18)	96(39)	104(29)	0.150(14)	109(19)	56(16)	137(13)
	r ₃	0.160(9)	110(12)	57(9)	38(10)	0.194(13)	113(9)	49(11)	47(13)
O(3)	r ₁	0.095(11)	144(8)	54(8)	84(15)	0.114(15)	136(12)	46(12)	83(12)
	r ₂	0.126(9)	95(16)	95(16)	168(17)	0.162(13)	58(41)	53(41)	130(76)
	r ₃	0.149(9)	54(8)	37(8)	100(17)	0.170(13)	64(46)	66(51)	41(75)
O(4)	r ₁	0.064(16)	11(8)	85(13)	86(8)	0.094(17)	142(23)	105(20)	51(16)
	r ₂	0.106(10)	88(14)	165(20)	75(20)	0.122(15)	123(25)	44(23)	112(23)
	r ₃	0.128(9)	100(8)	76(20)	15(20)	0.148(13)	74(16)	50(22)	47(16)
O(5)	r ₁	0.096(11)	10(26)	99(24)	92(16)	0.101(17)	70(48)	120(14)	41(41)
	r ₂	0.115(10)	80(26)	34(26)	123(26)	0.114(14)	27(42)	95(28)	122(47)
	r ₃	0.131(10)	88(13)	58(25)	33(26)	0.149(14)	72(18)	32(13)	67(16)
OH	r ₁	0.094(11)	120(68)	85(40)	25(58)	0.109(16)	154(28)	74(30)	65(15)
	r ₂	0.101(11)	140(60)	120(17)	109(73)	0.129(15)	112(31)	152(27)	104(24)
	r ₃	0.131(9)	113(14)	31(13)	106(13)	0.156(13)	77(15)	112(22)	29(16)

MUSCOVITE DATA AT 20 C REFINEMENT STARTING 15 APRIL 85 C2/C
PRE-CYCLE 1

H	K	L	Y(OBS)	Y(CALC)	A	B	OBS-CALC	SIG(U)	(U-C)/SIG(O)	IQ
C	0	2	31.9139	31.6326	15.8163	0.0	0.2813	1.0000	0.2920	2
C	0	4	35.4117	36.6887	-18.3444	0.0	1.2770	1.0000	1.3639	2
C	0	8	37.7206	42.4609	21.2305	0.0	-4.7403	1.0000	-5.1818	2
C	0	12	12.0736	11.5580	5.7790	0.0	0.5156	1.0000	0.5810	2
C	0	14	36.4386	38.6013	19.3009	0.0	-2.1631	1.0000	-2.4013	2
C	0	16	58.8473	62.1092	31.0546	0.0	-3.2619	1.0000	-3.5522	2
C	0	18	11.8788	11.9123	5.9562	0.0	-0.0335	1.0000	-0.0378	2
C	0	20	33.2308	32.7986	16.3993	0.0	0.4322	1.0000	0.4835	2
C	0	22	41.9563	42.5690	21.2845	0.0	-0.6128	1.0000	-0.6817	2
C	0	24	34.4953	34.1014	17.0507	0.0	0.3939	1.0000	0.4409	2
C	0	26	32.1756	31.7038	-15.8519	0.0	-0.4718	1.0000	-0.5289	2
C	0	28	3.1659	2.1758	1.0879	0.0	0.9901	1.0000	1.1182	2
O	0	0	18.1689	18.3472	9.1736	0.0	-0.1783	1.0000	-0.1990	1
O	0	1	17.3889	17.0080	8.5040	0.0	0.8809	1.0000	0.9837	1
O	0	2	25.2321	26.1992	13.0996	0.0	-0.9472	1.0000	-1.0468	1
O	0	3	49.4957	51.7906	25.8953	0.0	-2.2949	1.0000	-2.4149	1
O	0	4	44.0548	55.1041	27.5521	0.0	-11.0493	1.0000	-11.7670	1
O	0	5	74.4528	74.4945	-37.2472	0.0	0.0016	1.0000	0.0016	1
O	0	6	8.9818	5.6375	-2.8187	0.0	-3.3443	1.0000	-3.7749	1
O	0	7	19.7519	20.8081	10.4041	0.0	-1.0562	1.0000	-1.1845	1
O	0	8	1.9915	3.2306	1.6153	0.0	-1.2390	1.0000	-1.4013	1
O	0	9	10.4608	10.8419	5.4209	0.0	-0.3810	1.0000	-0.4301	1
O	0	10	14.8036	15.6895	7.8448	0.0	-0.8859	1.0000	-0.9983	1
O	0	11	7.9789	7.8666	3.9333	0.0	0.1123	1.0000	0.1269	1
O	0	12	18.9142	19.3944	9.6972	0.0	-0.4803	1.0000	-0.5406	1
O	0	13	35.3682	37.7155	-18.8578	0.0	2.1473	1.0000	2.3901	1
O	0	14	6.4741	6.6670	-3.3335	0.0	0.1928	1.0000	0.2180	1
O	0	15	21.8080	21.5178	10.7589	0.0	0.2902	1.0000	0.3265	1
O	0	16	15.9973	16.4440	8.2220	0.0	-0.4467	1.0000	-0.5039	1
O	0	17	4.3528	4.3382	2.1691	0.0	0.0145	1.0000	0.0164	1
O	0	18	16.8821	16.5365	8.2683	0.0	0.3456	1.0000	0.3900	1
O	0	19	4.3742	5.7194	2.8597	0.0	-1.3451	1.0000	-1.5211	1
O	0	20	12.4737	13.0826	6.5413	0.0	-0.6089	1.0000	-0.6878	1
O	0	21	16.9830	17.6252	-8.8126	0.0	0.6423	1.0000	0.7246	1
O	0	22	2.5890	4.0477	2.0238	0.0	-1.4586	1.0000	-1.6497	1
O	0	23	14.0004	14.1056	7.0528	0.0	-0.1052	1.0000	-0.1188	1
O	0	24	11.0443	11.7191	5.8595	0.0	-0.6748	1.0000	-0.7625	1
O	0	26	5.3196	5.1591	2.5795	0.0	0.1606	1.0000	0.1816	1
O	0	27	1.8389	1.8400	-0.9200	0.0	0.0011	1.0000	0.0012	1
O	4	0	19.3659	16.7402	-8.3701	0.0	-2.6257	1.0000	-2.9470	1
O	4	1	26.7275	24.2397	-12.1199	0.0	-2.4878	1.0000	-2.7738	1
O	4	2	33.5289	32.0978	16.0489	0.0	1.4312	1.0000	1.5832	1
O	4	3	25.8520	25.3421	12.6711	0.0	0.5099	1.0000	0.5692	1
O	4	4	38.3276	40.7433	-20.3716	0.0	2.4157	1.0000	2.6603	1
O	4	5	6.9581	7.9404	-3.9702	0.0	0.9824	1.0000	1.1101	1
O	4	6	26.4699	25.9840	-12.9920	0.0	-0.4859	1.0000	-0.5430	1
O	4	7	20.1556	18.7954	-9.3977	0.0	-1.3602	1.0000	-1.5289	1
O	4	8	11.5463	11.2662	-5.6331	0.0	-0.2800	1.0000	-0.3161	1
O	4	9	6.4915	3.0679	1.5340	0.0	3.4236	1.0000	3.8699	1
O	4	10	19.6416	20.4929	-10.2464	0.0	0.8512	1.0000	0.9578	1
O	4	11	29.0289	28.7547	14.3774	0.0	0.2742	1.0000	0.3069	1
O	4	12	63.5899	65.3376	-32.6688	0.0	1.7477	1.0000	1.8920	1
O	4	13	37.6579	38.5125	-19.2563	0.0	0.8547	1.0000	0.9519	1
O	4	14	22.4629	22.5052	11.2526	0.0	-0.0423	1.0000	-0.0476	1
O	4	15	5.3811	4.9662	2.4831	0.0	0.4149	1.0000	0.4692	1
O	4	17	21.0714	21.8499	10.9249	0.0	-0.7785	1.0000	-0.8769	1

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0	4	18	17.7001	18.1079	-3.06540	0.0	-0.40758	1.00000	-0.48603	1
0	4	20	6.2739	6.1985	-3.05933	0.0	0.07552	1.00000	0.08523	1
0	4	21	17.3096	18.5652	-9.2926	0.0	1.2756	1.00000	1.4392	1
0	4	22	16.7438	16.9630	8.4815	0.0	-3.1792	1.00000	-0.2023	1
0	4	23	17.4058	17.4556	8.7273	0.0	-0.0497	1.00000	-0.0561	1
0	4	24	16.7662	19.8969	-9.9485	0.0	1.1307	1.00000	1.2754	1
0	4	25	2.5456	1.3052	0.6526	0.0	1.2905	1.00000	1.4595	1
0	4	26	9.4824	10.0921	-5.0461	0.0	0.6097	1.00000	0.6892	1
0	6	1	27.1174	27.6119	13.8059	0.0	-3.4945	1.00000	-0.5530	2
0	6	2	29.0123	28.6934	-14.3467	0.0	-0.3189	1.00000	-0.3562	2
0	6	3	8.1195	8.2022	4.1011	0.0	-0.0827	1.00000	-0.0933	2
0	6	4	4.5257	2.5131	1.2591	0.0	2.0076	1.00000	2.2667	2
0	6	5	9.6674	10.5432	-5.2716	0.0	0.6758	1.00000	0.9880	2
0	6	6	24.9357	25.1269	-12.5634	0.0	0.1912	1.00000	0.2142	2
0	6	7	15.5081	15.5369	-7.7685	0.0	0.0288	1.00000	0.0324	2
0	6	8	53.1680	52.7382	-26.6691	0.0	0.5703	1.00000	0.6248	2
0	6	9	29.0281	29.4966	14.7483	0.0	-0.4684	1.00000	-0.5242	2
0	6	10	32.4284	33.2623	16.6314	0.0	-0.8344	1.00000	-0.9320	2
0	6	11	9.5101	8.6451	-4.3226	0.0	-0.8649	1.00000	-0.9761	2
0	6	12	10.4731	10.2227	5.1114	0.0	0.2504	1.00000	0.2326	2
0	6	13	17.3971	16.3806	-8.1903	0.0	-1.0165	1.00000	-1.1453	2
0	6	14	33.9175	33.6557	-16.8279	0.0	-3.2619	1.00000	-0.2927	2
0	6	15	1.8310	0.3034	0.1517	0.0	1.5277	1.00000	1.7253	2
0	6	16	53.1711	52.5929	-26.2964	0.0	-0.5782	1.00000	-0.6382	2
0	6	17	17.4848	18.5791	9.2895	0.0	-1.0942	1.00000	-1.2325	2
0	6	18	4.6267	4.0965	2.0433	0.0	0.5402	1.00000	0.6100	2
0	6	19	10.9734	11.1325	-5.5663	0.0	0.1592	1.00000	0.1796	2
0	6	20	19.1778	19.3038	-9.6519	0.0	0.1260	1.00000	0.1419	2
0	6	21	1.7680	0.1186	-0.0594	0.0	-1.6692	1.00000	-1.8852	2
0	6	22	39.0285	38.4892	-19.2446	0.0	-0.5393	1.00000	-0.6022	2
0	6	23	4.4571	4.6964	2.3482	0.0	-0.2393	1.00000	-0.2702	2
0	6	24	20.6000	20.2563	-10.1282	0.0	-0.3438	1.00000	-0.3870	2
0	8	0	17.3036	17.0880	-8.5440	0.0	-0.2157	1.00000	-0.2433	1
0	8	1	6.5966	5.3812	2.6906	0.0	1.2154	1.00000	1.3741	1
0	8	2	22.4341	20.7623	-10.3811	0.0	-1.6718	1.00000	-1.8830	1
0	8	3	22.2824	20.1139	-10.0569	0.0	-2.1685	1.00000	-2.4425	1
0	8	4	8.7919	7.8292	-3.9146	0.0	-0.9627	1.00000	-1.0881	1
0	8	5	22.7578	20.2070	10.1035	0.0	2.5508	1.00000	2.8730	1
0	8	6	11.5049	10.4939	-5.2469	0.0	-1.0111	1.00000	-1.1423	1
0	8	7	4.4266	4.5018	2.2509	0.0	-0.0752	1.00000	-0.0850	1
0	8	8	5.7392	5.3071	-2.6535	0.0	-0.4321	1.00000	-0.4886	1
0	8	9	7.3131	7.0142	-3.5071	0.0	-0.2989	1.00000	-0.3379	1
0	8	10	3.1819	1.8326	-0.9163	0.0	-1.3493	1.00000	-1.5260	1
0	8	11	15.5473	15.8830	-7.9415	0.0	0.3352	1.00000	0.3783	1
0	8	12	3.4129	0.6594	0.3297	0.0	2.7535	1.00000	3.1140	1
0	8	13	26.6574	27.6932	13.8466	0.0	-1.0358	1.00000	-1.1643	1
0	8	14	12.1228	12.4067	-6.2034	0.0	0.2840	1.00000	0.3208	1
0	8	15	11.7058	11.3163	-5.6582	0.0	-0.3895	1.00000	-0.4401	1
0	8	16	4.2758	4.3122	-2.1561	0.0	0.0364	1.00000	0.0412	1
0	8	17	9.4031	9.3200	-4.6600	0.0	-0.0831	1.00000	-0.0940	1
0	8	18	8.7074	9.0763	-4.5382	0.0	0.3689	1.00000	0.4170	1
0	8	19	3.0621	2.9136	1.4568	0.0	0.1485	1.00000	0.1680	1
0	8	20	12.1100	12.4708	-6.2354	0.0	0.3607	1.00000	0.4075	1
0	8	21	12.8067	12.4656	6.2328	0.0	0.3411	1.00000	0.3853	1
0	10	0	11.8101	12.5156	-6.2578	0.0	0.7055	1.00000	0.7969	1
0	10	1	2.7082	0.7524	-0.3762	0.0	-1.9558	1.00000	-2.2119	1
0	10	2	13.1960	13.1460	-6.5730	0.0	-0.0500	1.00000	-0.0565	1
0	10	3	4.0660	3.9261	-1.9630	0.0	-0.1399	1.00000	-0.1582	1
0	10	4	24.8863	26.2468	13.1234	0.0	-1.3605	1.00000	-1.5306	1
0	10	5	6.4063	6.3257	3.1629	0.0	0.0805	1.00000	0.0910	1
0	10	6	7.3134	6.9253	3.4627	0.0	0.3881	1.00000	0.4387	1

C	10	7	8.8882	8.7168	4.3584	0.0	-0.1713	1.0000	0.1937	1
C	10	8	10.3058	10.4456	5.2228	0.0	-0.1388	1.0000	-0.1569	1
C	10	9	7.3568	7.2920	-3.6460	0.0	-0.0648	1.0000	-0.0732	1
C	10	10	20.4333	20.0908	10.0454	0.0	0.3426	1.0000	0.3862	1
C	10	11	6.5332	4.8102	-2.4051	0.0	-1.7230	1.0000	-1.9481	1
C	10	12	39.3332	39.3356	19.6678	0.0	-0.0023	1.0000	-0.0026	1
C	10	13	9.6171	10.1301	5.0651	0.0	-0.5130	1.0000	-0.5798	1
C	10	14	10.2153	10.2228	-5.1114	0.0	0.0076	1.0000	0.0085	1
C	10	15	4.3146	4.5789	-2.2895	0.0	0.2643	1.0000	0.2989	1
C	10	16	6.9254	6.9479	-3.4739	0.0	0.0225	1.0000	0.0254	1
C	10	17	8.7354	9.1175	-4.5588	0.0	0.3822	1.0000	0.4320	1
0	12	0	33.0997	33.5375	16.7688	0.0	-0.4378	1.0000	-0.4905	2
0	12	1	19.3860	19.6859	-9.8429	0.0	0.2998	1.0000	0.3376	2
0	12	2	10.1315	10.1606	5.0803	0.0	-0.0291	1.0000	-0.0328	2
0	12	3	5.2441	5.2940	-2.6470	0.0	0.0500	1.0000	0.0564	2
0	12	4	1.7824	1.3840	-0.6920	0.0	-0.3984	1.0000	-0.4499	2
0	12	5	11.1211	10.7521	0.3760	0.0	0.3690	1.0000	0.4163	2
0	12	6	13.9312	14.2647	7.1324	0.0	-0.3335	1.0000	-0.3762	2
0	12	7	9.2721	9.1530	4.5765	0.0	0.1191	1.0000	0.1344	2
0	12	8	25.4558	25.1893	12.5947	0.0	0.2665	1.0000	0.2995	2
1	1	-29	4.2657	4.0579	2.0289	0.0	0.2078	1.0000	0.2350	1
1	1	-27	4.7465	5.2153	6.6076	0.0	-0.4688	1.0000	-0.5302	1
1	1	-26	8.7673	8.5575	4.2788	0.0	0.2097	1.0000	0.2371	1
1	1	-25	4.3586	4.2175	-2.1088	0.0	-0.1410	1.0000	-0.1595	1
1	1	-24	3.8044	4.4872	2.2436	0.0	-0.6828	1.0000	-0.7721	1
1	1	-23	25.2271	26.0453	-13.0227	0.0	0.8182	1.0000	0.9207	1
1	1	-22	15.5672	16.0896	-8.0448	0.0	0.5224	1.0000	0.5896	1
1	1	-21	4.8995	4.8245	2.4123	0.0	0.0750	1.0000	0.0848	1
1	1	-20	13.3961	14.4081	7.2040	0.0	-1.0119	1.0000	-1.1426	1
1	1	-19	11.4136	12.3848	-6.1924	0.0	0.9712	1.0000	1.0971	1
1	1	-18	1.6182	0.3236	-0.1618	0.0	-1.2947	1.0000	-1.4643	1
1	1	-17	25.6779	24.5980	-12.2990	0.0	-1.0799	1.0000	-1.2146	1
1	1	-16	6.3443	6.2158	3.1079	0.0	0.1285	1.0000	0.1453	1
1	1	-15	22.4133	24.4980	-12.2490	0.0	2.0848	1.0000	2.3432	1
1	1	-14	28.2661	29.7558	-14.8779	0.0	1.4897	1.0000	1.6673	1
1	1	-13	13.5150	14.6082	7.3041	0.0	-1.0932	1.0000	-1.2331	1
1	1	-12	12.2065	13.1836	6.5918	0.0	-0.9771	1.0000	-1.1027	1
1	1	-11	18.4114	18.1106	-9.0553	0.0	-0.3008	1.0000	-0.3383	1
1	1	-10	9.3872	9.2435	4.6217	0.0	0.1437	1.0000	0.1623	1
1	1	-9	6.2875	7.3715	-3.6857	0.0	1.0840	1.0000	1.2250	1
1	1	-8	7.6557	7.8729	3.9365	0.0	-0.2173	1.0000	-0.2454	1
1	1	-7	25.7859	27.6715	-13.8358	0.0	1.8856	1.0000	2.0982	1
1	1	-6	57.4626	58.0999	-29.0499	0.0	0.6373	1.0000	0.6670	1
1	1	-5	23.7232	21.5109	10.7554	0.0	2.2123	1.0000	2.4585	1
1	1	-4	62.1753	63.6173	31.8087	0.0	-1.4420	1.0000	-1.4638	1
1	1	-3	45.6693	48.5740	-24.2870	0.0	2.9047	1.0000	3.0596	1
1	1	-2	5.7448	0.2405	0.1202	0.0	5.5043	1.0000	6.2165	1
1	1	-1	49.3988	50.4327	-25.2164	0.0	1.0339	1.0000	1.0684	1
1	1	0	32.4526	30.9897	-15.4948	0.0	-1.4629	1.0000	-1.5817	1
1	1	1	27.4712	27.8835	-13.9417	0.0	0.4123	1.0000	0.4513	1
1	1	2	20.9929	20.8304	-10.4152	0.0	-0.1625	1.0000	-0.1805	1
1	1	3	16.4882	13.4744	6.7372	0.0	3.0137	1.0000	3.3735	1
1	1	4	71.1250	68.3492	34.1746	0.0	-2.7757	1.0000	-2.7624	1
1	1	5	65.0845	63.8736	-31.9368	0.0	-1.2110	1.0000	-1.2371	1
1	1	6	34.8365	35.0621	-17.5311	0.0	0.2257	1.0000	0.2475	1
1	1	7	5.7604	5.3330	2.6665	0.0	0.4274	1.0000	0.4830	1
1	1	8	2.4616	2.9822	-1.4911	0.0	0.5205	1.0000	0.5886	1
1	1	9	4.6996	1.8810	-0.9405	0.0	-2.8186	1.0000	-3.1859	1
1	1	10	2.7264	1.3499	-0.6749	0.0	-1.3765	1.0000	-1.5567	1
1	1	11	7.4533	7.6417	-3.8209	0.0	0.1885	1.0000	0.2130	1
1	1	12	26.4490	28.2016	14.1008	0.0	-1.7526	1.0000	-1.9613	1

1	1	13	25.0069	26.8303	-13.4151	0.0	1.5234	1.0000	2.0441	1
1	1	14	25.3249	28.1094	-13.0547	0.0	0.7845	1.0000	0.3799	1
1	1	15	4.2052	5.1369	-2.5635	0.0	0.9319	1.0000	1.0536	1
1	1	16	6.0523	6.6534	-3.3267	0.0	0.6011	1.0000	0.6796	1
1	1	17	20.7751	19.5667	-9.7833	0.0	-1.2084	1.0000	-1.3614	1
1	1	18	2.2225	0.6936	0.3468	0.0	1.5289	1.0000	1.7292	1
1	1	20	17.3549	17.9664	0.9832	0.0	-0.6115	1.0000	-0.6893	1
1	1	21	19.3207	20.3855	-10.1927	0.0	1.0647	1.0000	1.2001	1
1	1	22	18.4184	18.9856	-9.4943	0.0	0.5702	1.0000	0.6430	1
1	1	23	7.9225	7.8024	-3.9012	0.0	-0.1200	1.0000	-0.1357	1
1	1	24	2.5254	3.3126	1.6563	0.0	-0.7872	1.0000	-0.8903	1
1	1	25	2.0503	2.5688	1.2844	0.0	-0.5184	1.0000	-0.5864	1
1	1	26	9.3200	9.3410	4.6705	0.0	-0.0130	1.0000	-0.0147	1
1	3	-27	31.5655	30.3750	-15.1875	0.0	-1.1905	1.0000	-1.3349	2
1	3	-26	6.7262	7.4147	3.7074	0.0	-0.6885	1.0000	-0.7773	2
1	3	-25	10.6801	10.0817	5.0409	0.0	0.6064	1.0000	0.6843	2
1	3	-24	5.1118	5.2287	2.6144	0.0	-0.1169	1.0000	-0.1320	2
1	3	-23	17.4006	18.1883	9.0941	0.0	-0.7877	1.0000	-0.8875	2
1	3	-22	7.4991	8.3118	-4.1559	0.0	0.8127	1.0000	0.9174	2
1	3	-21	10.2825	10.4212	-5.2106	0.0	0.1387	1.0000	0.1565	2
1	3	-20	2.9504	3.7504	-1.8752	0.0	0.8000	1.0000	0.9034	2
1	3	-19	53.1560	55.4216	-27.7108	0.0	2.2656	1.0000	2.4970	2
1	3	-18	16.0219	17.3444	8.6722	0.0	-1.3225	1.0000	-1.4899	2
1	3	-17	24.3019	23.1937	11.5969	0.0	1.1082	1.0000	1.2454	2
1	3	-16	13.7424	13.3567	-6.6783	0.0	-0.3857	1.0000	-0.4349	2
1	3	-15	24.5473	24.4530	-12.2265	0.0	-0.0943	1.0000	-0.1058	2
1	3	-14	8.7593	10.5363	-5.2682	0.0	1.7770	1.0000	2.0050	2
1	3	-12	9.4464	10.2822	5.1411	0.0	-0.7857	1.0000	-0.8863	2
1	3	-11	74.3697	77.5989	-38.8494	0.0	3.3291	1.0000	3.5112	2
1	3	-10	10.6154	11.1193	5.5596	0.0	-0.5039	1.0000	-0.5682	2
1	3	-9	60.4380	62.3559	31.1780	0.0	-1.9179	1.0000	-2.0591	2
1	3	-8	17.8661	19.7240	-9.8620	0.0	1.9179	1.0000	2.1537	2
1	3	-7	65.1924	67.2302	-33.6151	0.0	2.0377	1.0000	2.1462	2
1	3	-6	11.2282	10.0030	5.0015	0.0	1.2251	1.0000	1.3800	2
1	3	-5	24.5560	26.3454	-14.1727	0.0	3.7894	1.0000	4.2252	2
1	3	-4	5.7568	5.7062	2.8531	0.0	0.0507	1.0000	0.0572	2
1	3	-3	58.7051	56.7687	28.3844	0.0	1.9364	1.0000	2.0394	2
1	3	-2	4.5457	4.1112	2.0556	0.0	0.4346	1.0000	0.4905	2
1	3	-1	60.5309	59.9097	29.9549	0.0	0.6211	1.0000	0.6495	2
1	3	0	21.7840	20.9682	-10.4841	0.0	-0.8158	1.0000	-0.9104	2
1	3	2	5.5840	6.6181	3.3090	0.0	-1.0341	1.0000	-1.1671	2
1	3	3	64.1812	62.3849	-31.1925	0.0	-1.7963	1.0000	-1.8725	2
1	3	4	3.4097	3.9080	1.9540	0.0	-0.4983	1.0000	-0.5626	2
1	3	5	86.6265	82.3899	-41.1950	0.0	-4.2385	1.0000	-4.2515	2
1	3	6	2.8842	2.2371	1.1185	0.0	0.6471	1.0000	0.7308	2
1	3	7	24.7917	22.7401	-11.3700	0.0	-2.0516	1.0000	-2.2912	2
1	3	8	10.9349	11.5542	-5.7771	0.0	0.6193	1.0000	0.6981	2
1	3	10	13.5658	13.2410	6.6205	0.0	0.3248	1.0000	0.3659	2
1	3	11	43.8875	45.9775	-22.9888	0.0	2.0901	1.0000	2.3012	2
1	3	13	26.4537	27.8226	13.9113	0.0	-1.3689	1.0000	-1.5329	2
1	3	14	1.4296	0.4031	-0.2015	0.0	-1.0265	1.0000	-1.1593	2
1	3	15	32.6165	31.5835	15.7918	0.0	1.0330	1.0000	1.1554	2
1	3	16	6.6138	7.4587	-3.7293	0.0	0.8449	1.0000	0.9538	2
1	3	17	58.7948	60.6087	-30.3044	0.0	1.8140	1.0000	1.9848	2
1	3	18	1.7581	2.4569	1.2284	0.0	-0.6988	1.0000	-0.7892	2
1	3	19	5.2475	4.5324	2.2662	0.0	0.7152	1.0000	0.8075	2
1	3	20	2.9229	0.9330	0.4665	0.0	1.9899	1.0000	2.2472	2
1	3	21	11.4662	12.3952	6.1976	0.0	-0.9290	1.0000	-1.0480	2
1	3	23	33.1511	32.6483	-16.3242	0.0	-0.5028	1.0000	-0.5630	2
1	3	24	4.5448	6.7903	-3.3951	0.0	2.2454	1.0000	2.5356	2
1	3	25	53.2503	53.1854	-26.5927	0.0	-0.0450	1.0000	-0.0497	2

1	3	-26	4.9203	7.0728	-4.53364	0.0	-2.15226	1.00000	-2.4306	2
1	3	-24	8.5372	9.0665	-4.53362	0.0	-4.5233	1.00000	-0.5916	1
1	3	-23	2.4517	0.5290	-0.2645	0.0	-1.9227	1.00000	-2.1745	1
1	3	-22	17.6209	17.5499	8.7749	0.0	0.0710	1.00000	0.0801	1
1	3	-21	6.3297	6.7603	-3.3802	0.0	0.4306	1.00000	0.4369	1
1	3	-20	9.2454	9.0361	-4.5431	0.0	-0.1593	1.00000	-0.1800	1
1	3	-19	9.5746	9.9953	-4.9977	0.0	0.4208	1.00000	0.4755	1
1	3	-18	5.9843	6.5623	-3.2814	0.0	0.5785	1.00000	0.6541	1
1	3	-17	13.1430	13.1919	-5.5959	0.0	0.0488	1.00000	0.0551	1
1	3	-16	7.4716	7.3765	-3.6882	0.0	-0.0951	1.00000	-0.1075	1
1	3	-15	26.4310	25.8968	-12.9484	0.0	-0.5342	1.00000	-0.6007	1
1	3	-14	34.3550	33.4087	-16.7044	0.0	0.9463	1.00000	1.0595	1
1	3	-13	18.2912	17.4866	-8.7433	0.0	-0.8046	1.00000	-0.9073	1
1	3	-12	20.3126	20.7213	-10.3607	0.0	0.4088	1.00000	0.4603	1
1	3	-11	6.1841	6.6523	-3.3261	0.0	0.4682	1.00000	0.5293	1
1	3	-10	8.9902	9.8330	-4.9165	0.0	0.8428	1.00000	0.9523	1
1	3	-9	12.9726	14.5272	-7.2636	0.0	1.5546	1.00000	1.7546	1
1	3	-8	9.2632	9.4755	4.7377	0.0	-0.1923	1.00000	-0.2172	1
1	3	-7	3.2101	4.2458	-2.1229	0.0	1.0357	1.00000	1.1712	1
1	3	-6	36.2901	37.1256	18.5628	0.0	-0.8355	1.00000	-0.9280	1
1	3	-5	15.0247	13.1286	6.5643	0.0	2.4961	1.00000	2.8136	1
1	3	-4	56.5858	56.7524	-28.3762	0.0	0.1666	1.00000	0.1808	1
1	3	-3	9.4992	7.7350	-3.8665	0.0	-1.7662	1.00000	-1.9949	1
1	3	-2	15.4535	14.9116	7.4558	0.0	0.5419	1.00000	0.6107	1
1	3	-1	17.7681	17.0299	-8.5150	0.0	-0.7382	1.00000	-0.8310	1
1	3	0	18.3459	17.5526	8.7763	0.0	0.7933	1.00000	0.8926	1
1	3	1	18.8982	17.9648	-8.9824	0.0	-0.9333	1.00000	-1.0499	1
1	3	2	6.5380	6.9133	0.4566	0.0	5.6247	1.00000	6.3576	1
1	3	3	28.8240	28.4883	-14.2442	0.0	-0.3356	1.00000	-0.3751	1
1	3	4	39.6417	38.6509	-19.3254	0.0	-0.9909	1.00000	-1.0963	1
1	3	5	29.0225	29.4591	-14.7281	0.0	0.4337	1.00000	0.4849	1
1	3	6	33.5750	33.3523	16.6761	0.0	0.2228	1.00000	0.2481	1
1	3	7	22.2269	23.0973	-11.5487	0.0	0.8706	1.00000	0.9781	1
1	3	8	8.3782	8.0281	-4.0142	0.0	-0.8499	1.00000	-0.9602	1
1	3	9	15.3332	15.5894	-7.7947	0.0	0.2562	1.00000	0.2889	1
1	3	10	4.5689	7.6932	3.8466	0.0	0.8757	1.00000	0.9896	1
1	3	11	3.0667	0.7217	-0.3608	0.0	-2.3650	1.00000	-2.5747	1
1	3	12	16.4994	16.7957	-8.3979	0.0	0.2963	1.00000	0.3343	1
1	3	13	6.0850	5.0501	-2.5251	0.0	-1.0349	1.00000	-1.1701	1
1	3	14	13.4482	12.3171	6.1585	0.0	1.1311	1.00000	1.2773	1
1	3	15	7.4587	7.0469	-3.5234	0.0	-0.4118	1.00000	-0.4655	1
1	3	16	4.3285	2.2915	1.1457	0.0	2.0370	1.00000	2.3035	1
1	3	17	1.7195	0.4233	0.2117	0.0	1.2961	1.00000	1.4659	1
1	3	18	6.5876	7.0020	3.5010	0.0	-0.4145	1.00000	-0.4686	1
1	3	19	5.6396	6.0790	-3.0395	0.0	0.4394	1.00000	0.4969	1
1	3	20	21.3431	21.8921	-10.9461	0.0	0.5491	1.00000	0.6188	1
1	3	21	14.4581	14.9567	-7.4784	0.0	0.4986	1.00000	0.5630	1
1	3	22	14.3303	14.9459	7.4729	0.0	-0.6155	1.00000	-0.6951	1
1	3	23	7.5514	7.4697	-3.7348	0.0	-0.0817	1.00000	-0.0924	1
1	3	24	2.8944	3.4472	1.7236	0.0	-0.5528	1.00000	-0.6252	1
1	3	25	6.1013	6.5875	-3.2937	0.0	0.4862	1.00000	0.5497	1
1	7	-23	25.9420	25.6711	12.8356	0.0	0.2709	1.00000	0.3049	1
1	7	-22	10.5987	11.1751	5.5876	0.0	-0.5764	1.00000	-0.6514	1
1	7	-21	5.1877	4.9529	-2.4765	0.0	-0.2347	1.00000	-0.2654	1
1	7	-20	10.5565	11.0677	-5.5339	0.0	0.5112	1.00000	0.5777	1
1	7	-19	17.0262	18.0427	9.0214	0.0	-1.0166	1.00000	-1.1472	1
1	7	-18	3.6692	3.6404	-1.8202	0.0	-0.0288	1.00000	-0.0326	1
1	7	-17	9.9389	9.7564	4.8782	0.0	0.1825	1.00000	0.2062	1
1	7	-16	5.5832	5.9653	2.9826	0.0	-0.3820	1.00000	-0.4320	1
1	7	-15	5.9441	6.2048	3.1024	0.0	-0.2608	1.00000	-0.2949	1
1	7	-14	5.3592	5.3285	2.6642	0.0	0.0307	1.00000	0.0348	1

1	7	-13	18.9409	19.0534	-2.5267	0.0	-0.1125	1.0000	-0.1258	1
1	7	-12	4.8939	4.8888	-2.4444	0.0	-0.0051	1.0000	-0.0058	1
1	7	-11	4.1056	1.2656	0.6328	0.0	2.8399	1.0000	3.2114	1
1	7	-10	3.5359	2.0205	1.0133	0.0	1.0074	1.0000	1.1393	1
1	7	-9	1.7425	3.4116	1.7223	0.0	0.2979	1.0000	0.3369	1
1	7	-8	5.9435	3.9505	-1.9752	0.0	-1.9931	1.0000	-2.2535	1
1	7	-7	43.1804	41.8602	20.9301	0.0	1.3002	1.0000	1.4469	1
1	7	-6	19.3644	19.0710	9.5355	0.0	0.2934	1.0000	0.3307	1
1	7	-5	7.1876	6.4604	-3.2332	0.0	-0.7211	1.0000	-0.8151	1
1	7	-4	10.7301	5.8140	-4.9070	0.0	-0.9161	1.0000	-1.0349	1
1	7	-3	33.1007	34.0915	17.3458	0.0	-0.9908	1.0000	-1.1073	1
1	7	-2	17.0427	16.3632	-8.1815	0.0	-0.6796	1.0000	-0.7661	1
1	7	-1	49.0227	52.0042	26.0021	0.0	-2.9816	1.0000	-3.2870	1
1	7	0	14.5935	15.3728	7.6864	0.0	-0.7794	1.0000	-0.8793	1
1	7	1	17.7414	17.4424	8.7212	0.0	0.2990	1.0000	0.3370	1
1	7	2	14.4500	13.6997	6.5498	0.0	0.7503	1.0000	0.8466	1
1	7	3	44.3603	44.3324	-22.1662	0.0	-0.0278	1.0000	-0.0308	1
1	7	4	35.4509	36.2014	-13.1007	0.0	7.7504	1.0000	0.8374	1
1	7	5	33.1865	34.1067	17.0534	0.0	-0.9202	1.0000	-1.0288	1
1	7	6	9.9357	9.7264	4.6632	0.0	0.2103	1.0000	0.2376	1
1	7	7	2.3885	1.2313	0.6406	0.0	1.1072	1.0000	1.2522	1
1	7	8	19.0864	18.9117	9.4558	0.0	0.1748	1.0000	0.1970	1
1	7	9	21.4040	19.9376	-9.9688	0.0	-1.4664	1.0000	-1.6520	1
1	7	10	10.6308	11.2573	-3.6286	0.0	0.6265	1.0000	0.7078	1
1	7	11	2.3322	0.4446	0.2223	0.0	1.8876	1.0000	2.1348	1
1	7	12	10.5267	10.2308	-5.1154	0.0	-0.2959	1.0000	-0.3343	1
1	7	13	46.6434	48.2738	24.1369	0.0	-1.6304	1.0000	-1.8107	1
1	7	14	18.4920	19.0043	9.5022	0.0	-0.5123	1.0000	-0.5777	1
1	7	15	7.5681	7.0014	3.5007	0.0	0.5667	1.0000	0.6406	1
1	7	16	3.4590	0.4786	-0.2393	0.0	-2.9804	1.0000	-3.3706	1
1	7	17	13.4209	12.8945	6.4473	0.0	0.5263	1.0000	0.5944	1
1	7	18	4.2734	3.6288	-1.8144	0.0	-0.6466	1.0000	-0.7312	1
1	7	19	3.6676	9.1765	4.5382	0.0	-0.5089	1.0000	-0.5752	1
1	7	20	4.5643	3.4670	-1.7335	0.0	-1.0973	1.0000	-1.2409	1
1	7	21	17.3250	16.9098	8.4549	0.0	0.4152	1.0000	0.4686	1
1	7	22	3.2583	3.5043	1.7522	0.0	-0.2461	1.0000	-0.2783	1
1	9	-19	22.2404	22.8533	11.4266	0.0	-0.6128	1.0000	-0.6896	2
1	9	-18	17.3782	17.8427	-8.9214	0.0	0.4645	1.0000	0.5235	2
1	9	-17	10.9796	11.0012	-5.5006	0.0	0.0216	1.0000	0.0244	2
1	9	-16	12.9300	13.7017	6.8508	0.0	-0.7710	1.0000	-0.8697	2
1	9	-15	15.0945	16.2823	8.1412	0.0	-1.1879	1.0000	-1.3392	2
1	9	-14	10.7101	10.8903	5.4452	0.0	-0.1802	1.0000	-0.2033	2
1	9	-13	39.1989	40.2301	20.1150	0.0	-1.0312	1.0000	-1.1512	2
1	9	-12	4.8140	4.4511	-2.2255	0.0	-0.3629	1.0000	-0.4098	2
1	9	-11	27.3611	27.4845	13.7423	0.0	-0.1234	1.0000	-0.1386	2
1	9	-10	16.7004	18.0492	-9.0246	0.0	1.3488	1.0000	1.5197	2
1	9	-9	8.0710	8.3657	-4.1829	0.0	0.2947	1.0000	0.3327	2
1	9	-8	18.3552	18.7030	9.3515	0.0	-0.3478	1.0000	-0.3916	2
1	9	-7	21.8637	22.3612	11.1806	0.0	-0.4974	1.0000	-0.5594	2
1	9	-6	2.9808	2.2460	1.1230	0.0	0.7149	1.0000	0.8073	2
1	9	-5	29.2818	29.0491	14.5246	0.0	0.2326	1.0000	0.2608	2
1	9	-4	8.7996	6.1182	-4.5591	0.0	0.3186	1.0000	0.3596	2
1	9	-3	12.0285	11.4312	5.7156	0.0	0.5973	1.0000	0.6737	2
1	9	-2	15.2735	15.8944	-7.9472	0.0	0.6209	1.0000	0.6998	2
1	9	-1	23.1852	23.3328	-11.6664	0.0	0.1476	1.0000	0.1659	2
1	9	0	26.1121	27.0850	13.5425	0.0	-0.9729	1.0000	-1.0922	2
1	9	1	31.3558	31.0626	15.5313	0.0	0.2932	1.0000	0.3283	2
1	9	2	4.1147	1.2108	0.6054	0.0	2.9039	1.0000	3.2791	2
1	9	3	47.2190	47.4046	23.7023	0.0	-0.1856	1.0000	-0.2057	2
1	9	4	15.5310	15.4961	-7.7481	0.0	-0.0349	1.0000	-0.0393	2
1	9	5	10.2283	10.5670	5.2835	0.0	-0.3387	1.0000	-0.3821	2

1	9	6	7.8651	7.8164	-3.9082	0.0	-0.0487	1.0000	-0.0550	2
1	9	7	5.3837	4.6106	-2.3053	0.0	-0.7731	1.0000	-0.8729	2
1	9	8	27.4648	27.9460	13.9730	0.0	-3.4812	1.0000	-0.5399	2
1	9	9	55.8087	58.5406	29.2733	0.0	-1.7379	1.0000	-1.9123	2
1	9	10	14.6692	14.8540	-7.4273	0.0	0.1854	1.0000	0.2090	2
1	9	11	25.1006	24.4282	12.2141	0.0	0.6724	1.0000	0.7557	2
1	9	12	12.6041	13.2941	-6.6470	0.0	0.6899	1.0000	0.7782	2
1	9	13	15.8440	16.3334	-8.1067	0.0	0.4894	1.0000	0.5517	2
1	9	14	8.4036	8.4310	4.2155	0.0	-0.0273	1.0000	-0.0308	2
1	9	15	3.4392	3.4665	1.7333	0.0	-0.0273	1.0000	-0.0309	2
1	9	16	16.1702	17.0773	8.5387	0.0	-0.9071	1.0000	-1.0224	2
1	9	17	33.8180	32.7485	10.3743	0.0	1.0695	1.0000	1.1977	2
1	9	18	15.1985	15.2594	-7.6297	0.0	0.0609	1.0000	0.0697	2
1	9	19	4.8450	4.9497	-2.4748	0.0	3.1047	1.0000	0.1182	2
1	11	-13	12.4955	12.9147	6.4574	0.0	-0.4192	1.0000	-0.4736	1
1	11	-12	3.7932	3.7870	1.8935	0.0	0.0063	1.0000	0.0071	1
1	11	-11	1.5705	0.9330	0.4665	0.0	0.6376	1.0000	0.7211	1
1	11	-10	3.3880	3.0878	-1.5439	0.0	-0.3002	1.0000	-0.3395	1
1	11	-9	4.3758	4.3705	2.1853	0.0	0.0053	1.0000	0.0059	1
1	11	-8	6.5879	6.9400	3.4700	0.0	-0.3522	1.0000	-0.3982	1
1	11	-7	2.5401	0.2754	0.1377	0.0	2.2647	1.0000	2.5613	1
1	11	-6	15.5485	15.3209	-7.9104	0.0	0.2724	1.0000	0.3075	1
1	11	-5	8.0031	7.7042	3.8521	0.0	0.2989	1.0000	0.3380	1
1	11	-4	8.4589	8.6467	4.3234	0.0	-0.1879	1.0000	-0.2124	1
1	11	-3	2.4327	0.6750	-0.3375	0.0	-1.7577	1.0000	-1.9879	1
1	11	-2	9.3187	9.4864	4.7432	0.0	-0.1676	1.0000	-0.1894	1
1	11	-1	8.2416	7.6123	3.8062	0.0	0.6292	1.0000	0.7113	1
1	11	0	7.3547	7.1698	-3.5849	0.0	-0.1849	1.0000	-0.2091	1
1	11	1	9.0679	8.8394	4.4197	0.0	0.2285	1.0000	0.2582	1
1	11	2	12.1438	12.3789	-6.1895	0.0	0.2351	1.0000	0.2656	1
1	11	3	15.3745	15.5541	7.7771	0.0	-0.1796	1.0000	-0.2027	1
1	11	4	24.1669	24.2991	12.1496	0.0	-0.1322	1.0000	-0.1489	1
1	11	5	3.6445	3.0241	1.5120	0.0	0.6204	1.0000	0.7017	1
1	11	6	9.6813	9.5862	-4.7931	0.0	-0.0951	1.0000	-0.1075	1
1	11	7	11.7209	11.6028	5.8014	0.0	0.1181	1.0000	0.1334	1
1	11	8	10.5752	10.5825	-5.2912	0.0	0.0073	1.0000	0.0082	1
1	11	9	6.3320	6.3598	3.1799	0.0	-0.0278	1.0000	-0.0314	1
1	11	10	4.6374	4.8094	2.4047	0.0	-0.1720	1.0000	-0.1945	1
1	11	11	5.3375	5.2012	2.6006	0.0	0.1363	1.0000	0.1542	1
1	11	12	9.1607	9.3407	4.6704	0.0	-0.1800	1.0000	-0.2035	1
2	0	-26	58.2173	54.8921	-27.4461	0.0	-3.3252	1.0000	-3.6711	2
2	0	-24	31.8370	30.7194	-15.3597	0.0	-1.1175	1.0000	-1.2528	2
2	0	-22	14.3142	15.2020	7.6010	0.0	-0.8878	1.0000	-1.0010	2
2	0	-20	1.7681	1.2192	0.6096	0.0	0.5489	1.0000	0.6199	2
2	0	-18	68.0758	60.8573	-30.4287	0.0	-7.2185	1.0000	-7.8984	2
2	0	-16	36.8920	32.7660	16.3830	0.0	4.1260	1.0000	4.6093	2
2	0	-14	19.7851	21.1477	10.5739	0.0	-1.3626	1.0000	-1.5316	2
2	0	-12	39.9574	41.8626	-20.9313	0.0	1.9052	1.0000	2.1067	2
2	0	-8	29.3104	28.7118	-14.3559	0.0	-0.5986	1.0000	-0.6655	2
2	0	-6	81.4419	79.4306	-39.7153	0.0	-2.0113	1.0000	-2.0361	2
2	0	0	58.1330	54.4567	-27.2283	0.0	-1.6763	1.0000	-1.7755	2
2	0	2	64.8754	61.0633	30.5316	0.0	3.8121	1.0000	3.9233	2
2	0	4	63.4331	58.2755	29.1378	0.0	5.1576	1.0000	5.3471	2
2	0	6	23.2883	25.9103	-12.9551	0.0	-2.6220	1.0000	-2.9250	2
2	0	8	70.6744	69.9336	-34.9668	0.0	-0.7408	1.0000	-0.7698	2
2	0	10	58.3073	58.3511	29.1755	0.0	-0.0438	1.0000	-0.0470	2
2	0	14	75.3899	74.5425	-37.2713	0.0	-0.8474	1.0000	-0.8892	2
2	0	16	35.0293	34.7684	-17.3842	0.0	-0.2609	1.0000	-0.2905	2
2	0	18	28.4839	27.0867	13.5434	0.0	1.3972	1.0000	1.5670	2
2	0	20	50.3186	50.8032	-25.4016	0.0	0.4846	1.0000	0.5351	2
2	0	20	16.3224	16.3597	-8.1799	0.0	0.0373	1.0000	0.0420	2

22	17.0281	18.4722	4.4332	0.0	-1.8510	1.0000	-2.0855	2
24	17.4623	17.3853	3.6926	0.0	-0.7652	1.0000	-0.8867	2
26	35.3235	34.5582	-17.2791	0.0	-3.5287	1.0000	-0.5979	1
-27	3.9346	4.4653	2.2317	0.0	-0.1235	1.0000	-0.1396	1
-26	0.5860	0.4625	-3.2512	0.0	-0.5548	1.0000	-0.6271	1
-25	8.9562	9.4910	4.7455	0.0	0.0191	1.0000	0.0216	1
-24	3.1212	3.1021	1.5511	0.0	0.4891	1.0000	0.5509	1
-23	22.9977	23.4867	-11.7434	0.0	0.2328	1.0000	0.2631	1
-22	9.5541	9.7919	-4.8960	0.0	-0.7257	1.0000	-0.8196	1
-21	13.1425	13.8883	0.9341	0.0	-1.2742	1.0000	-1.4411	1
-20	1.4004	0.1262	-0.0631	0.0	-0.5971	1.0000	-0.6745	1
-19	11.5334	12.1605	0.0902	0.0	0.3464	1.0000	0.3917	1
-18	5.8262	5.4793	2.7399	0.0	-0.3858	1.0000	-0.4355	1
-17	15.3648	14.9790	-7.4695	0.0	-0.4039	1.0000	-0.4568	1
-16	5.0013	4.5973	-2.2937	0.0	1.0698	1.0000	1.1996	1
-15	27.3231	28.4929	-14.4464	0.0	1.7735	1.0000	1.9840	1
-14	30.6722	32.4457	-16.2229	0.0	-1.5217	1.0000	-1.6693	1
-13	50.8861	52.4078	20.2039	0.0	-0.8725	1.0000	-0.9837	1
-12	15.2580	14.3855	-7.1928	0.0	-1.1747	1.0000	-1.3177	1
-11	24.2386	23.0633	-11.5319	0.0	-0.4770	1.0000	-0.5315	1
-10	32.2913	31.3143	-15.9072	0.0	-0.4852	1.0000	-0.5469	1
-9	14.7080	14.2223	-7.1114	0.0	0.3975	1.0000	0.4425	1
-8	31.4783	31.8758	-15.9379	0.0	1.1842	1.0000	1.3347	1
-7	13.7931	12.6089	6.3045	0.0	1.6654	1.0000	1.8673	1
-6	21.1638	22.8591	-11.4296	0.0	-1.8683	1.0000	-2.0903	1
-5	23.2430	25.1114	12.5557	0.0	2.9913	1.0000	3.3816	1
-4	4.7192	1.7279	0.8639	0.0	0.3678	1.0000	0.4037	1
-3	37.8763	38.2441	-19.1220	0.0	-2.5783	1.0000	-2.9131	1
-2	0.6292	4.0509	2.0254	0.0	4.0522	1.0000	4.4264	1
-1	40.8958	30.8436	18.4218	0.0	3.0238	1.0000	3.3610	1
0	28.0351	25.0113	12.5057	0.0	-1.2618	1.0000	-1.3819	1
1	38.6694	37.4076	-18.7038	0.0	-0.4120	1.0000	-0.4614	1
2	21.0552	20.6433	-10.3216	0.0	-0.2009	1.0000	-0.2225	1
3	31.9815	32.1824	16.0912	0.0	-1.2608	1.0000	-1.4188	1
4	15.7382	14.4774	-7.2387	0.0	3.7094	1.0000	4.1923	1
5	6.1907	2.4813	1.2406	0.0	-0.4677	1.0000	-0.5274	1
6	12.7029	12.2353	-6.1176	0.0	-1.5823	1.0000	-1.7735	1
7	23.2768	21.6945	-10.6472	0.0	0.9419	1.0000	1.0483	1
8	32.5004	33.2423	-16.6212	0.0	-3.3328	1.0000	-3.7576	1
9	14.2654	10.9526	-5.4763	0.0	1.1721	1.0000	1.2885	1
10	45.7956	46.9677	-23.4839	0.0	-1.8040	1.0000	-1.9797	1
11	48.7032	50.5072	25.2536	0.0	2.7827	1.0000	3.1454	1
12	6.9537	4.1711	2.0855	0.0	1.8642	1.0000	2.0648	1
13	42.6743	44.5386	-22.2693	0.0	-0.0319	1.0000	-0.0361	1
14	10.9026	10.8707	-5.4353	0.0	-0.2744	1.0000	-0.3102	1
15	5.2950	5.0206	-2.5103	0.0	0.5533	1.0000	0.6241	1
16	16.8722	17.4256	-8.7128	0.0	-0.5871	1.0000	-0.6606	1
17	23.0888	23.6759	11.8380	0.0	-0.1184	1.0000	-0.1339	1
18	5.8799	5.9984	2.9992	0.0	-0.2792	1.0000	-0.3155	1
19	5.5269	9.8061	4.9031	0.0	0.7277	1.0000	0.8187	1
20	25.3039	26.0316	-13.0158	0.0	1.3480	1.0000	1.5221	1
21	14.2326	15.5806	-7.7903	0.0	-0.4315	1.0000	-0.4867	1
22	19.1950	19.6266	9.8133	0.0	0.1924	1.0000	0.2175	1
23	7.7903	7.9827	-3.9914	0.0	0.7685	1.0000	0.8691	1
24	3.1534	2.3849	1.1925	0.0	-0.1577	1.0000	-0.1783	1
25	1.5362	1.3785	-0.6893	0.0	-0.0472	1.0000	-0.0534	1
26	4.5426	4.5898	2.2949	0.0	0.0655	1.0000	0.0741	1
27	7.0912	7.1567	-3.5784	0.0	-0.3050	1.0000	-0.3447	1
28	10.4595	10.1545	-5.0773	0.0	0.1675	1.0000	0.1891	1
29	14.6262	14.4587	7.2294	0.0	0.0354	1.0000	0.0400	1
30	4.4164	4.3810	2.1905	0.0				

N	4	-20	4.6270	4.3121	2.1591	0.0	0.3149	1.0000	0.3561	1
N	4	-19	6.5115	6.4743	3.2371	0.0	0.0372	1.0000	0.0720	1
N	4	-18	10.1750	10.1602	5.0801	0.0	0.0148	1.0000	0.0167	1
N	4	-17	3.7577	1.7292	-0.8646	0.0	-2.0285	1.0000	-2.2940	1
N	4	-16	3.9487	2.8139	1.4070	0.0	1.1348	1.0000	1.2832	1
N	4	-15	28.8370	26.3669	-13.1835	0.0	-2.4701	1.0000	-2.7743	1
N	4	-14	49.0139	47.7969	23.6934	0.0	1.2221	1.0000	1.3543	1
N	4	-13	26.5434	27.0635	13.5318	0.0	-0.5201	1.0000	-0.5837	1
N	4	-12	9.8524	11.4529	5.7264	0.0	-1.6005	1.0000	-1.8082	1
N	4	-11	8.3902	8.3736	4.1868	0.0	0.0166	1.0000	0.0188	1
N	4	-10	4.9945	3.9632	-1.9816	0.0	-1.0313	1.0000	-1.1661	1
N	4	-9	21.8650	23.1700	-11.5850	0.0	1.3049	1.0000	1.4666	1
N	4	-8	2.4191	2.4717	1.2359	0.0	-0.0526	1.0000	-0.0595	1
N	4	-7	9.6720	10.1916	-5.0958	0.0	0.5196	1.0000	0.5869	1
N	4	-6	39.5020	40.8610	20.4305	0.0	-1.3582	1.0000	-1.5041	1
N	4	-5	48.7374	48.8999	24.4500	0.0	-0.1625	1.0000	-0.1780	1
N	4	-4	39.4547	39.2944	-19.6472	0.0	-0.1603	1.0000	-0.1773	1
N	4	-3	27.7185	26.8505	-13.4252	0.0	-0.8680	1.0000	-0.9706	1
N	4	-2	9.7536	8.8924	4.4462	0.0	0.8612	1.0000	0.9726	1
N	4	-1	15.0415	14.2573	-7.1289	0.0	-0.7836	1.0000	-0.8832	1
N	4	0	32.7475	33.0911	16.5456	0.0	-0.3437	1.0000	-0.3823	1
N	4	1	15.9997	15.0182	7.5091	0.0	0.9815	1.0000	1.1055	1
N	4	2	42.4420	42.4463	21.2232	0.0	-0.0043	1.0000	-0.0047	1
N	4	3	28.1717	26.3418	13.1709	0.0	1.8300	1.0000	2.0448	1
N	4	4	5.8337	1.9822	-0.9911	0.0	-3.8515	1.0000	-4.3539	1
N	4	5	29.8222	29.4329	-14.7165	0.0	-0.3892	1.0000	-0.4345	1
N	4	6	38.1644	38.9614	19.4807	0.0	-0.7970	1.0000	-0.8834	1
N	4	7	5.0998	2.1908	1.0954	0.0	2.9090	1.0000	3.2890	1
N	4	8	14.5752	15.1646	7.5823	0.0	-0.5894	1.0000	-0.6548	1
N	4	9	5.2599	4.8054	2.3027	0.0	0.6545	1.0000	0.7400	1
N	4	10	21.3100	21.2084	10.6042	0.0	0.1083	1.0000	0.1213	1
N	4	11	10.0629	10.2346	5.1173	0.0	-0.1717	1.0000	-0.1939	1
N	4	12	21.4986	20.5044	-10.3022	0.0	-0.8942	1.0000	-1.0068	1
N	4	13	24.5515	22.6688	-11.3344	0.0	-1.8828	1.0000	-2.1177	1
N	4	14	7.6165	7.3301	3.6651	0.0	0.2864	1.0000	0.3238	1
N	4	15	3.6495	2.7191	1.3596	0.0	0.9303	1.0000	1.0521	1
N	4	16	13.0000	13.6291	6.8146	0.0	-0.6231	1.0000	-0.7036	1
N	4	17	7.3530	7.8728	3.9464	0.0	-0.5398	1.0000	-0.6103	1
N	4	18	11.7152	12.6940	6.3470	0.0	-0.9788	1.0000	-1.1057	1
N	4	19	6.9186	7.6020	3.8010	0.0	-0.6834	1.0000	-0.7727	1
N	4	20	10.1413	10.1102	-5.0551	0.0	-0.0311	1.0000	-0.0352	1
N	4	21	11.5286	11.6608	-5.8304	0.0	0.1322	1.0000	0.1494	1
N	4	22	26.3618	26.3520	13.1760	0.0	0.0099	1.0000	0.0111	1
N	4	23	8.0234	7.9894	0.9947	0.0	0.0340	1.0000	0.0384	1
N	4	24	13.8762	14.5090	7.2545	0.0	-0.6328	1.0000	-0.7146	1
N	6	-24	18.7101	18.4594	5.2297	0.0	0.2517	1.0000	0.2891	2
N	6	-23	3.9410	4.0661	-2.0331	0.0	0.1252	1.0000	0.1413	2
N	6	-22	3.2841	3.5207	-1.7604	0.0	0.2366	1.0000	0.2672	2
N	6	-21	5.5244	5.4679	2.7340	0.0	0.0565	1.0000	0.0638	2
N	6	-20	3.2591	2.7550	1.3775	0.0	0.5040	1.0000	0.5692	2
N	6	-19	5.2145	5.4379	2.7189	0.0	-0.2234	1.0000	-0.2522	2
N	6	-18	38.6310	37.2262	18.6131	0.0	1.4047	1.0000	1.5682	2
N	6	-17	13.5462	14.0535	-7.0267	0.0	0.5072	1.0000	0.5720	2
N	6	-16	4.4453	4.2815	-2.1407	0.0	-0.1638	1.0000	-0.1850	2
N	6	-15	2.8724	1.9695	0.9848	0.0	0.9029	1.0000	1.0196	2
N	6	-14	11.2992	11.7364	-5.8682	0.0	0.4371	1.0000	0.4931	2
N	6	-13	2.3842	2.2117	1.1059	0.0	0.1725	1.0000	0.1948	2
N	6	-12	13.1474	13.2370	6.6185	0.0	-0.0896	1.0000	-0.1010	2
N	6	-11	16.6333	15.6595	7.8297	0.0	0.9739	1.0000	1.0974	2
N	6	-9	15.7223	15.3232	-7.6616	0.0	-0.3992	1.0000	-0.4499	2
N	6	-8	17.2446	16.5914	8.2957	0.0	0.6532	1.0000	0.7358	2

6	-7	3.4346	2.1800	-1.0900	0.0	-1.2547	1.0000	-1.4169	2
6	-6	8.4080	7.4919	-3.7400	0.0	-0.9167	1.0000	-1.0344	2
6	-5	11.9898	12.7735	6.3868	0.0	-0.7837	1.0000	-0.8836	2
6	-4	50.8710	58.5736	29.2868	0.0	-1.7026	1.0000	-1.8569	2
6	-3	9.4672	8.8977	4.4488	0.0	0.5695	1.0000	0.6425	2
6	-2	76.1934	78.9947	39.4973	0.0	-2.8013	1.0000	-2.9793	2
6	-1	33.9747	34.3029	-17.1514	0.0	0.3282	1.0000	0.3657	2
6	0	51.5850	51.7893	-25.8947	0.0	0.2038	1.0000	0.2233	2
6	1	16.5252	16.2341	8.1171	0.0	0.2911	1.0000	0.3277	2
6	2	7.2365	4.9428	-2.4714	0.0	-2.2936	1.0000	-2.5888	2
6	3	12.5857	13.3828	6.6914	0.0	-0.7971	1.0000	-0.8986	2
6	4	51.9000	52.4219	26.2109	0.0	-0.5219	1.0000	-0.5724	2
6	5	0.3824	5.1795	-2.5897	0.0	-1.2029	1.0000	-1.3579	2
6	6	20.7079	19.9096	9.9548	0.0	0.7983	1.0000	0.8974	2
6	7	15.7695	15.2715	-7.6358	0.0	-0.4980	1.0000	-0.5612	2
6	8	33.4551	31.4035	-15.7018	0.0	-2.0516	1.0000	-2.2951	2
6	9	19.7202	18.2811	9.1406	0.0	1.4390	1.0000	1.5199	2
6	10	61.4298	50.3174	28.1587	0.0	5.1124	1.0000	5.6094	2
6	11	2.7713	0.1107	0.0553	0.0	2.6606	1.0000	3.0047	2
6	12	54.3266	55.1833	27.5916	0.0	-0.8567	1.0000	-0.9431	2
6	13	5.2990	5.4913	-2.7459	0.0	0.1928	1.0000	0.2177	2
6	14	23.2355	22.7480	11.3740	0.0	0.4879	1.0000	0.5483	2
6	15	13.4416	13.9804	-6.9902	0.0	0.5388	1.0000	0.6076	2
6	16	4.5796	4.8666	-2.4333	0.0	0.2869	1.0000	0.3240	2
6	17	13.0401	13.6444	6.8222	0.0	-0.6043	1.0000	-0.6815	2
6	18	29.8179	29.3051	14.6526	0.0	0.5128	1.0000	0.5751	2
6	19	3.4704	2.9272	1.4636	0.0	0.5432	1.0000	0.6134	2
6	20	15.4745	15.4015	7.7008	0.0	0.0730	1.0000	0.0823	2
6	21	8.1744	7.7333	-3.8666	0.0	-0.4411	1.0000	-0.4979	2
6	22	3.9808	4.5994	-2.2997	0.0	0.6185	1.0000	0.6985	2
8	-21	7.9876	7.8714	-3.9357	0.0	-0.1161	1.0000	-0.1313	1
8	-20	4.6549	5.1476	2.5738	0.0	-0.4927	1.0000	-0.5572	1
8	-19	4.2223	3.9461	-1.9731	0.0	-0.2762	1.0000	-0.3123	1
8	-18	5.1174	4.7042	-2.3521	0.0	-0.4132	1.0000	-0.4673	1
8	-17	2.1326	1.7233	0.8617	0.0	0.4093	1.0000	0.4629	1
8	-16	2.9721	0.2212	0.1106	0.0	2.7509	1.0000	3.1111	1
8	-15	18.5128	18.6003	9.3001	0.0	-0.0875	1.0000	-0.0987	1
8	-14	12.4734	11.7762	5.8881	0.0	0.6972	1.0000	0.7876	1
8	-13	19.7116	19.8960	-9.9480	0.0	0.1843	1.0000	0.2078	1
8	-12	18.7514	18.8473	9.4236	0.0	-0.0959	1.0000	-0.1081	1
8	-11	3.3821	2.5626	1.2813	0.0	0.8195	1.0000	0.9268	1
8	-10	13.4573	14.4979	7.2490	0.0	-1.0406	1.0000	-1.1751	1
8	-9	9.0115	9.2800	4.6400	0.0	-0.2685	1.0000	-0.3035	1
8	-8	20.8087	21.1543	10.5771	0.0	-0.3455	1.0000	-0.3893	1
8	-7	6.4251	6.2265	3.1132	0.0	0.1986	1.0000	0.2245	1
8	-6	10.9224	11.1811	5.5906	0.0	-0.2587	1.0000	-0.2923	1
8	-5	27.3577	27.2798	-13.6399	0.0	-0.0779	1.0000	-0.0875	1
8	-4	9.2746	9.8076	4.9038	0.0	-0.5330	1.0000	-0.6024	1
8	-3	13.8026	14.1110	7.0555	0.0	-0.3085	1.0000	-0.3483	1
8	-2	4.8951	3.5648	-1.7824	0.0	-1.3302	1.0000	-1.5042	1
8	-1	2.5241	0.7863	0.3932	0.0	1.7378	1.0000	1.9654	1
8	0	2.4803	2.6271	-1.3135	0.0	0.1468	1.0000	0.1660	1
8	1	4.8598	4.5498	2.2749	0.0	0.3099	1.0000	0.3505	1
8	2	2.4790	1.1804	0.5902	0.0	1.2986	1.0000	1.4687	1
8	3	17.1069	17.2169	-8.6084	0.0	0.1099	1.0000	0.1240	1
8	4	10.0268	9.7919	4.8960	0.0	0.2348	1.0000	0.2654	1
8	5	13.6228	13.6519	6.8259	0.0	-0.0290	1.0000	-0.0328	1
8	6	7.2937	7.4243	3.7122	0.0	-0.1306	1.0000	-0.1476	1
8	7	4.3711	3.4787	1.7393	0.0	0.8924	1.0000	1.0092	1
8	8	21.6732	21.5451	10.7726	0.0	0.3281	1.0000	0.3695	1
8	9	4.4307	3.2569	1.6284	0.0	1.1738	1.0000	1.3274	1

8	10	15.9017	15.9017	-7.9425	0.0	-0.9822	1.0000	-1.1083	1
8	11	15.9017	15.9017	-10.9305	0.0	-0.9857	1.0000	-0.6413	1
8	12	15.9017	15.9017	-7.9417	0.0	-0.9812	1.0000	-0.6333	1
8	13	15.1349	15.3271	-3.1936	0.0	-0.1922	1.0000	-0.7169	1
8	14	7.2107	8.0092	4.0046	0.0	-0.7985	1.0000	-0.9027	1
8	16	3.5235	3.2204	1.6102	0.0	0.3031	1.0000	0.3428	1
8	17	8.5170	8.3022	-4.1511	0.0	-0.2149	1.0000	-0.2429	1
8	18	1.9181	1.9407	-0.9703	0.0	0.0225	1.0000	0.0255	1
8	19	7.4514	7.6500	-3.8250	0.0	0.1986	1.0000	0.2245	1
10	-10	6.6744	5.8041	-2.9020	0.0	-0.8703	1.0000	-0.9840	1
10	-15	4.5036	3.7092	1.8846	0.0	0.7344	1.0000	0.8305	1
10	-14	39.5731	38.4433	-19.2216	0.0	-1.1298	1.0000	-1.2636	1
10	-13	5.5649	4.8874	-2.4437	0.0	-0.6975	1.0000	-0.7837	1
10	-12	3.0626	2.3210	1.4105	0.0	0.2416	1.0000	0.2732	1
10	-11	1.5013	1.0211	-0.5105	0.0	-0.4802	1.0000	-0.5431	1
10	-10	13.5984	13.4119	6.7060	0.0	0.1865	1.0000	0.2106	1
10	-9	7.4897	8.2129	4.1065	0.0	-0.7232	1.0000	-0.8176	1
10	-8	2.7362	2.6773	-1.3366	0.0	-0.0609	1.0000	-0.0689	1
10	-7	2.1377	0.7137	-0.3519	0.0	-1.4339	1.0000	-1.6218	1
10	-6	15.9070	15.9532	-7.9706	0.0	0.1456	1.0000	0.1644	1
10	-5	11.1427	11.4493	-5.7249	0.0	0.3071	1.0000	0.3470	1
10	-4	24.3376	24.0397	12.0198	0.0	0.2980	1.0000	0.3355	1
10	-3	3.5577	3.0580	1.5290	0.0	0.4997	1.0000	0.5651	1
10	-2	3.4697	8.5430	-4.2715	0.0	0.0733	1.0000	0.0828	1
10	-1	5.1057	4.3345	2.1673	0.0	0.7711	1.0000	0.8720	1
10	0	26.1573	25.4970	-12.7485	0.0	-0.6603	1.0000	-0.7428	1
10	1	3.5636	7.4272	-3.7136	0.0	-1.1264	1.0000	-1.2733	1
10	2	33.8368	32.2027	-10.1014	0.0	-1.6340	1.0000	-1.8317	1
10	3	5.4314	3.7084	-1.8842	0.0	-1.6630	1.0000	-1.8805	1
10	4	3.2430	1.4351	0.7425	0.0	1.7579	1.0000	1.9881	1
10	5	6.8299	6.5732	3.2866	0.0	0.2567	1.0000	0.2902	1
10	6	16.6200	16.2895	-8.1448	0.0	-0.3306	1.0000	-0.3731	1
10	7	4.0200	2.9960	1.4980	0.0	1.0241	1.0000	1.1581	1
10	8	12.9085	12.7188	-6.3594	0.0	-0.1897	1.0000	-0.2143	1
10	9	1.7297	0.7024	-0.3512	0.0	-1.0263	1.0000	-1.1608	1
10	10	3.8883	3.9376	-1.9688	0.0	0.0492	1.0000	0.0557	1
10	11	4.3799	2.4313	-1.2159	0.0	-1.9481	1.0000	-2.2031	1
10	12	27.5347	25.9979	12.9990	0.0	1.5369	1.0000	1.7285	1
10	13	3.5410	3.4557	1.7279	0.0	0.0853	1.0000	0.0964	1
10	14	6.9112	6.2959	-3.1480	0.0	-0.6153	1.0000	-0.6956	1
12	-5	15.2125	14.8177	-7.4088	0.0	-0.3949	1.0000	-0.4452	2
12	-4	25.9130	24.8750	-12.4375	0.0	-1.0380	1.0000	-1.1666	2
12	-3	5.9579	4.3505	-2.1753	0.0	-1.6074	1.0000	-1.8149	2
12	-2	31.9772	30.6979	-15.3490	0.0	-1.2792	1.0000	-1.4342	2
12	-1	25.0250	24.8681	12.4341	0.0	0.1569	1.0000	0.1764	2
12	0	8.4325	8.0012	4.0006	0.0	0.4313	1.0000	0.4869	2
12	1	12.6290	11.5769	-5.7884	0.0	-1.0521	1.0000	-1.1869	2
12	2	8.2782	6.2393	-3.1196	0.0	-2.0389	1.0000	-2.3015	2
12	3	13.6567	13.1721	-6.5861	0.0	-0.4845	1.0000	-0.5465	2
1	-26	8.3151	7.5621	3.7810	0.0	0.7530	1.0000	0.8513	1
1	-25	15.0784	14.8927	7.4463	0.0	0.1857	1.0000	0.2097	1
1	-24	15.8632	15.0322	7.5161	0.0	0.8310	1.0000	0.9362	1
1	-23	4.0173	3.3705	1.6853	0.0	0.6467	1.0000	0.7314	1
1	-22	23.6407	22.9543	-11.4774	0.0	-0.6860	1.0000	-0.7725	1
1	-21	14.1741	14.1699	7.0850	0.0	0.0042	1.0000	0.0047	1
1	-20	9.0424	9.5244	4.7622	0.0	-0.4819	1.0000	-0.5447	1
1	-19	6.0970	6.5622	3.2911	0.0	-0.4852	1.0000	-0.5486	1
1	-18	11.3785	11.7734	5.8867	0.0	-0.3949	1.0000	-0.4461	1
1	-17	9.5314	9.1864	4.5932	0.0	0.3451	1.0000	0.3899	1
1	-16	2.0050	0.3310	-0.1655	0.0	-1.6739	1.0000	-1.8932	1
1	-15	17.9144	16.4187	-8.2094	0.0	-1.4957	1.0000	-1.6875	1

1	-14	20.2553	22.7713	-11.5859	0.0	-3.4834	1.0000	-3.9182	1
1	-13	8.7245	8.8922	4.4461	0.0	-0.1677	1.0000	-0.1895	1
1	-12	17.2649	17.0007	6.5004	0.0	0.2842	1.0000	0.3203	1
1	-11	16.7064	16.9000	3.4500	0.0	-0.1917	1.0000	-0.2160	1
1	-10	5.2928	3.6874	-1.6437	0.0	-1.6054	1.0000	-1.8151	1
1	-9	24.5921	24.6942	12.3471	0.0	-0.1021	1.0000	-0.1146	1
1	-8	15.8235	14.4178	7.2089	0.0	1.4117	1.0000	1.5911	1
1	-7	5.3098	1.4075	-0.7038	0.0	-3.9024	1.0000	-4.4119	1
1	-6	32.9913	32.0825	-16.0412	0.0	-0.9088	1.0000	-1.0122	1
1	-5	55.2515	54.8717	27.4359	0.0	0.3798	1.0000	0.4121	1
1	-4	16.1026	16.4153	8.2079	0.0	1.6868	1.0000	1.8983	1
1	-3	35.9343	34.8476	17.4238	0.0	1.0866	1.0000	1.2054	1
1	-2	16.0060	16.3793	8.4397	0.0	1.1287	1.0000	1.2701	1
1	-1	5.4003	3.9708	1.9854	0.0	1.4295	1.0000	1.6160	1
1	0	7.7126	6.3945	-3.1973	0.0	-1.3150	1.0000	-1.4893	1
1	1	17.4559	15.8732	-7.9366	0.0	-1.5827	1.0000	-1.7811	1
1	2	44.7934	41.6203	-20.8102	0.0	-3.1731	1.0000	-3.4817	1
1	3	39.9328	37.7325	18.8663	0.0	2.2003	1.0000	2.4299	1
1	4	55.9546	52.6246	26.3123	0.0	3.3100	1.0000	3.5853	1
1	5	11.5584	10.3387	-5.1683	0.0	-1.2218	1.0000	-1.3790	1
1	6	5.8288	3.6285	-2.8143	0.0	-0.2003	1.0000	-0.2264	1
1	7	9.7317	8.8736	-4.4393	0.0	-0.8531	1.0000	-0.9636	1
1	8	17.7018	17.3668	-8.6634	0.0	-0.3350	1.0000	-0.3773	1
1	9	15.4380	16.1193	8.0596	0.0	-0.6813	1.0000	-0.7682	1
1	10	4.0117	2.0194	1.0097	0.0	1.9923	1.0000	2.2529	1
1	11	41.6176	42.6790	21.3395	0.0	-1.0615	1.0000	-1.1775	1
1	12	31.4060	27.9945	13.9973	0.0	3.4115	1.0000	3.8241	1
1	13	6.5924	0.9232	-0.4616	0.0	-5.6691	1.0000	-6.4095	1
1	14	22.2928	20.4680	-10.2340	0.0	-1.8248	1.0000	-2.0537	1
1	15	14.6665	14.9133	7.4566	0.0	-0.2468	1.0000	-0.2786	1
1	16	2.8707	1.5366	-0.7933	0.0	-1.2841	1.0000	-1.4522	1
1	17	16.6776	17.5383	8.7691	0.0	-0.8607	1.0000	-0.9710	1
1	18	5.7636	5.2800	-2.6400	0.0	-0.4835	1.0000	-0.5467	1
1	19	12.2882	11.8204	5.9102	0.0	0.4677	1.0000	0.5283	1
1	20	11.1259	11.3789	5.6895	0.0	-0.2530	1.0000	-0.2859	1
1	21	9.3126	9.3612	-4.6806	0.0	0.0486	1.0000	0.0549	1
1	22	7.2464	6.6365	-3.3183	0.0	-0.6099	1.0000	-0.6895	1
1	23	5.3562	5.8673	2.9337	0.0	-0.5111	1.0000	-0.5780	1
1	24	3.2510	2.6294	-1.3147	0.0	-0.6216	1.0000	-0.7030	1
1	25	18.3835	17.3946	8.6973	0.0	0.9939	1.0000	1.1199	2
1	26	36.7871	34.6188	17.3094	0.0	2.1683	1.0000	2.4251	2
1	27	3.0619	3.3327	1.6664	0.0	-0.2709	1.0000	-0.3059	2
1	28	25.6576	25.1292	12.5646	0.0	0.5284	1.0000	0.5938	2
1	29	5.0236	4.7107	-2.3554	0.0	-0.3129	1.0000	-0.3533	2
1	30	9.6867	9.9371	-4.9686	0.0	0.2504	1.0000	0.2826	2
1	31	4.6585	4.2337	2.1169	0.0	0.4248	1.0000	0.4797	2
1	32	47.5294	47.6488	23.8244	0.0	-0.1194	1.0000	-0.1323	2
1	33	3.6584	3.3815	1.6907	0.0	0.2770	1.0000	0.3128	2
1	34	39.3386	40.2899	20.1450	0.0	-0.9513	1.0000	-1.0591	2
1	35	6.8613	5.8166	-2.9083	0.0	-1.0447	1.0000	-1.1794	2
1	36	8.5790	7.7924	-3.8962	0.0	-0.7866	1.0000	-0.8879	2
1	37	10.4129	9.3833	-4.6917	0.0	-1.0296	1.0000	-1.1618	2
1	38	39.6915	42.0260	-21.0130	0.0	2.3345	1.0000	2.5915	2
1	39	17.4717	18.2921	9.1461	0.0	-0.8204	1.0000	-0.9232	2
1	40	58.6668	61.2230	30.6115	0.0	-2.5362	1.0000	-2.7560	2
1	41	5.8976	5.1503	-2.5752	0.0	-0.7473	1.0000	-0.8436	2
1	42	26.9501	28.5324	14.2662	0.0	-1.5823	1.0000	-1.7704	2
1	43	8.0372	6.4777	-4.2388	0.0	0.4404	1.0000	0.4970	2
1	44	5.1812	4.7103	-2.3552	0.0	-0.4709	1.0000	-0.5316	2
1	45	5.6569	4.7507	2.3754	0.0	0.9062	1.0000	1.0230	2
1	46	24.9090	23.5138	11.7569	0.0	1.3952	1.0000	1.5621	2

5	13	18.2304	17.9228	8.92914	0.0	-0.3076	1.0000	-0.3458	1
5	14	23.5137	23.6585	11.8292	0.0	-1.0443	1.0000	-1.0504	1
5	15	18.5655	19.7941	9.8970	0.0	-1.2235	1.0000	-1.3853	1
5	16	2.6462	1.6362	-0.8181	0.0	-1.0100	1.0000	-1.1423	1
5	17	11.8571	12.2643	6.1322	0.0	-0.4272	1.0000	-0.4827	1
5	18	2.0331	0.8205	-0.4102	0.0	-1.2126	1.0000	-1.3714	1
5	19	12.7270	12.5321	0.2660	0.0	0.1949	1.0000	0.2202	1
5	20	9.1543	8.0606	-4.0303	0.0	-1.0937	1.0000	-1.2363	1
5	21	4.3922	4.8119	2.4060	0.0	-0.4193	1.0000	-0.4747	1
5	-21	6.8468	6.6450	-3.3225	0.0	-3.2018	1.0000	-0.2282	1
7	-20	1.7438	0.7030	-0.3543	0.0	-1.0353	1.0000	-1.1709	1
7	-19	8.5777	8.7047	-4.3523	0.0	0.1270	1.0000	0.1435	1
7	-18	9.2027	9.2305	-4.6152	0.0	0.0277	1.0000	0.6314	1
7	-17	2.2410	0.6424	0.3212	0.0	1.5936	1.0000	1.8090	1
7	-16	3.0973	2.5210	-1.2605	0.0	-0.5763	1.0000	-0.6518	1
7	-15	14.1330	14.7833	7.3919	0.0	-0.6502	1.0000	-0.7343	1
7	-14	15.3167	15.5479	7.7740	0.0	-0.2313	1.0000	-0.2611	1
7	-13	32.3826	33.3246	-16.6623	0.0	0.9420	1.0000	1.0560	1
7	-12	7.9171	8.2322	-4.1161	0.0	0.3150	1.0000	0.3561	1
7	-11	19.4978	19.9800	-9.9900	0.0	0.4822	1.0000	0.5435	1
7	-10	9.5196	9.4813	-4.7407	0.0	0.9618	1.0000	1.0871	1
7	-9	9.9417	10.2892	-5.1446	0.0	0.3475	1.0000	0.3927	1
7	-8	8.3128	7.5455	3.7728	0.0	0.7673	1.0000	0.8673	1
7	-7	2.6104	1.2861	-0.6431	0.0	-1.3242	1.0000	-1.4976	1
7	-6	12.5421	12.6568	6.3284	0.0	-0.1147	1.0000	-0.1296	1
7	-5	35.4212	36.2325	-18.1162	0.0	0.8113	1.0000	0.9073	1
7	-4	15.6469	10.0155	-8.0077	0.0	0.3686	1.0000	0.4159	1
7	-3	5.3401	4.5558	2.2779	0.0	0.7843	1.0000	0.8868	1
7	-2	1.8658	0.3386	-0.1693	0.0	-1.5271	1.0000	-1.7272	1
7	-1	9.3650	8.8118	4.4059	0.0	0.5532	1.0000	0.6252	1
7	0	7.2168	7.6334	3.8167	0.0	-0.4166	1.0000	-0.4710	1
7	1	8.6949	8.7969	4.3984	0.0	-0.1019	1.0000	-0.1152	1
7	2	4.4732	4.0317	2.0159	0.0	0.4415	1.0000	0.4992	1
7	3	31.1898	30.2652	-15.1326	0.0	-0.9246	1.0000	-1.0364	1
7	4	14.3801	14.5939	-7.2969	0.0	0.2137	1.0000	0.2413	1
7	5	2.3432	0.6178	-0.3085	0.0	-1.7254	1.0000	-1.9514	1
7	6	3.0378	0.8135	-0.4067	0.0	-2.2243	1.0000	-2.5155	1
7	7	11.2547	11.2036	-5.6018	0.0	-0.0511	1.0000	-0.0578	1
7	8	4.6026	3.7258	1.8629	0.0	0.8768	1.0000	0.9915	1
7	9	15.6065	15.6229	-7.8115	0.0	0.0164	1.0000	0.0185	1
7	10	4.8884	3.5216	1.7608	0.0	1.3669	1.0000	1.5457	1
7	11	36.4102	36.4189	-18.2094	0.0	0.0086	1.0000	0.0097	1
7	12	11.6022	12.3049	-6.1524	0.0	0.7027	1.0000	0.7939	1
7	13	4.2919	3.9757	1.9878	0.0	0.3162	1.0000	0.3576	1
7	14	4.5504	4.4902	2.2451	0.0	0.0602	1.0000	0.0681	1
7	15	2.4546	1.2736	0.6368	0.0	1.1810	1.0000	1.3356	1
7	16	8.8110	9.4321	4.7161	0.0	-0.6211	1.0000	-0.7021	1
7	17	3.5320	2.9436	-1.4718	0.0	-0.5884	1.0000	-0.6654	1
7	18	1.8943	0.0803	-0.0404	0.0	-1.8134	1.0000	-2.0510	1
7	19	12.0249	11.9993	-5.9996	0.0	-0.0256	1.0000	-0.0289	1
9	-17	24.9727	24.4365	-12.2183	0.0	-0.5362	1.0000	-0.6029	2
9	-16	3.9474	2.1114	-1.0557	0.0	-1.8360	1.0000	-2.0734	2
9	-15	35.4371	34.4979	-17.2490	0.0	-0.9392	1.0000	-1.0513	2
9	-14	15.3476	15.5920	7.7960	0.0	-0.2444	1.0000	-0.2756	2
9	-13	4.7994	5.1449	2.5725	0.0	-0.3455	1.0000	-0.3901	2
9	-12	4.8598	4.3986	2.1993	0.0	0.4613	1.0000	0.5209	2
9	-11	12.4663	12.7970	6.3985	0.0	-0.3307	1.0000	-0.3730	2
9	-10	25.9197	25.6162	-12.8081	0.0	-0.3035	1.0000	-0.3411	2
9	-9	43.9275	44.0077	-22.0039	0.0	0.0803	1.0000	0.0894	2
9	-8	15.4538	15.3104	7.6552	0.0	-0.1433	1.0000	0.1616	2
9	-7	9.6414	9.0715	-4.5357	0.0	-0.5699	1.0000	-0.6432	2

33		9.7112	9.4650	4.7325	0.0	0.2482	1.0000	0.2778	2
33		12.7377	12.5654	0.2827	0.0	0.2223	1.0000	0.2507	2
33		10.5505	10.8168	-5.3084	0.0	0.0603	1.0000	0.0681	2
33		19.6776	20.6403	-10.3201	0.0	0.9627	1.0000	1.0840	2
33		15.4167	15.3516	-7.6758	0.0	-0.0651	1.0000	-0.0734	2
33		45.1926	46.5403	-23.2701	0.0	1.3477	1.0000	1.4986	2
33		19.0827	19.1685	9.5843	0.0	-0.0857	1.0000	-0.0966	2
33		10.2797	9.3716	-4.9358	0.0	-0.4081	1.0000	-0.4605	2
33		2.4745	0.4829	0.2414	0.0	1.9916	1.0000	2.2492	2
33		12.6046	12.4304	-6.2152	0.0	-0.1742	1.0000	-0.1965	2
33		5.4153	4.8128	-2.4064	0.0	-0.6025	1.0000	-0.6803	2
33		15.1952	14.6639	-7.3320	0.0	-0.5313	1.0000	-0.5989	2
33		12.2625	12.2079	-6.1040	0.0	-0.0546	1.0000	-0.0615	2
33		32.3340	31.1936	-15.5968	0.0	-1.1404	1.0000	-1.2778	2
33		15.7948	15.5119	7.7560	0.0	0.2829	1.0000	0.3189	2
33		3.7257	2.0331	-1.0165	0.0	-1.6926	1.0000	-1.9114	2
33		10.4917	10.4918	5.2459	0.0	-0.0000	1.0000	-0.0001	2
33		10.8266	11.1929	-5.5964	0.0	0.3663	1.0000	0.4134	2
33		12.3573	12.5086	-6.2543	0.0	-0.1508	1.0000	-0.1701	2
33		6.3651	6.7432	-3.3716	0.0	0.3781	1.0000	0.4269	2
11		2.3826	0.6516	-0.3258	0.0	-1.7311	1.0000	-1.9573	1
11		12.6529	12.3478	-6.1739	0.0	-0.3052	1.0000	-0.3447	1
11		12.0696	12.3809	-6.1905	0.0	0.3113	1.0000	0.3517	1
11		7.2795	7.2290	-3.6145	0.0	-0.0505	1.0000	-0.0571	1
11		9.5225	9.4352	4.7176	0.0	0.0872	1.0000	0.0986	1
11		17.4953	17.9885	-8.9943	0.0	0.4932	1.0000	0.5566	1
11		4.3372	2.0652	1.0326	0.0	2.2720	1.0000	2.5693	1
11		9.2512	9.3724	-4.9362	0.0	0.6211	1.0000	0.7021	1
11		2.2023	0.6215	0.3108	0.0	1.5808	1.0000	1.7878	1
11		4.1208	4.7357	-2.5679	0.0	0.6149	1.0000	0.6954	1
11		7.1306	7.0518	-3.5259	0.0	-0.0739	1.0000	-0.0892	1
11		5.6889	4.7399	2.3700	0.0	0.9490	1.0000	1.0731	1
11		10.6083	10.4630	5.2315	0.0	3.1453	1.0000	0.1642	1
11		4.1503	3.8928	-1.9464	0.0	-0.2575	1.0000	-0.2912	1
11		2.7278	1.5413	-0.7707	0.0	-1.1865	1.0000	-1.3419	1
4		8.9259	8.4133	-4.2066	0.0	-0.5126	1.0000	-0.5786	2
4		17.3794	16.2889	8.1445	0.0	1.0904	1.0000	1.2289	2
4		38.3826	37.3492	18.6746	0.0	1.0334	1.0000	1.1543	2
4		10.1890	11.1134	-5.5507	0.0	0.9244	1.0000	1.0431	2
4		18.7665	18.3958	9.1979	0.0	0.3707	1.0000	0.4174	2
4		54.0026	54.9787	27.4894	0.0	-0.9762	1.0000	-1.0752	2
4		63.7785	58.2270	29.1135	0.0	5.5515	1.0000	6.0892	2
4		39.5610	37.1604	-18.5802	0.0	-2.4005	1.0000	-2.6776	2
4		19.5096	19.2826	9.6413	0.0	0.2270	1.0000	0.2552	2
4		52.7866	54.7195	27.3598	0.0	-1.9329	1.0000	-2.1178	2
4		5.3546	2.7717	1.3858	0.0	2.5829	1.0000	2.9161	2
4		58.6252	60.4410	-30.2205	0.0	1.8157	1.0000	1.9737	2
4		79.2182	81.8359	40.9180	0.0	-2.6177	1.0000	-2.7664	2
4		66.0554	65.1982	32.5991	0.0	0.8572	1.0000	0.9220	2
4		10.4614	8.0476	4.0238	0.0	2.4138	1.0000	2.7225	2
4		13.3537	11.4903	5.7452	0.0	1.8633	1.0000	2.1009	2
4		12.2376	12.2678	6.1339	0.0	-0.0302	1.0000	-0.0341	2
4		10.1802	10.7320	-5.3660	0.0	0.5518	1.0000	0.6226	2
4		7.8661	8.7082	-4.3541	0.0	0.8421	1.0000	0.9505	2
4		37.1446	36.5440	18.2720	0.0	0.6007	1.0000	0.6707	2
4		5.7724	5.7772	2.8886	0.0	-0.0048	1.0000	-0.0054	2
4		2.7278	1.5904	-0.7952	0.0	-1.1374	1.0000	-1.2845	2
4		6.4799	6.2274	3.1137	0.0	0.2525	1.0000	0.2855	1
4		8.2796	7.5736	-3.7868	0.0	-0.7060	1.0000	-0.7981	1
4		8.7854	8.7695	4.3848	0.0	0.0159	1.0000	0.0179	1
4		3.2499	2.9700	1.4850	0.0	0.2799	1.0000	0.3166	1

4		-20	0.1339	8.0366	4.0153	0.0	0.1033	1.0000	0.1163	1
4		-19	3.0460	6.5815	0.2907	0.0	2.4646	1.0000	2.7873	1
4		-18	16.9745	16.5732	8.2866	0.0	0.4013	1.0000	0.4529	1
4		-17	12.2547	12.9921	0.4960	0.0	-0.7373	1.0000	-0.8329	1
4		-16	34.3755	36.1351	10.0926	0.0	-1.3097	1.0000	-1.4657	1
4		-15	31.1478	31.4321	-15.7161	0.0	0.2844	1.0000	0.3190	1
4		-14	5.9512	5.2421	2.6210	0.0	0.7092	1.0000	0.8018	1
4		-13	11.0236	10.8747	5.4373	0.0	0.1489	1.0000	0.1683	1
4		-12	3.4385	3.2630	-1.6318	0.0	-0.1949	1.0000	-0.2204	1
4		-11	22.0149	19.9797	9.9899	0.0	2.0352	1.0000	2.2934	1
4		-10	9.1131	7.9562	3.9781	0.0	1.1569	1.0000	1.3076	1
4		-9	14.3892	13.0984	-6.5492	0.0	-1.2908	1.0000	-1.4576	1
4		-8	2.9324	1.1102	0.5551	0.0	1.8222	1.0000	2.0603	1
4		-7	38.3331	34.6949	-17.3475	0.0	-3.6401	1.0000	-4.0679	1
4		-6	26.5670	26.0118	-13.0059	0.0	-0.5552	1.0000	-0.6230	1
4		-5	51.0750	53.3355	26.6673	0.0	-2.2605	1.0000	-2.4860	1
4		-4	14.5429	15.0770	7.5385	0.0	-0.5340	1.0000	-0.6025	1
4		-3	14.5520	13.7198	-6.8599	0.0	-0.8322	1.0000	-0.9389	1
4		-2	27.2641	27.9931	13.9991	0.0	-0.7340	1.0000	-0.8231	1
4		-1	23.9276	23.6293	-11.8146	0.0	-0.3083	1.0000	-0.3464	1
4		0	27.6448	26.6602	13.3301	0.0	0.9845	1.0000	1.1036	1
4		1	10.1606	7.5084	3.7842	0.0	2.5922	1.0000	2.9282	1
4		2	24.0390	23.6127	11.8064	0.0	0.4263	1.0000	0.4788	1
4		3	26.9826	28.2436	14.1218	0.0	0.7390	1.0000	0.8277	1
4		4	37.2291	34.0230	17.0115	0.0	3.2060	1.0000	3.5795	1
4		5	31.4664	28.4997	-14.2495	0.0	-2.9667	1.0000	-3.3249	1
4		6	13.3017	11.7233	5.8616	0.0	1.5785	1.0000	1.7824	1
4		7	9.3164	8.4550	4.2275	0.0	0.8614	1.0000	0.9735	1
4		8	6.3495	5.5704	2.7852	0.0	0.7790	1.0000	0.8808	1
4		9	7.5468	6.7897	-3.3949	0.0	-0.7571	1.0000	-0.8558	1
4		10	12.2508	11.9075	-5.9538	0.0	-0.3432	1.0000	-0.3876	1
4		11	12.7195	12.4055	6.2027	0.0	0.3140	1.0000	0.3546	1
4		12	2.1596	1.1694	-6.5847	0.0	-0.9903	1.0000	-1.1200	1
4		13	9.3088	9.1156	-4.5578	0.0	-0.1932	1.0000	-0.2184	1
4		14	5.2573	5.0569	2.5284	0.0	0.2009	1.0000	0.2271	1
4		15	6.4324	5.9333	-2.9666	0.0	-0.4992	1.0000	-0.5644	1
4		16	7.4920	8.0339	4.0169	0.0	-0.5418	1.0000	-0.6126	1
4		17	4.1863	4.3684	-2.1842	0.0	0.1821	1.0000	0.2059	1
4		18	5.2603	4.6616	2.3308	0.0	0.6187	1.0000	0.6997	1
4		19	18.9891	20.1316	10.0908	0.0	-1.1925	1.0000	-1.3451	1
4		20	21.5469	22.1683	11.0842	0.0	-0.6214	1.0000	-0.7004	1
4		21	15.6825	15.3350	-7.6675	0.0	-0.3475	1.0000	-0.3923	1
4		22	11.7641	11.0866	-5.5433	0.0	-0.6775	1.0000	-0.7656	1
4		23	2.3963	1.5601	-0.7801	0.0	-0.8362	1.0000	-0.9457	1
4		24	6.9525	6.4850	3.2425	0.0	0.4674	1.0000	0.5285	1
4		25	3.0733	3.5231	-1.7616	0.0	0.4499	1.0000	0.5088	1
4		26	4.7400	4.4850	2.2425	0.0	0.2551	1.0000	0.2384	1
4		27	15.3181	15.8871	-7.9435	0.0	0.5689	1.0000	0.6423	1
4		28	3.6183	3.6270	-1.8135	0.0	0.0087	1.0000	0.0098	1
4		29	24.7678	25.3621	-12.6811	0.0	0.5944	1.0000	0.6688	1
4		30	16.1147	16.8996	-8.4498	0.0	0.7848	1.0000	0.8857	1
4		31	17.4758	17.4778	8.7389	0.0	-0.0020	1.0000	-0.0023	1
4		32	15.4014	16.2378	8.1189	0.0	-0.8363	1.0000	-0.9439	1
4		33	7.3223	7.3582	-3.6791	0.0	0.0359	1.0000	0.0406	1
4		34	2.0570	2.0380	1.0190	0.0	0.0189	1.0000	0.0214	1
4		35	12.6039	11.8862	-5.9431	0.0	-0.7176	1.0000	-0.8105	1
4		36	8.2249	8.9688	-4.4844	0.0	0.7439	1.0000	0.8409	1
4		37	12.9475	11.5252	-5.7626	0.0	-1.4223	1.0000	-1.6066	1
4		38	11.1659	10.3399	-5.1700	0.0	-0.8260	1.0000	-0.9333	1
4		39	12.3983	11.1415	5.5708	0.0	1.2568	1.0000	1.4197	1
4		40	20.0354	20.2069	10.1034	0.0	2.8286	1.0000	3.1857	1

4	4	-4	31.0209	27.1313	-13.5656	0.0	-3.8896	1.0000	-4.3656	1
4	4	-3	9.0341	8.0440	-4.0220	0.0	-1.0401	1.0000	-1.1756	1
4	4	-2	23.8432	21.6192	-10.8096	0.0	-2.2240	1.0000	-2.5039	1
4	4	-1	5.8943	5.1544	-2.5772	0.0	-0.7399	1.0000	-0.8366	1
4	4	0	30.0999	27.5515	-13.7758	0.0	-2.5484	1.0000	-2.8606	1
4	4	1	9.5789	7.8061	-3.9030	0.0	-1.7728	1.0000	-2.0034	1
4	4	2	10.7842	9.4442	4.7221	0.0	1.3400	1.0000	1.5140	1
4	4	3	22.0738	19.9467	9.9734	0.0	2.1271	1.0000	2.3956	1
4	4	4	23.6906	21.6661	-10.8330	0.0	-2.0245	1.0000	-2.2789	1
4	4	5	3.0854	2.7841	-1.5920	0.0	-0.3013	1.0000	-0.3407	1
4	4	6	14.7971	14.7384	-7.3692	0.0	-0.0587	1.0000	-0.0662	1
4	4	7	8.6806	9.0729	-4.5365	0.0	0.3923	1.0000	0.4433	1
4	4	8	1.6771	0.1124	-0.0562	0.0	-1.5647	1.0000	-1.7697	1
4	4	9	5.6957	5.5667	-2.7834	0.0	-0.1290	1.0000	-0.1458	1
4	4	10	16.5913	16.7182	8.3591	0.0	-0.1268	1.0000	-0.1431	1
4	4	11	21.0197	20.9312	10.4656	0.0	0.0885	1.0000	0.0997	1
4	4	12	29.2148	29.6017	-14.8008	0.0	0.3869	1.0000	0.4343	1
4	4	13	16.0387	16.6996	-8.3498	0.0	0.6609	1.0000	0.7458	1
4	4	14	7.9628	8.6676	-4.3338	0.0	0.7048	1.0000	0.7967	1
4	4	15	11.5743	12.2233	-6.1116	0.0	0.6489	1.0000	0.7332	1
4	4	16	2.6785	2.3738	-1.1869	0.0	-0.3047	1.0000	-0.3446	1
4	4	17	8.8292	8.9150	4.4575	0.0	-0.0858	1.0000	-0.0970	1
4	4	18	7.0388	6.9036	-3.4518	0.0	-0.1352	1.0000	-0.1528	1
4	4	19	10.1514	10.4471	5.2235	0.0	-0.2957	1.0000	-0.3341	1
4	4	20	22.2753	22.3241	-11.1621	0.0	0.0488	1.0000	0.0550	1
4	4	6	26.3140	25.4722	-12.7361	0.0	-0.8418	1.0000	-0.9462	2
4	4	6	15.9800	15.7615	7.8807	0.0	0.2186	1.0000	0.2464	2
4	4	6	15.6220	15.6981	7.8490	0.0	-0.0761	1.0000	-0.0858	2
4	4	6	10.3319	10.2662	-5.1331	0.0	-0.0656	1.0000	-0.0741	2
4	4	6	17.2631	17.5110	-8.7555	0.0	0.2479	1.0000	0.2793	2
4	4	6	9.7892	9.6059	-4.8030	0.0	-0.1833	1.0000	-0.2069	2
4	4	6	39.7455	39.4952	-19.7476	0.0	-0.2503	1.0000	-0.2793	2
4	4	6	6.3330	5.7847	2.8924	0.0	0.5483	1.0000	0.6191	2
4	4	6	27.8098	28.5543	-14.2771	0.0	0.7445	1.0000	0.8354	2
4	4	6	12.3708	12.6261	6.3131	0.0	-0.2553	1.0000	-0.2880	2
4	4	6	10.4837	11.2081	5.6040	0.0	-0.7244	1.0000	-0.8174	2
4	4	6	14.5559	14.9992	-7.4996	0.0	0.4432	1.0000	0.4996	2
4	4	6	22.0194	22.7006	-11.3503	0.0	0.6812	1.0000	0.7661	2
4	4	6	2.2928	0.6061	-0.3031	0.0	-1.6867	1.0000	-1.9049	2
4	4	6	30.6864	30.1356	-15.0678	0.0	-0.5509	1.0000	-0.6171	2
4	4	6	6.1206	4.6407	2.3203	0.0	1.4800	1.0000	1.6709	2
4	4	6	15.8955	15.8009	-7.9004	0.0	-0.0946	1.0000	-0.1066	2
4	4	6	11.0953	10.8875	5.4437	0.0	0.2079	1.0000	0.2345	2
4	4	6	29.1275	29.1347	14.5674	0.0	-0.0072	1.0000	-0.0081	2
4	4	6	19.3388	19.1923	-9.5962	0.0	-0.1465	1.0000	-0.1649	2
4	4	6	34.3398	33.8868	-16.9434	0.0	-0.4530	1.0000	-0.5063	2
4	4	6	3.4584	1.4383	-0.7191	0.0	-2.0201	1.0000	-2.2813	2
4	4	6	49.7121	50.1808	-25.0904	0.0	0.4687	1.0000	0.5181	2
4	4	6	12.8125	12.5578	6.2789	0.0	0.2547	1.0000	0.2872	2
4	4	6	10.5984	11.2668	-5.6334	0.0	0.6683	1.0000	0.7540	2
4	4	6	4.6909	5.2728	2.6364	0.0	-0.5819	1.0000	-0.6570	2
4	4	6	8.1167	8.3454	4.1727	0.0	-0.2287	1.0000	-0.2582	2
4	4	6	21.0868	21.4229	-10.7115	0.0	0.3362	1.0000	0.3782	2
4	4	6	61.2480	62.5829	-31.2914	0.0	1.3349	1.0000	1.4622	2
4	4	6	13.3814	12.8879	6.4440	0.0	0.4935	1.0000	0.5565	2
4	4	6	25.1755	25.0845	-12.5423	0.0	-0.0910	1.0000	-0.1022	2
4	4	6	6.4539	6.8260	3.4130	0.0	-0.3721	1.0000	-0.4201	2
4	4	6	13.9498	15.3728	7.6864	0.0	-1.4230	1.0000	-1.6047	2
4	4	6	8.3343	8.2769	-4.1385	0.0	-0.0573	1.0000	-0.0647	2
4	4	6	1.8627	0.8743	0.4372	0.0	0.9884	1.0000	1.1163	2
4	4	6	8.4019	9.0360	-4.5180	0.0	0.6341	1.0000	0.7158	2

4	0	16	35.2437	35.2462	-17.6231	0.0	0.0054	1.0300	0.0061	2
4	0	17	9.7094	9.4477	-4.7239	0.0	0.2616	1.0000	0.2952	1
4	0	-16	16.1756	16.0446	-8.0223	0.0	-0.1340	1.0000	-0.1512	1
4	0	-15	20.4377	19.6803	9.8401	0.0	0.7574	1.0000	0.8540	1
4	0	-14	19.1906	17.6691	-8.8346	0.0	-0.5214	1.0000	-0.5884	1
4	0	-13	9.8661	9.8941	-4.9471	0.0	0.0280	1.0000	0.0317	1
4	0	-12	4.1953	2.9594	1.4797	0.0	1.2359	1.0000	1.3977	1
4	0	-11	6.1198	5.2068	-2.6034	0.0	-0.9130	1.0000	-1.0323	1
4	0	-10	4.5404	3.6321	1.8161	0.0	0.9083	1.0000	1.0271	1
4	0	-9	7.3147	7.4950	3.7478	0.0	-0.1809	1.0000	-0.2045	1
4	0	-8	2.2170	1.6936	0.8468	0.0	0.5234	1.0000	0.5919	1
4	0	-7	12.8446	13.2207	6.6104	0.0	-0.3759	1.0000	-0.4246	1
4	0	-6	4.6202	3.7985	1.8993	0.0	0.6217	1.0000	0.9292	1
4	0	-5	23.3263	23.1308	-11.5654	0.0	-0.2555	1.0000	-0.2878	1
4	0	-4	5.6665	4.6285	2.3143	0.0	1.0379	1.0000	1.1736	1
4	0	-3	5.2085	5.0076	2.5038	0.0	0.2009	1.0000	0.2272	1
4	0	-2	15.5383	15.2786	-7.6393	0.0	-0.2597	1.0000	-0.2931	1
4	0	-1	4.8683	2.9370	1.4685	0.0	1.9313	1.0000	2.1840	1
4	0	0	21.5077	21.3303	-10.6652	0.0	-0.1774	1.0000	-0.1999	1
4	0	1	0.7690	4.8343	2.4174	0.0	1.9342	1.0000	2.1869	1
4	0	2	21.4934	22.0364	-11.0182	0.0	0.5430	1.0000	0.6119	1
4	0	3	13.5526	13.5448	-6.7724	0.0	-0.0078	1.0000	-0.0088	1
4	0	4	11.0483	11.3250	-5.6625	0.0	0.2767	1.0000	0.3127	1
4	0	5	9.0032	8.4697	4.2349	0.0	0.5335	1.0000	0.6030	1
4	0	6	14.5165	14.3740	-7.1970	0.0	-0.1225	1.0000	-0.1384	1
4	0	7	4.0198	2.9957	1.4979	0.0	1.0241	1.0000	1.1581	1
4	0	8	5.3953	5.2753	-2.6377	0.0	-0.1200	1.0000	-0.1357	1
4	0	9	7.5957	7.8264	3.9132	0.0	0.2307	1.0000	0.2608	1
4	0	10	8.7580	7.9716	3.9858	0.0	0.7864	1.0000	0.8889	1
4	0	11	15.1190	15.2565	-7.6283	0.0	0.1375	1.0000	0.1552	1
4	0	12	9.0234	9.2664	4.6332	0.0	-0.2430	1.0000	-0.2747	1
4	0	13	0.9481	6.6166	3.3083	0.0	0.3315	1.0000	0.3747	1
4	10	-9	8.4625	6.5283	4.2644	0.0	-0.0663	1.0000	-0.0750	1
4	10	-8	14.7788	14.8143	7.4072	0.0	-0.0355	1.0000	-0.0401	1
4	10	-7	1.9663	1.2490	0.6245	0.0	0.7192	1.0000	0.8135	1
4	10	-6	6.9561	7.1161	-3.5581	0.0	0.1600	1.0000	0.1809	1
4	10	-5	7.0950	7.1677	-3.5838	0.0	0.0727	1.0000	0.0822	1
4	10	-4	22.0292	22.4238	11.2119	0.0	-0.3946	1.0000	-0.4447	1
4	10	-3	2.9221	1.5733	0.7867	0.0	1.3488	1.0000	1.5254	1
4	10	-2	17.8163	18.1777	9.0889	0.0	-0.3615	1.0000	-0.4079	1
4	10	-1	4.1289	4.9950	2.4975	0.0	-0.8661	1.0000	-0.9795	1
4	10	0	5.9092	5.4609	2.7304	0.0	0.4483	1.0000	0.5070	1
4	10	1	2.9562	2.1384	-1.0692	0.0	-0.8178	1.0000	-0.9249	1
4	10	2	13.5237	13.6983	-6.8492	0.0	0.1747	1.0000	0.1973	1
4	10	3	6.8191	6.7524	-3.3762	0.0	-0.0666	1.0000	-0.0753	1
4	10	4	10.3370	10.7897	5.3948	0.0	-0.4526	1.0000	-0.5115	1
4	10	5	3.0108	3.1895	1.5947	0.0	-0.1786	1.0000	-0.2020	1
4	10	6	3.4539	3.2482	1.6241	0.0	0.2057	1.0000	0.2326	1
5	1	-21	2.6236	2.6313	1.3157	0.0	-0.0077	1.0000	-0.0087	1
5	1	-20	2.5405	3.4063	-1.7032	0.0	0.8659	1.0000	0.9793	1
5	1	-19	6.1761	6.0543	3.0272	0.0	0.1217	1.0000	0.1377	1
5	1	-18	6.6197	6.8092	3.4046	0.0	-0.1896	1.0000	-0.2143	1
5	1	-17	3.5923	3.4721	-1.7361	0.0	-0.1202	1.0000	-0.1359	1
5	1	-16	11.2377	11.5419	5.7710	0.0	-0.3042	1.0000	-0.3438	1
5	1	-15	22.7411	23.4646	-11.7323	0.0	0.7235	1.0000	0.8150	1
5	1	-14	21.6682	22.7546	-11.3773	0.0	1.0863	1.0000	1.2238	1
5	1	-13	10.2513	10.8396	-5.4198	0.0	0.5883	1.0000	0.6648	1
5	1	-12	5.4497	4.9871	2.4935	0.0	0.4626	1.0000	0.5230	1
5	1	-11	18.3310	19.5531	-9.7765	0.0	1.2220	1.0000	1.3780	1
5	1	-10	6.7351	6.8581	3.4290	0.0	-0.1230	1.0000	-0.1391	1
5	1	-9	9.2902	9.3233	-4.6616	0.0	0.0331	1.0000	0.0374	1

1	1	5.4162	22.0323	-2.5161	0.0	0.3340	1.0000	0.4342	1
1	1	22.8537	22.0914	-11.4985	0.0	0.0321	1.0000	0.1082	1
1	1	21.6893	21.7502	-10.8751	0.0	0.0604	1.0000	0.0680	1
1	1	1.0807	1.3301	0.6951	0.0	0.2956	1.0000	0.3355	1
1	1	3.6409	10.3001	5.1500	0.0	-0.4592	1.0000	-0.5189	1
1	1	3.3245	8.6304	4.3152	0.0	-0.3056	1.0000	-0.3454	1
1	1	5.3805	4.8573	2.4298	0.0	0.5209	1.0000	0.5958	1
1	1	4.2269	4.3349	2.1675	0.0	-0.1081	1.0000	-0.1222	1
1	1	3.4160	3.1644	1.5822	0.0	0.2517	1.0000	0.2846	1
1	1	23.8320	23.0903	-11.6452	0.0	-0.1416	1.0000	-0.1593	1
1	1	23.2000	27.2662	-13.6331	0.0	-0.9338	1.0000	-1.0482	1
1	1	4.7704	2.8130	1.4065	0.0	1.9574	1.0000	2.2134	1
1	1	16.8229	15.9031	7.9541	0.0	0.9149	1.0000	1.0319	1
1	1	14.7202	14.0901	-7.3451	0.0	-0.0301	1.0000	-0.0340	1
1	1	9.2299	9.1095	4.5547	0.0	0.1204	1.0000	0.1360	1
1	1	24.7842	25.1324	-12.5912	0.0	0.3982	1.0000	0.4478	1
1	1	8.0941	7.3137	-3.6568	0.0	-0.7805	1.0000	-0.8822	1
1	1	25.8908	26.6556	-13.3273	0.0	0.7548	1.0000	0.8598	1
1	1	14.2847	14.9555	-7.4777	0.0	0.6708	1.0000	0.7573	1
1	1	3.1105	2.2222	1.1111	0.0	0.8883	1.0000	1.0046	1
1	1	25.4700	25.9262	12.9631	0.0	-0.4562	1.0000	-0.5132	1
1	1	5.9189	6.1507	-0.2318	0.0	0.2318	1.0000	0.2621	1
1	1	4.7121	5.0513	-2.5259	0.0	0.3397	1.0000	0.3842	1
1	1	3.5739	3.9411	-1.9706	0.0	0.3672	1.0000	0.4153	1
1	1	10.6225	11.2847	-5.6424	0.0	0.6622	1.0000	0.7483	1
1	1	4.1928	4.7286	-2.3643	0.0	0.5358	1.0000	0.6059	1
1	1	3.4291	2.5329	-1.2665	0.0	-0.8962	1.0000	-1.0135	1
1	1	6.9442	6.8971	-3.4485	0.0	0.0471	1.0000	0.0532	1
1	1	5.6720	5.1241	-2.5620	0.0	-0.5479	1.0000	-0.6187	1
1	1	36.6856	36.2623	-16.1311	0.0	-0.4233	1.0000	-0.4736	1
1	1	7.9092	8.0585	4.0292	0.0	-0.1493	1.0000	-0.1685	1
1	1	6.4041	6.3448	-3.1724	0.0	-0.0593	1.0000	-0.0670	1
1	1	2.2752	1.0387	-0.5194	0.0	-1.2365	1.0000	-1.3964	1
1	1	13.9818	15.0678	7.5339	0.0	-1.0860	1.0000	-1.2247	1
1	1	4.3360	4.3002	-2.1801	0.0	0.0241	1.0000	0.0273	1
1	1	18.3506	18.0697	-9.0349	0.0	-0.2809	1.0000	-0.3164	1
1	1	4.7733	3.1078	-1.5539	0.0	-1.6655	1.0000	-1.8807	1
1	1	62.8621	66.8893	-33.4447	0.0	4.0073	1.0000	4.3849	1
1	1	7.8157	7.4677	3.7338	0.0	0.3481	1.0000	0.3929	1
1	1	6.5992	6.6789	3.3395	0.0	-0.0797	1.0000	-0.0900	1
1	1	2.7858	2.3418	-1.1709	0.0	-0.4439	1.0000	-0.5013	1
1	1	5.3827	5.2524	-2.6262	0.0	-0.1303	1.0000	-0.1471	1
1	1	4.9769	3.1628	-1.5814	0.0	-1.8141	1.0000	-2.0483	1
1	1	43.0386	45.1036	-22.5518	0.0	2.0650	1.0000	2.2953	1
1	1	3.7540	1.7675	-0.8838	0.0	-1.9865	1.0000	-2.2432	1
1	1	38.3318	40.8276	-20.4138	0.0	2.4957	1.0000	2.7826	1
1	1	9.6984	9.2074	4.6037	0.0	0.4910	1.0000	0.5541	1
1	1	27.0011	28.8331	14.4165	0.0	-1.8320	1.0000	-2.0556	1
1	1	6.8440	6.4099	-3.2050	0.0	-0.4380	1.0000	-0.4945	1
1	1	10.9732	9.9024	-4.9512	0.0	-1.0708	1.0000	-1.2080	1
1	1	3.9114	3.4497	-1.7249	0.0	-0.4617	1.0000	-0.5213	1
1	1	29.1676	28.6825	-14.3413	0.0	-0.4851	1.0000	-0.5436	1
1	1	2.2147	0.5652	0.2826	0.0	1.6496	1.0000	1.8629	1
1	1	33.0211	32.9501	-16.4751	0.0	-0.0710	1.0000	-0.0794	1
1	1	5.4078	5.1979	2.5990	0.0	0.2099	1.0000	0.2370	1
1	1	13.2566	13.8626	6.9313	0.0	-0.6060	1.0000	-0.6833	1
1	1	5.4109	4.7088	-2.3544	0.0	-0.7021	1.0000	-0.7928	1
1	1	25.0492	24.7422	-12.3711	0.0	-0.3070	1.0000	-0.3449	1
1	1	3.1084	0.5325	0.2663	0.0	2.5759	1.0000	2.9089	1
1	1	46.3113	46.8587	-23.4294	0.0	0.5473	1.0000	0.6078	1
1	1	24.6827	25.2895	-12.6448	0.0	0.6068	1.0000	0.6821	1

14	5.9810	28.2627	3.1313	0.0	-0.2817	1.0000	-0.3181	2
15	21.7004	22.4383	11.2194	0.0	-0.7384	1.0000	-0.8310	2
16	5.0521	4.3685	-2.1843	0.0	-0.6836	1.0000	-0.7719	2
17	26.3595	25.7674	-2.8337	0.0	-0.5921	1.0000	-0.6653	2
-19	5.7251	5.5410	2.7705	0.0	0.1820	1.0000	0.2059	1
-18	8.9415	9.1020	-4.5513	0.0	0.1611	1.0000	0.1821	1
-17	4.4820	4.0407	2.0203	0.0	0.4419	1.0000	0.4997	1
-16	11.9506	12.2803	-0.1441	0.0	0.2917	1.0000	0.3296	1
-15	15.0818	15.3805	-7.6903	0.0	0.2937	1.0000	0.3373	1
-14	22.8070	22.4185	11.2092	0.0	0.2506	1.0000	0.2823	1
-13	22.7853	22.3509	-11.4484	0.0	0.1106	1.0000	0.1246	1
-12	9.3187	9.2946	-4.6473	0.0	-0.0244	1.0000	-0.0276	1
-11	17.1488	17.9728	-3.9864	0.0	0.8240	1.0000	0.9299	1
-10	5.3515	4.7224	-2.3662	0.0	-0.6192	1.0000	-0.7002	1
-9	10.3162	10.8920	-8.4460	0.0	0.5758	1.0000	0.6499	1
-8	2.5611	0.1959	-0.0979	0.0	-2.3652	1.0000	-2.6750	1
-7	13.9200	14.8851	-7.4425	0.0	0.9051	1.0000	1.0219	1
-6	15.9739	16.6851	8.3426	0.0	-0.7112	1.0000	-0.8027	1
-5	2.8770	2.4322	-1.2161	0.0	-0.4447	1.0000	-0.5030	1
-4	9.9873	10.2144	-5.1072	0.0	0.2272	1.0000	0.2567	1
-3	11.5845	11.6513	5.8259	0.0	-0.0673	1.0000	-0.0761	1
-2	3.4859	2.8318	1.4159	0.0	0.6541	1.0000	0.7397	1
-1	11.8259	12.7493	6.3745	0.0	-0.9234	1.0000	-1.0431	1
0	8.4582	9.1566	-4.5783	0.0	0.6985	1.0000	0.7895	1
1	4.6239	4.8416	-2.4203	0.0	0.2177	1.0000	0.2462	1
2	16.6331	17.4291	3.7145	0.0	-0.7960	1.0000	-0.8991	1
3	9.1853	9.6279	-4.8139	0.0	0.4426	1.0000	0.5002	1
4	9.4244	9.0031	-4.5016	0.0	-0.4213	1.0000	-0.4761	1
5	8.4742	8.5434	-4.2717	0.0	0.0692	1.0000	0.0782	1
6	7.2325	6.8291	-3.4145	0.0	-0.4034	1.0000	-0.4561	1
7	24.5939	24.9293	-12.4647	0.0	0.3353	1.0000	0.3774	1
8	4.3183	1.0233	-0.5116	0.0	-3.2950	1.0000	-3.7262	1
9	29.5067	29.1420	-14.5710	0.0	-0.3647	1.0000	-0.4097	1
10	19.4810	19.9035	9.9518	0.0	-0.4225	1.0000	-0.4765	1
11	7.5422	7.4860	-3.7430	0.0	-0.0562	1.0000	-0.0636	1
12	16.4829	17.1500	-8.5750	0.0	0.6671	1.0000	0.7529	1
13	1.7871	1.5088	-0.7544	0.0	-0.2783	1.0000	-0.3147	1
14	1.5272	0.3029	-0.1515	0.0	-1.2243	1.0000	-1.3847	1
15	3.0471	2.7843	-1.3922	0.0	-0.2628	1.0000	-0.2972	1
-15	18.3836	18.9880	9.4940	0.0	-0.6044	1.0000	-0.6819	1
-14	7.1482	7.9487	3.9744	0.0	-0.8005	1.0000	-0.9051	1
-13	3.5436	3.9330	1.9665	0.0	-0.3894	1.0000	-0.4404	1
-12	2.2120	1.7666	-0.8833	0.0	-0.4454	1.0000	-0.5037	1
-11	1.9415	1.8556	0.9278	0.0	0.0859	1.0000	0.0971	1
-10	2.0324	1.7395	-0.8698	0.0	-0.2928	1.0000	-0.3312	1
-9	4.5682	4.4207	-2.2103	0.0	-0.1476	1.0000	-0.1669	1
-8	4.2212	3.8812	-1.9406	0.0	-0.3401	1.0000	-0.3846	1
-7	24.0003	24.5789	12.2894	0.0	-0.5786	1.0000	-0.6516	1
-6	10.8659	11.4311	5.7155	0.0	-0.5652	1.0000	-0.6387	1
-5	3.9653	4.1093	-2.0347	0.0	0.1440	1.0000	0.1629	1
-4	1.4225	0.2259	0.1129	0.0	1.1967	1.0000	1.3535	1
-3	5.9571	6.2119	-3.1059	0.0	0.2548	1.0000	0.2881	1
-2	9.9843	10.4338	-5.2169	0.0	0.4495	1.0000	0.5081	1
-1	14.8995	15.2022	7.6011	0.0	-0.3027	1.0000	-0.3418	1
0	4.0374	3.9171	1.9586	0.0	0.1203	1.0000	0.1360	1
1	31.8443	31.8907	15.9454	0.0	-0.0464	1.0000	-0.0521	1
2	17.0499	17.6474	8.8237	0.0	-0.5974	1.0000	-0.6741	1
3	15.4177	15.3789	-7.6894	0.0	-0.0388	1.0000	-0.0438	1
4	14.7966	14.8603	-7.4302	0.0	0.0637	1.0000	0.0719	1
5	10.4801	10.6296	5.3148	0.0	-0.1495	1.0000	-0.1690	1
6	5.7136	5.3205	-2.6663	0.0	-0.3931	1.0000	-0.4445	1

7	7	20.2532	20.5600	10.2800	0.0	-0.3068	1.0000	-0.3453	1
7	7	11.3480	12.2375	8.1188	0.0	-0.8895	1.0000	-1.0050	1
7	9	5.3684	4.8540	2.4270	0.0	0.5144	1.0000	0.5817	1
7	11	14.1486	14.0772	-7.3386	0.0	0.5286	1.0000	0.5969	1
9	-5	11.4584	11.4911	5.7455	0.0	-0.0326	1.0000	-0.0368	2
9	-4	24.8643	25.2039	12.6020	0.0	-0.3396	1.0000	-0.3318	2
9	-3	6.2593	4.5349	2.2674	0.0	1.7244	1.0000	1.9470	2
9	-2	35.4404	35.7308	17.8654	0.0	-0.2903	1.0000	-0.3250	2
9	-1	19.0627	19.5216	-9.7608	0.0	0.4589	1.0000	0.5170	2
9	0	10.4359	11.4323	-5.7162	0.0	0.9965	1.0000	1.1245	2
9	1	10.2333	10.6642	5.0321	0.0	0.1691	1.0000	0.1903	2
9	1	5.6081	4.7063	2.3532	0.0	0.9018	1.0000	1.0182	2
9	2	9.7720	9.9905	4.9953	0.0	-0.2185	1.0000	-0.2466	2
0	-16	15.1744	15.5466	-7.7733	0.0	0.3722	1.0000	0.4196	2
0	-14	6.8086	6.3438	3.1719	0.0	0.4648	1.0000	0.5248	2
0	-12	5.6073	4.9151	2.4575	0.0	0.6927	1.0000	0.7821	2
0	-10	36.1796	36.1712	-18.0856	0.0	-0.0084	1.0000	-0.0094	2
0	-6	19.9193	20.0802	-10.0401	0.0	0.1609	1.0000	0.1812	2
0	-6	12.8935	13.6390	-6.8195	0.0	0.7455	1.0000	0.8409	2
0	-4	2.7910	1.2124	0.6062	0.0	1.5737	1.0000	1.7828	2
0	-2	52.2162	55.1388	-27.5694	0.0	2.9226	1.0000	3.2328	2
0	0	24.0998	25.1703	-12.5852	0.0	1.0705	1.0000	1.2034	2
0	2	19.2966	18.7866	9.3933	0.0	0.5100	1.0000	0.5742	2
0	4	6.1611	1.7559	-0.8779	0.0	-4.4053	1.0000	-4.9737	2
0	6	57.9205	56.2398	-29.1449	0.0	0.3693	1.0000	0.4065	2
0	8	16.5498	16.2488	8.1244	0.0	0.3010	1.0000	0.3392	2
0	10	11.1198	11.7688	5.8844	0.0	-0.6490	1.0000	-0.7322	2
0	12	33.7472	37.9214	-18.9607	0.0	-0.8258	1.0000	-0.9224	2
0	-17	3.4345	3.3642	1.6821	0.0	0.0703	1.0000	0.0795	1
0	-16	10.7837	10.7456	5.3728	0.0	0.0381	1.0000	0.0431	1
0	-15	14.7608	14.3472	-7.1736	0.0	-0.4135	1.0000	-0.4670	1
0	-14	6.8699	6.6006	3.3003	0.0	0.2693	1.0000	0.3045	1
0	-13	8.3078	8.6312	4.3156	0.0	-0.3234	1.0000	-0.3655	1
0	-12	4.1138	3.9421	-1.9711	0.0	-0.1717	1.0000	-0.1942	1
0	-11	3.3372	1.9899	0.9949	0.0	1.3474	1.0000	1.5238	1
0	-10	10.6046	11.4763	-5.7382	0.0	0.8717	1.0000	0.9851	1
0	-9	3.9608	3.5807	1.7904	0.0	0.3801	1.0000	0.4299	1
0	-8	4.7719	4.7577	-2.3789	0.0	-0.0142	1.0000	-0.0160	1
0	-7	14.9057	16.1297	-8.0649	0.0	1.2241	1.0000	1.3821	1
0	-6	24.2640	24.8223	-12.4112	0.0	0.5584	1.0000	0.6287	1
0	-5	12.1488	11.4328	5.7164	0.0	0.7160	1.0000	0.8088	1
0	-4	27.7355	28.4139	-14.2069	0.0	0.6783	1.0000	0.7627	1
0	-3	6.0524	4.7584	2.3792	0.0	1.2940	1.0000	1.4632	1
0	-2	12.0836	12.6512	-6.3256	0.0	0.5676	1.0000	0.6412	1
0	-1	2.0559	0.1696	-0.0848	0.0	-1.8863	1.0000	-2.1333	1
0	0	6.3592	6.1113	3.0557	0.0	0.2478	1.0000	0.2811	1
0	1	17.3984	18.1766	-9.0883	0.0	0.7782	1.0000	0.8779	1
0	2	7.3286	7.0113	-3.5057	0.0	-0.3173	1.0000	-0.3587	1
0	3	20.9617	21.3299	10.6650	0.0	-0.3682	1.0000	-0.4149	1
0	4	2.9837	2.3313	1.1656	0.0	0.6524	1.0000	0.7379	1
0	5	3.1596	2.5932	1.2966	0.0	0.5664	1.0000	0.6406	1
0	6	11.5725	11.2158	5.6079	0.0	0.3567	1.0000	0.4030	1
0	7	10.1559	9.0074	-4.5037	0.0	-1.1484	1.0000	-1.2978	1
0	8	3.7281	2.2414	1.1207	0.0	1.4867	1.0000	1.6813	1
0	9	7.5059	6.7323	-3.3661	0.0	-0.7737	1.0000	-0.8747	1
0	10	22.2942	21.9832	-10.9916	0.0	-0.3110	1.0000	-0.3505	1
0	11	21.4883	20.9719	10.4860	0.0	0.5164	1.0000	0.5820	1
0	12	13.2669	13.1216	-6.5608	0.0	-0.1453	1.0000	-0.1641	1
4	-15	14.4663	14.6490	-7.3245	0.0	0.1827	1.0000	0.2063	1
6	4	6.1733	5.8621	2.9311	0.0	0.3112	1.0000	0.3518	1
6	4	3.4210	3.6301	1.8151	0.0	-0.2091	1.0000	-0.2365	1

0	4	-12	15.3006	15.6567	7.3293	0.0	-0.3519	1.0000	-0.3973	1
0	4	-11	11.6995	12.5401	6.2701	0.0	-0.3406	1.0000	-0.3498	1
0	4	-10	3.5732	3.6162	1.8081	0.0	-0.0430	1.0000	-0.0486	1
0	4	-9	4.1335	3.1854	-1.5927	0.0	-0.9534	1.0000	-1.0782	1
0	4	-8	8.5774	8.1810	-4.0905	0.0	-0.3965	1.0000	-0.4482	1
0	4	-7	17.1763	17.7029	-8.8515	0.0	0.5266	1.0000	0.5943	1
0	4	-6	31.6711	32.4602	16.2301	0.0	-0.7892	1.0000	-0.8861	1
0	4	-5	19.2519	20.4075	10.2037	0.0	-1.1555	1.0000	-1.3033	1
0	4	-4	3.3997	9.4926	4.7463	0.0	-0.0929	1.0000	-0.1050	1
0	4	-3	3.4331	2.3736	1.1868	0.0	1.0595	1.0000	1.1982	1
0	4	-2	2.1791	0.7282	-0.3641	0.0	-1.4509	1.0000	-1.6409	1
0	4	-1	13.0192	14.1477	-7.0739	0.0	1.1285	1.0000	1.2748	1
0	4	0	3.7312	3.3264	1.6634	0.0	0.4044	1.0000	0.4573	1
0	4	1	2.7149	1.3437	-0.6719	0.0	-1.3712	1.0000	-1.5507	1
0	4	2	17.3183	17.4633	8.7317	0.0	-0.1450	1.0000	-0.1636	1
0	4	3	13.2050	18.5391	9.2696	0.0	-0.3341	1.0000	-0.3769	1
0	4	4	3.6141	4.3919	-2.1959	0.0	0.7778	1.0000	0.8796	1
0	4	5	8.5401	8.0685	-4.0343	0.0	-0.4716	1.0000	-0.5330	1
0	4	6	3.5196	3.9851	1.9926	0.0	-0.4655	1.0000	-0.5265	1
0	4	7	2.0381	0.2642	-0.1421	0.0	-1.7539	1.0000	-1.9937	1
0	4	8	2.0989	0.6770	-0.3385	0.0	-1.4219	1.0000	-1.6081	1
0	4	9	3.5706	1.9490	0.9743	0.0	1.6276	1.0000	1.8407	1
0	4	10	19.5946	19.7733	9.8869	0.0	-0.1793	1.0000	-0.2022	1
0	0	-11	11.9403	12.0142	6.0071	0.0	-0.0739	1.0000	-0.0834	2
0	0	-10	32.6937	32.3053	16.1526	0.0	0.3935	1.0000	0.4412	2
0	0	-9	4.2152	3.0628	-1.5314	0.0	-1.1524	1.0000	-1.3013	2
0	0	-8	16.9947	16.9832	8.4916	0.0	0.0115	1.0000	0.0130	2
0	0	-7	7.0048	8.4767	-3.2383	0.0	-0.5282	1.0000	-0.5963	2
0	0	-6	3.5027	2.9267	-1.4634	0.0	-0.5760	1.0000	-0.6505	2
0	0	-5	2.3873	1.4351	0.7176	0.0	0.9522	1.0000	1.0754	2
0	0	-4	4.6296	3.8211	1.9106	0.0	0.8074	1.0000	0.9118	2
0	0	-3	12.4867	11.8104	5.9052	0.0	0.6764	1.0000	0.7630	2
0	0	-2	42.2403	43.1579	21.5790	0.0	-0.9176	1.0000	-1.0237	2
0	0	-1	11.0860	10.5881	-5.2941	0.0	-0.4979	1.0000	-0.5618	2
0	0	0	10.1519	9.9299	4.9649	0.0	0.2220	1.0000	0.2505	2
0	0	1	4.5250	3.2156	-1.6078	0.0	-1.3094	1.0000	-1.4786	2
0	0	2	6.4347	6.0417	-3.0208	0.0	-0.3930	1.0000	-0.4437	2
0	0	3	6.5546	5.4715	2.7358	0.0	1.0831	1.0000	1.2228	2
0	0	4	13.6019	12.7764	6.3882	0.0	0.8255	1.0000	0.9310	2
0	0	5	9.1766	8.8376	4.4188	0.0	0.3390	1.0000	0.3826	2
0	0	6	36.6712	34.9418	17.4709	0.0	1.7293	1.0000	1.9340	2
0	1	-9	6.0452	5.2801	2.6401	0.0	0.7651	1.0000	0.8651	1
0	1	-8	7.0703	8.0549	4.0274	0.0	-0.9845	1.0000	-1.1131	1
0	1	-7	10.8355	10.9662	-5.4831	0.0	0.1307	1.0000	0.1477	1
0	1	-6	11.4213	11.8359	-5.9179	0.0	0.4146	1.0000	0.4685	1
0	1	-5	3.2407	3.0530	1.5265	0.0	0.1876	1.0000	0.2122	1
0	1	-4	2.7295	2.5680	1.2840	0.0	0.1616	1.0000	0.1827	1
0	1	-3	12.6863	12.9699	6.4849	0.0	-0.2836	1.0000	-0.3204	1
0	1	-2	6.1598	5.7870	2.8935	0.0	0.3728	1.0000	0.4215	1
0	1	-1	17.8415	19.0168	9.5084	0.0	-1.1753	1.0000	-1.3263	1
0	1	0	6.1287	5.4766	2.7383	0.0	0.6521	1.0000	0.7373	1
0	1	1	2.5738	1.3226	0.6613	0.0	1.2512	1.0000	1.4151	1
0	1	2	17.0130	16.9081	-8.4541	0.0	-0.1048	1.0000	-0.1183	1
0	1	3	16.0787	15.9905	7.9953	0.0	0.0882	1.0000	0.0995	1
0	1	4	7.0033	6.4270	3.2135	0.0	0.5764	1.0000	0.6517	1
0	3	-6	4.6480	3.5575	-1.7787	0.0	-1.0905	1.0000	-1.2314	2
0	3	-5	11.5945	11.4986	5.7493	0.0	0.0958	1.0000	0.1081	2
0	3	-4	4.0922	2.8801	-1.4401	0.0	-1.2121	1.0000	-1.3688	2
0	3	-3	17.2008	18.7744	-9.3872	0.0	1.5736	1.0000	1.7736	2
0	3	-2	8.3605	7.3946	3.6973	0.0	0.9659	1.0000	1.0903	2
0	3	-1	36.7904	37.4517	18.7258	0.0	-0.6613	1.0000	-0.7399	2

7 3 0 4.6668 1.3443 70.2731 8:8 -3.3225 1:8888 -3.7568 2

NO= 1339 NV= 89

DISCREPANCY FACTORS BASED ON PARAMETERS BEFORE CYCLE 1

SUM(W*(C-C)**2) IS 0.2382E+04

SQRT(SUM(W*(C-C)**2/NG-NV) IS 1.3803

	NUMERATOR	DENOMINATOR	F
R FACTOR INCLUDING ZEROS	1216.158	23491.016	0.052
R FACTOR OMITTING ZEROS	1216.158	23491.016	0.052
WEIGHTED R FACTOR INCLUDING ZEROS	48.801	849.429	0.057
WEIGHTED R FACTOR OMITTING ZEROS	48.801	849.429	0.057

MUSCCVITE DATA AT S25 C REFINEMENT STARTING 18 APRIL 85 C2/C
 PRE-CYCLE 1

H	K	L	Y(OBS)	Y(CALC)	A	B	OBS-CALC	SIG(O)	(O-C)/SIG(O)	IQ
0	0	2	35.0776	33.5506	16.7753	0.0	1.5270	1.0000	1.7736	2
0	0	4	38.4321	38.1429	-19.0715	0.0	-0.2892	1.0000	-0.3537	2
0	0	8	41.8369	44.5377	22.2688	0.0	-2.7008	1.0000	-3.4395	2
0	0	12	7.8749	5.2651	2.6326	0.0	2.6098	1.0000	3.5669	2
0	0	14	37.1747	37.7036	18.8518	0.0	-0.5289	1.0000	-0.6999	2
0	0	16	54.1600	57.4040	28.7020	0.0	-3.2441	1.0000	-4.1840	2
0	0	18	12.5054	12.6856	6.3428	0.0	-0.1803	1.0000	-0.2460	2
0	0	20	24.9025	23.7204	11.8602	0.0	1.1820	1.0000	1.6003	2
0	0	22	38.0802	38.7142	19.3571	0.0	-0.6340	1.0000	-0.8481	2
0	0	24	29.3224	28.5907	14.2953	0.0	0.7317	1.0000	0.9892	2
0	0	26	23.5646	22.8547	-11.4274	0.0	-0.7099	1.0000	-0.9641	2
0	0	0	17.8850	17.9011	8.9506	0.0	-0.0162	1.0000	-0.0222	1
0	0	1	18.5559	18.1296	9.0648	0.0	0.4294	1.0000	0.5886	1
0	0	2	24.7235	25.9444	12.9722	0.0	-1.2209	1.0000	-1.6484	1
0	0	3	47.4534	51.3267	25.6633	0.0	-3.8733	1.0000	-4.8508	1
0	0	4	51.0292	54.1846	27.0923	0.0	-3.1554	1.0000	-3.9392	1
0	0	6	8.2523	4.8699	-2.4349	0.0	-3.3824	1.0000	-4.7413	1
0	0	7	16.5759	17.4798	8.7399	0.0	-0.9039	1.0000	-1.2565	1
0	0	8	3.9339	3.1960	1.5980	0.0	0.7378	1.0000	1.0370	1
0	0	9	12.2821	12.4990	6.2495	0.0	-0.2169	1.0000	-0.3634	1
0	0	10	13.7419	15.0270	7.5135	0.0	-1.2851	1.0000	-1.7961	1
0	0	11	7.6311	6.7504	3.3752	0.0	0.8807	1.0000	1.2369	1
0	0	12	19.3075	19.0753	9.5376	0.0	0.2323	1.0000	0.3240	1
0	0	13	32.5233	34.6662	-17.3331	0.0	2.1428	1.0000	2.9384	1
0	0	14	5.1584	4.1432	-2.0716	0.0	-1.0152	1.0000	-1.4268	1
0	0	15	16.3106	16.0233	8.0117	0.0	0.2873	1.0000	0.4016	1
0	0	16	12.3126	13.1952	6.5976	0.0	-0.8826	1.0000	-1.2374	1
0	0	17	6.8770	6.8347	3.4173	0.0	0.0423	1.0000	0.0595	1
0	0	18	14.2505	15.0779	7.5389	0.0	-0.8274	1.0000	-1.1593	1
0	0	19	2.6379	3.3291	1.6645	0.0	-0.6912	1.0000	-0.9719	1
0	0	20	10.9447	11.4911	5.7456	0.0	-0.5464	1.0000	-0.7670	1
0	0	21	13.7649	14.0530	-7.0265	0.0	0.2882	1.0000	0.4040	1
0	0	22	2.9280	3.3370	1.6685	0.0	-0.4090	1.0000	-0.5751	1
0	0	23	9.7773	8.9477	4.4739	0.0	0.8296	1.0000	1.1650	1
0	0	24	8.0935	8.1345	4.0672	0.0	-0.0410	1.0000	-0.0576	1
0	0	25	3.5552	3.9333	1.9692	0.0	-0.3831	1.0000	-0.5387	1
0	0	26	5.2456	5.5726	2.7647	0.0	-0.2839	1.0000	-0.3991	1
0	0	27	4.1002	3.0777	-1.5118	0.0	-1.0766	1.0000	-1.5138	1
0	4	0	18.3338	16.4497	-8.2249	0.0	-1.8841	1.0000	-2.6148	1
0	4	1	25.2529	24.2602	-12.1301	0.0	-0.9928	1.0000	-1.3626	1
0	4	2	30.8483	30.5094	15.2547	0.0	0.3389	1.0000	0.4601	1
0	4	3	22.9087	23.5894	11.7947	0.0	-0.6807	1.0000	-0.9387	1
0	4	4	33.3539	36.3886	-18.1943	0.0	3.0347	1.0000	4.1083	1
0	4	5	5.4817	5.5746	-2.7873	0.0	0.0929	1.0000	0.1305	1
0	4	6	28.6668	28.7498	-14.3749	0.0	-0.1170	1.0000	-0.1602	1
0	4	7	21.5063	20.4193	-10.2097	0.0	-1.0870	1.0000	-1.5109	1
0	4	8	11.3033	9.0366	-4.5183	0.0	-2.2667	1.0000	-3.1779	1
0	4	9	6.8250	3.6638	1.8319	0.0	3.1612	1.0000	4.4411	1
0	4	10	17.4265	18.6413	-9.3206	0.0	1.2147	1.0000	1.6951	1
0	4	11	26.5763	27.0400	-13.5200	0.0	-0.4637	1.0000	-0.6413	1
0	4	12	57.5599	60.3805	-30.1903	0.0	2.8206	1.0000	3.7149	1
0	4	13	32.1986	34.3774	-17.1387	0.0	-2.1788	1.0000	-2.9972	1
0	4	14	16.7216	16.9644	8.4822	0.0	-0.2427	1.0000	-0.3394	1
0	4	15	2.5690	1.6906	0.8453	0.0	0.8784	1.0000	1.2352	1
0	4	16	5.5480	5.6812	2.8406	0.0	-0.1333	1.0000	-0.1873	1
0	4	17	19.6776	20.6571	10.3286	0.0	-0.9795	1.0000	-1.3682	1

325°C
 Musconfe
 Panasqueira, Portugal
 Guggenheim et al 1987

C	4	19	16.8383	17.4054	-8.9027	0.0	-0.9670	1.0000	-1.3535	1
C	4	19	2.5490	1.7338	-0.8694	0.0	-0.8102	1.0000	-1.1394	1
C	4	20	5.8813	5.8108	-2.8054	0.0	-0.2705	1.0000	-0.3803	1
C	4	21	14.2026	14.7489	-7.3744	0.0	0.5463	1.0000	0.7659	1
C	4	22	13.7575	13.3013	6.7507	0.0	0.2562	1.0000	0.3592	1
C	4	23	12.4647	11.8890	5.4448	0.0	0.5751	1.0000	0.8071	1
C	4	24	13.9224	13.2095	-0.6047	0.0	-0.7130	1.0000	-0.9999	1
C	4	25	4.7194	3.2738	1.6309	0.0	1.4456	1.0000	2.0324	1
C	4	26	10.3609	11.0432	-5.5216	0.0	0.6763	1.0000	0.9498	1
C	C	1	24.8045	24.8150	12.4075	0.0	-0.0105	1.0000	-0.0141	2
C	C	2	31.3116	30.8134	-15.4067	0.0	-0.4983	1.0000	-0.6665	2
C	C	3	10.1736	10.0427	5.0214	0.0	0.1309	1.0000	0.1788	2
C	C	4	4.1093	3.2745	1.8373	0.0	0.8348	1.0000	1.1423	2
C	C	5	10.2885	11.2422	-5.6211	0.0	0.9537	1.0000	1.3024	2
C	C	6	21.6378	22.5652	-11.2826	0.0	0.9273	1.0000	1.2564	2
C	C	7	13.5899	13.6177	-6.8088	0.0	0.0278	1.0000	0.0378	2
C	C	8	49.3945	50.8418	-25.4209	0.0	1.4473	1.0000	1.8896	2
C	C	9	24.6588	25.7624	12.8812	0.0	-1.1037	1.0000	-1.4924	2
C	C	10	24.5034	25.3750	12.6875	0.0	-0.8716	1.0000	-1.1792	2
C	C	11	5.9162	4.7934	-2.3967	0.0	-1.1228	1.0000	-1.5361	2
C	C	12	14.1400	14.6900	7.3450	0.0	-0.5499	1.0000	-0.7501	2
C	C	13	16.8331	17.0613	-8.5307	0.0	0.2282	1.0000	0.3109	2
C	C	14	30.6568	31.0677	-15.5339	0.0	0.4110	1.0000	0.5541	2
C	C	16	45.9203	46.2359	-23.1180	0.0	0.3157	1.0000	0.4190	2
C	C	17	16.0885	16.3892	6.1946	0.0	-0.3007	1.0000	-0.4100	2
C	C	19	7.9609	6.9223	-3.4814	0.0	-1.0440	1.0000	-1.4280	2
C	C	20	12.4929	11.9905	-5.9953	0.0	-0.5024	1.0000	-0.6863	2
C	C	21	2.7453	2.9926	-1.4963	0.0	0.2473	1.0000	0.3385	2
C	C	22	33.3283	33.3057	-16.6528	0.0	-0.0226	1.0000	-0.0305	2
C	C	23	5.7553	5.7975	-2.8987	0.0	-0.0422	1.0000	-0.0577	2
C	C	24	17.4933	16.4889	-8.2444	0.0	-1.0044	1.0000	-1.3695	2
C	C	0	14.3809	15.8150	-7.9075	0.0	1.4341	1.0000	2.0086	1
C	C	1	5.5845	4.6350	2.3178	0.0	0.9490	1.0000	1.3339	1
C	C	2	16.4350	17.1214	-8.5607	0.0	0.6863	1.0000	0.9601	1
C	C	3	15.4043	15.7415	-7.8708	0.0	0.3373	1.0000	0.4722	1
C	C	4	8.5500	8.0742	-4.0371	0.0	-0.4757	1.0000	-0.6681	1
C	C	5	13.2498	13.2033	6.6017	0.0	0.0464	1.0000	0.0651	1
C	C	6	9.3711	9.3955	-4.6977	0.0	0.0243	1.0000	0.0342	1
C	C	7	10.0032	9.6039	4.8019	0.0	0.3993	1.0000	0.5605	1
C	C	8	6.7265	6.5138	-3.2569	0.0	-0.2127	1.0000	-0.2990	1
C	C	9	9.1995	8.1668	-4.0834	0.0	-1.0328	1.0000	-1.4503	1
C	C	10	3.6100	2.6013	-1.3007	0.0	-1.0087	1.0000	-1.4183	1
C	C	11	14.0425	14.3716	-7.1858	0.0	0.3292	1.0000	0.4615	1
C	C	13	22.1900	23.2106	11.6053	0.0	-1.0206	1.0000	-1.4241	1
C	C	14	10.1377	9.7005	-4.8503	0.0	-0.4372	1.0000	-0.6139	1
C	C	15	5.2642	5.0354	-2.5177	0.0	-0.2288	1.0000	-0.3216	1
C	C	16	4.6022	5.1223	-2.5612	0.0	0.5202	1.0000	0.7313	1
C	C	17	12.4189	11.9991	-5.9995	0.0	-0.4198	1.0000	-0.5890	1
C	C	18	5.3013	5.8348	-2.9174	0.0	0.5335	1.0000	0.7500	1
C	C	19	5.7346	4.4548	2.2274	0.0	1.2798	1.0000	1.7992	1
C	C	20	10.0912	9.0150	-4.5075	0.0	-1.0762	1.0000	-1.5114	1
C	C	21	10.6382	9.6871	4.8436	0.0	0.9511	1.0000	1.3355	1
C	C	0	14.8650	15.4091	-7.7045	0.0	0.5440	1.0000	0.7624	1
C	C	1	4.6918	1.6397	-0.8198	0.0	-3.0521	1.0000	-4.2910	1
C	C	2	7.7462	7.0495	-3.5247	0.0	-0.6967	1.0000	-0.9789	1
C	C	3	3.9488	3.0089	-1.5044	0.0	-0.9399	1.0000	-1.3215	1
C	C	4	20.6379	21.8474	10.9237	0.0	-1.2095	1.0000	-1.6896	1
C	C	5	7.0740	6.3853	3.1926	0.0	0.6887	1.0000	0.9678	1
C	C	6	7.9925	6.1781	3.0890	0.0	1.8144	1.0000	2.5492	1
C	C	7	7.2154	6.4721	3.2360	0.0	0.7433	1.0000	1.0446	1
C	C	8	6.4453	5.4147	2.7074	0.0	1.0305	1.0000	1.4484	1

0	10	9	0.56886	5.92550	-2.96225	0.0	-1.0436	1.0000	-1.4666	1
0	10	10	19.82298	19.45933	9.72916	0.0	0.3716	1.0000	0.5195	1
0	10	11	5.1471	3.7984	-1.8992	0.0	-1.3487	1.0000	-1.8961	1
0	10	12	28.4848	28.6658	14.3329	0.0	-0.1810	1.0000	-0.2516	1
0	10	13	7.2995	6.7179	3.3589	0.0	0.5819	1.0000	0.8178	1
0	10	14	5.1876	5.7475	-2.8738	0.0	0.5597	1.0000	0.7869	1
0	10	15	3.8131	2.7777	-1.3887	0.0	-1.0354	1.0000	-1.4559	1
0	10	16	3.2754	7.1381	-3.5891	0.0	-1.1373	1.0000	-1.5979	1
0	10	17	7.0959	6.3620	-3.1810	0.0	-0.7339	1.0000	-1.0314	1
0	12	0	27.8718	28.9282	14.4641	0.0	-1.0563	1.0000	-1.4312	2
0	12	1	16.0672	15.9251	-7.9626	0.0	-0.1421	1.0000	-0.1938	2
0	12	2	9.7999	8.9042	4.4521	0.0	0.8957	1.0000	1.2246	2
0	12	3	7.3118	7.2508	-3.6254	0.0	-0.0610	1.0000	-0.0835	2
0	12	4	3.1912	2.6042	-1.3321	0.0	-0.5270	1.0000	-0.7213	2
0	12	5	12.6257	12.9590	6.4795	0.0	-0.3333	1.0000	-0.4553	2
0	12	6	14.3492	13.4989	8.7494	0.0	0.8503	1.0000	1.1609	2
0	12	7	5.4084	4.8866	2.4433	0.0	0.5218	1.0000	0.7141	2
0	12	8	19.7122	18.9972	-9.4986	0.0	-0.7150	1.0000	0.9733	2
0	12	9	14.1996	13.8876	-6.9438	0.0	-0.3120	1.0000	-0.4261	2
1	1	-28	3.7137	2.7288	1.3644	0.0	0.9849	1.0000	1.3849	1
1	1	-27	4.9410	4.5335	2.2668	0.0	0.4075	1.0000	0.5729	1
1	1	-26	9.2679	9.3809	-0.6905	0.0	-0.1130	1.0000	-0.1597	1
1	1	-25	0.5047	6.3666	-1.1833	0.0	-0.1381	1.0000	-0.1942	1
1	1	-23	18.5544	19.3551	-0.6776	0.0	0.8007	1.0000	1.1196	1
1	1	-22	11.9369	12.2484	-6.1242	0.0	0.3115	1.0000	0.4370	1
1	1	-21	2.8722	3.0755	1.5378	0.0	-0.2034	1.0000	-0.2860	1
1	1	-20	11.1839	11.8781	5.9390	0.0	-0.6942	1.0000	-0.9740	1
1	1	-19	11.1120	11.0323	-5.5164	0.0	-0.0792	1.0000	-0.1111	1
1	1	-17	21.2788	23.0734	-11.5367	0.0	1.7946	1.0000	2.4986	1
1	1	-16	3.2649	2.5069	1.2535	0.0	0.7579	1.0000	1.0657	1
1	1	-15	19.0343	20.7810	-10.3905	0.0	1.7466	1.0000	2.4339	1
1	1	-14	24.9504	25.8052	-12.9026	0.0	0.8549	1.0000	1.1825	1
1	1	-13	12.0237	12.0914	6.0457	0.0	-0.0677	1.0000	-0.0948	1
1	1	-12	12.7780	12.3766	6.1883	0.0	0.4013	1.0000	0.5621	1
1	1	-11	17.8942	15.9973	-7.9987	0.0	-1.8968	1.0000	-2.6446	1
1	1	-10	10.6709	10.0635	5.0317	0.0	0.6074	1.0000	0.8505	1
1	1	-9	7.7651	8.5649	-4.2825	0.0	0.7998	1.0000	1.1220	1
1	1	-8	6.7891	6.2073	3.1037	0.0	0.5817	1.0000	0.8164	1
1	1	-7	25.2703	26.6547	-13.3274	0.0	1.3844	1.0000	1.8879	1
1	1	-6	55.6293	56.0748	-28.0374	0.0	0.4455	1.0000	0.5501	1
1	1	-5	24.3655	21.7589	10.8795	0.0	2.6066	1.0000	3.5380	1
1	1	-4	61.7424	62.8859	-31.4429	0.0	-1.1434	1.0000	-1.3451	1
1	1	-3	45.5448	47.8204	-23.9102	0.0	2.2755	1.0000	2.8272	1
1	1	-2	5.4915	0.8661	0.4331	0.0	4.6254	1.0000	6.4879	1
1	1	-1	48.6194	51.2529	-25.6265	0.0	2.6336	1.0000	3.1842	1
1	1	0	32.3218	31.7061	-15.8531	0.0	-0.6157	1.0000	-0.8002	1
1	1	1	26.4003	27.1566	-13.5783	0.0	0.7563	1.0000	1.0089	1
1	1	2	20.9716	20.6423	-10.3211	0.0	-0.3293	1.0000	-0.4483	1
1	1	3	16.3059	13.7284	6.8642	0.0	2.5775	1.0000	3.5591	1
1	1	4	67.6756	67.0069	33.5035	0.0	0.6687	1.0000	0.7812	1
1	1	5	61.3772	62.2472	-31.1236	0.0	0.8700	1.0000	1.0541	1
1	1	6	32.1750	32.7000	-16.3500	0.0	0.5250	1.0000	0.7044	1
1	1	7	5.1805	2.9456	1.4728	0.0	2.2349	1.0000	3.1394	1
1	1	8	4.3402	4.4506	-2.2253	0.0	0.1104	1.0000	0.1552	1
1	1	9	3.6141	0.4115	0.2058	0.0	3.2026	1.0000	4.5016	1
1	1	10	3.1070	0.8730	-0.4365	0.0	-2.2341	1.0000	-3.1412	1
1	1	11	8.5475	7.3566	-3.6783	0.0	-1.1909	1.0000	-1.6717	1
1	1	12	24.4419	25.4410	12.7205	0.0	-0.9991	1.0000	-1.3819	1
1	1	13	23.6833	25.0304	-12.5152	0.0	1.3471	1.0000	1.8673	1
1	1	14	20.8470	21.1456	-10.5728	0.0	0.2986	1.0000	0.4155	1
1	1	15	5.3313	6.2899	-3.1449	0.0	0.9586	1.0000	1.3472	1

1	1	25	41.32689	41.2494	-20.6247	0.0	-0.1155	1.0000	-0.1546	2
1	1	26	4.22455	4.7961	-2.3931	0.0	-0.5537	1.0000	-0.7537	1
1	1	27	6.3650	6.6628	-3.3314	0.0	0.3027	1.0000	0.4255	1
1	1	28	2.3100	1.5087	-0.7544	0.0	-0.2012	1.0000	-1.1268	1
1	1	29	2.2011	3.5386	-1.7693	0.0	1.3375	1.0000	1.8809	1
1	1	30	3.4285	0.9919	-0.4459	0.0	-2.5157	1.0000	-3.5388	1
1	1	31	12.3097	12.7727	-6.3864	0.0	-0.4630	1.0000	-0.6497	1
1	1	32	5.7718	5.7154	-2.8577	0.0	-0.0564	1.0000	-0.0793	1
1	1	33	8.4292	7.7844	-3.8922	0.0	-0.6447	1.0000	-0.9057	1
1	1	34	7.3277	7.3277	-4.6639	0.0	-0.0413	1.0000	-0.0580	1
1	1	35	7.0110	7.0110	-3.9109	0.0	-0.2293	1.0000	-0.3221	1
1	1	36	12.0709	11.6315	-5.8158	0.0	-0.4394	1.0000	-0.6164	1
1	1	37	4.4671	2.3639	-1.1920	0.0	-2.1032	1.0000	-2.9569	1
1	1	38	21.0500	21.9113	-10.9557	0.0	0.8553	1.0000	1.1929	1
1	1	39	24.3726	25.5928	-12.7964	0.0	-1.2199	1.0000	-1.6958	1
1	1	40	15.7181	16.0006	-8.0003	0.0	0.2826	1.0000	0.3984	1
1	1	41	16.7747	17.4877	-8.7438	0.0	0.7130	1.0000	0.9967	1
1	1	42	6.1587	6.8429	-3.4214	0.0	0.6841	1.0000	0.9613	1
1	1	43	9.7517	10.1484	-5.0742	0.0	0.3967	1.0000	0.5566	1
1	1	44	11.8356	12.7232	-6.3616	0.0	0.8876	1.0000	1.2440	1
1	1	45	10.3269	10.1056	5.0528	0.0	0.2213	1.0000	0.3104	1
1	1	46	3.3010	4.9978	-2.4989	0.0	1.6968	1.0000	2.3857	1
1	1	47	32.4779	33.4937	-16.7468	0.0	-1.0158	1.0000	-1.3898	1
1	1	48	14.9022	11.0052	5.5026	0.0	3.8970	1.0000	5.4509	1
1	1	49	52.2873	50.4791	-25.2396	0.0	-1.8082	1.0000	-2.3943	1
1	1	50	9.0085	7.6988	-3.8494	0.0	-1.3097	1.0000	-1.8380	1
1	1	51	10.2090	9.0875	4.5437	0.0	1.1215	1.0000	1.5730	1
1	1	52	17.9507	17.0012	-8.5006	0.0	-0.9495	1.0000	-1.3241	1
1	1	53	20.9170	20.2316	10.1158	0.0	0.6854	1.0000	0.9531	1
1	1	54	19.9165	18.4756	-9.2378	0.0	-1.4410	1.0000	-2.0061	1
1	1	55	6.9028	1.1620	6.5810	0.0	5.7408	1.0000	8.0640	1
1	1	56	27.0128	26.4319	-13.2159	0.0	-0.5809	1.0000	-0.8026	1
1	1	57	40.0715	37.9408	-18.9704	0.0	-2.1307	1.0000	-2.8900	1
1	1	58	28.3755	27.3286	-13.6643	0.0	-1.0469	1.0000	-1.4456	1
1	1	59	28.9940	28.8651	14.4326	0.0	0.1289	1.0000	0.1774	1
1	1	60	20.7989	21.3937	-10.6969	0.0	0.5948	1.0000	0.8275	1
1	1	61	4.6714	1.8389	-0.9195	0.0	-2.8324	1.0000	-3.9814	1
1	1	62	13.5854	14.4838	-7.2419	0.0	0.8984	1.0000	1.2580	1
1	1	63	3.8636	3.2867	1.6434	0.0	0.5769	1.0000	0.8111	1
1	1	64	2.5291	0.3424	-0.1712	0.0	-2.1867	1.0000	-3.0749	1
1	1	65	12.8617	13.4967	-6.7483	0.0	0.6349	1.0000	0.8899	1
1	1	66	5.9657	4.9084	-2.4542	0.0	-1.0573	1.0000	-1.4859	1
1	1	67	10.4816	9.7741	4.8871	0.0	0.7074	1.0000	0.9929	1
1	1	68	8.4416	7.6562	-3.8281	0.0	-3.7854	1.0000	-1.1032	1
1	1	69	5.9453	4.5869	2.2935	0.0	1.3584	1.0000	1.9093	1
1	1	70	2.4935	0.7874	-0.3937	0.0	-1.7062	1.0000	-2.3993	1
1	1	71	4.7904	3.9736	1.9868	0.0	0.8168	1.0000	1.1483	1
1	1	72	4.5523	5.2223	-2.6112	0.0	0.6700	1.0000	0.9420	1
1	1	73	14.8811	15.1714	-7.5857	0.0	0.2903	1.0000	0.4069	1
1	1	74	12.4893	12.5453	-6.2727	0.0	0.0560	1.0000	0.0785	1
1	1	75	9.8495	9.1865	4.5933	0.0	0.6630	1.0000	0.9311	1
1	1	76	5.3369	6.2126	-3.1063	0.0	0.8758	1.0000	1.2312	1
1	1	77	5.6860	5.7997	2.8999	0.0	-0.1137	1.0000	-0.1598	1
1	1	78	5.3196	4.3001	-2.1500	0.0	-1.0195	1.0000	-1.4333	1
1	1	79	17.2221	17.0308	8.5154	0.0	0.1913	1.0000	0.2679	1
1	1	80	7.5772	8.2388	4.1194	0.0	-0.6616	1.0000	-0.9297	1
1	1	81	3.3926	1.6120	-0.8060	0.0	-1.7806	1.0000	-2.5038	1
1	1	82	6.7662	8.0571	-4.0285	0.0	1.2909	1.0000	1.8142	1
1	1	83	13.1164	12.6714	6.3357	0.0	0.4451	1.0000	0.6243	1
1	1	84	3.4700	4.1323	-2.0662	0.0	0.6623	1.0000	0.9313	1
1	1	85	10.7747	10.2463	5.1232	0.0	0.5284	1.0000	0.7418	1

1	7	-16	6.6093	5.8320	2.9160	0.0	0.7773	1.0000	1.0925	1
1	7	-15	5.8049	4.4862	2.2431	0.0	0.5186	1.0000	0.7291	1
1	7	-14	4.6507	4.5860	2.2930	0.0	0.0647	1.0000	0.0909	1
1	7	-13	15.0748	15.0570	-7.5285	0.0	-0.0178	1.0000	-0.0250	1
1	7	-12	5.0150	4.9047	-2.4523	0.0	-0.1104	1.0000	-0.1551	1
1	7	-11	3.5253	2.3191	-1.1595	0.0	-1.2062	1.0000	-1.6960	1
1	7	-10	2.7621	0.4915	0.2453	0.0	2.2706	1.0000	3.1929	1
1	7	-9	8.6332	8.3137	4.1569	0.0	0.3395	1.0000	0.4767	1
1	7	-8	3.0499	0.2410	-0.1208	0.0	-2.8093	1.0000	-3.9489	1
1	7	-7	32.5308	34.3572	17.1786	0.0	-1.8263	1.0000	-2.5155	1
1	7	-6	15.6242	16.0284	8.0142	0.0	-0.4042	1.0000	-0.5656	1
1	7	-5	6.7007	6.0270	-3.0130	0.0	-0.6729	1.0000	-0.9455	1
1	7	-4	10.3157	9.8332	-4.9166	0.0	-0.4826	1.0000	-0.6771	1
1	7	-3	29.5392	30.7648	15.3824	0.0	-1.2256	1.0000	-1.6921	1
1	7	-2	14.4815	13.6245	-6.8123	0.0	-0.8570	1.0000	-1.1997	1
1	7	-1	46.8426	49.9404	24.9702	0.0	-3.0979	1.0000	-4.1679	1
1	7	0	13.8864	14.0945	7.0473	0.0	-0.2081	1.0000	-0.2915	1
1	7	1	12.1282	12.0595	6.0297	0.0	0.0687	1.0000	0.0963	1
1	7	2	11.1653	5.8948	4.9474	0.0	1.2705	1.0000	1.7820	1
1	7	3	35.3005	36.3260	-18.2630	0.0	1.2256	1.0000	1.6802	1
1	7	4	28.6304	30.3417	-15.1708	0.0	1.7112	1.0000	2.3664	1
1	7	5	26.0924	27.8111	13.9055	0.0	-1.7187	1.0000	-2.3839	1
1	7	6	7.8599	7.7516	3.8758	0.0	0.1083	1.0000	0.1521	1
1	7	7	4.7835	4.3341	2.1671	0.0	0.4493	1.0000	0.6317	1
1	7	8	15.6132	16.6792	8.3396	0.0	-1.0660	1.0000	-1.4922	1
1	7	9	18.0552	18.5743	-9.2871	0.0	0.5191	1.0000	0.7256	1
1	7	10	9.0939	8.3900	-4.1950	0.0	-0.7038	1.0000	-0.9884	1
1	7	11	3.1514	0.6644	0.3324	0.0	2.4866	1.0000	3.4965	1
1	7	12	9.4582	8.3064	-4.1532	0.0	-1.1519	1.0000	-1.6175	1
1	7	13	37.5951	38.9518	19.4759	0.0	-1.3567	1.0000	-1.8658	1
1	7	14	13.7324	13.4517	6.7259	0.0	0.2807	1.0000	0.3936	1
1	7	15	11.7926	10.3812	5.1906	0.0	1.4114	1.0000	1.9806	1
1	7	16	4.3599	1.5336	0.7668	0.0	2.8263	1.0000	3.9737	1
1	7	17	7.8945	6.7122	3.3561	0.0	1.1822	1.0000	1.6611	1
1	7	18	4.4246	3.1944	-1.5972	0.0	-1.2302	1.0000	-1.7296	1
1	7	19	8.7742	8.4043	4.2021	0.0	0.3700	1.0000	0.5197	1
1	7	20	4.8611	3.4788	-1.7394	0.0	-1.3824	1.0000	-1.9435	1
1	7	21	13.9442	12.9901	6.4951	0.0	0.9541	1.0000	1.3382	1
1	7	22	4.2513	2.4305	1.2153	0.0	1.8208	1.0000	2.5601	1
1	9	-19	17.0589	16.6309	8.3154	0.0	0.4280	1.0000	0.5837	2
1	9	-18	12.8132	12.7519	-6.3760	0.0	-0.0613	1.0000	-0.0837	2
1	9	-17	8.6967	8.5387	-4.2694	0.0	-0.1580	1.0000	-0.2160	2
1	9	-16	11.7348	10.0492	5.0246	0.0	1.6857	1.0000	2.3034	2
1	9	-15	13.0755	13.1126	6.5563	0.0	-0.0371	1.0000	-0.0506	2
1	9	-14	12.7158	12.0758	6.0379	0.0	0.6400	1.0000	0.8742	2
1	9	-13	36.3176	36.9274	18.4637	0.0	-0.6098	1.0000	-0.8197	2
1	9	-12	7.6808	6.2650	-3.1325	0.0	-1.4158	1.0000	-1.9366	2
1	9	-11	20.8116	20.4438	10.2219	0.0	0.3677	1.0000	0.5002	2
1	9	-10	13.4731	14.1974	-7.0987	0.0	0.7243	1.0000	0.9888	2
1	9	-9	7.6150	6.7905	-3.3953	0.0	-0.8244	1.0000	-1.1277	2
1	9	-8	15.6600	15.6286	7.8143	0.0	0.0314	1.0000	0.0428	2
1	9	-7	20.1660	20.1371	10.0686	0.0	0.0290	1.0000	0.0394	2
1	9	-6	5.3341	4.8940	2.4470	0.0	0.4400	1.0000	0.6022	2
1	9	-5	27.7111	27.7636	13.8818	0.0	-0.0524	1.0000	-0.0709	2
1	9	-4	11.2490	11.5248	-5.7624	0.0	0.2758	1.0000	0.3768	2
1	9	-3	8.7264	7.1628	3.5814	0.0	1.5636	1.0000	2.1379	2
1	9	-2	11.4755	11.7257	-5.8628	0.0	0.2502	1.0000	0.3418	2
1	9	-1	18.1810	18.2134	-9.1067	0.0	0.0324	1.0000	0.0441	2
1	9	0	21.7767	22.4518	11.2259	0.0	-0.6751	1.0000	-0.9172	2
1	9	1	25.5558	25.9997	12.9999	0.0	-0.4439	1.0000	-0.6014	2
1	9	2	5.1300	3.4206	1.7103	0.0	1.7095	1.0000	2.3393	2

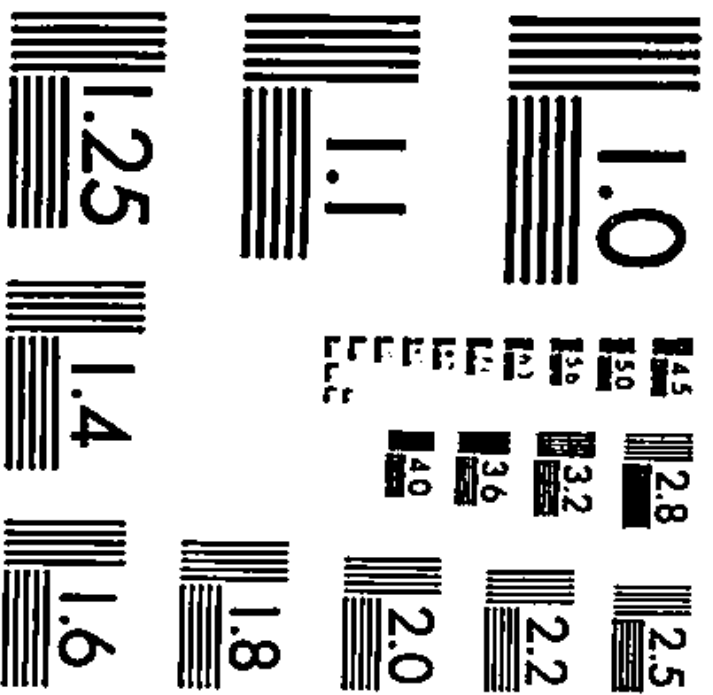
1	9	3	41.6737	42.6004	21.3002	0.0	-0.9207	1.0000	-1.22276	2
1	9	4	16.2291	18.2123	8.1062	0.0	-0.0158	1.0000	-0.0229	2
1	9	5	9.5662	8.5886	4.2943	0.0	0.9176	1.0000	1.2544	2
1	9	6	6.8834	5.7249	-2.8624	0.0	-1.1585	1.0000	-1.5849	2
1	9	7	5.3439	2.7153	-1.3579	0.0	-2.6281	1.0000	-3.5964	2
1	9	8	22.5206	22.6933	11.3457	0.0	-0.1727	1.0000	-0.2346	2
1	9	9	46.7995	47.7783	23.8891	0.0	-0.9789	1.0000	-1.2993	2
1	9	10	10.6205	9.3074	-4.7537	0.0	-1.4132	1.0000	-1.9313	2
1	9	11	25.3664	24.8853	12.4429	0.0	0.4806	1.0000	0.6519	2
1	9	12	13.6437	15.3538	-7.6769	0.0	-0.2398	1.0000	-0.3954	2
1	9	13	13.5619	13.6559	-6.8279	0.0	0.0940	1.0000	0.1293	2
1	9	14	4.7360	8.1934	4.0967	0.0	1.5426	1.0000	2.1090	2
1	9	15	4.5243	2.0381	1.0190	0.0	2.4862	1.0000	3.4028	2
1	9	16	13.6420	14.0233	7.0117	0.0	-0.3813	1.0000	-0.5207	2
1	9	17	25.9737	25.1098	12.5549	0.0	0.8689	1.0000	1.1790	2
1	9	18	12.4431	11.1843	-5.5921	0.0	-1.2588	1.0000	-1.7198	2
1	9	19	3.9500	0.4972	-0.2486	0.0	-3.4527	1.0000	-4.7259	2
1	11	-13	7.6861	6.0469	4.0234	0.0	-0.3608	1.0000	-0.5070	1
1	11	-12	3.6393	1.9012	0.9506	0.0	1.7380	1.0000	2.4439	1
1	11	-11	2.8855	2.8449	1.2725	0.0	0.3406	1.0000	0.4789	1
1	11	-10	2.9735	0.3391	0.1696	0.0	2.6344	1.0000	3.7045	1
1	11	-9	3.1922	2.0840	1.0420	0.0	1.1088	1.0000	1.5592	1
1	11	-8	2.7608	2.8768	1.4384	0.0	-0.1160	1.0000	-0.1631	1
1	11	-7	4.2874	1.6599	0.8299	0.0	2.6275	1.0000	3.6943	1
1	11	-6	11.6672	11.0834	-5.5417	0.0	-0.5837	1.0000	-0.8193	1
1	11	-5	7.5270	7.0173	3.5087	0.0	0.5097	1.0000	0.7162	1
1	11	-4	6.4992	6.3263	3.1632	0.0	0.1729	1.0000	0.2430	1
1	11	-3	3.8497	1.9783	0.9891	0.0	1.8714	1.0000	2.6314	1
1	11	-2	10.4847	9.2018	4.6009	0.0	1.2829	1.0000	1.8014	1
1	11	-1	5.3467	5.1065	2.5532	0.0	0.2403	1.0000	0.3378	1
1	11	0	9.0826	8.6653	-4.3327	0.0	-0.4173	1.0000	-0.5862	1
1	11	1	9.6616	9.1859	4.5930	0.0	0.4757	1.0000	0.6681	1
1	11	2	8.0937	8.0423	-4.0211	0.0	-3.0515	1.0000	-0.0723	1
1	11	3	11.8001	11.0294	5.8147	0.0	0.1706	1.0000	0.2395	1
1	11	4	17.3844	17.7740	8.8870	0.0	-0.3897	1.0000	-0.5456	1
1	11	5	3.2561	2.9868	1.4934	0.0	0.2694	1.0000	0.3788	1
1	11	6	6.1405	5.3368	-2.6684	0.0	-0.8037	1.0000	-1.1297	1
1	11	7	8.1129	7.0789	3.5394	0.0	1.0340	1.0000	1.4529	1
1	11	8	11.3154	10.3547	-5.1773	0.0	-0.9608	1.0000	-1.3487	1
1	11	9	6.8213	6.7384	3.3692	0.0	0.0830	1.0000	0.1166	1
1	11	10	4.1618	4.7896	2.3948	0.0	-0.6277	1.0000	-0.8825	1
1	11	11	3.9853	3.9060	1.9530	0.0	0.0794	1.0000	0.1116	1
1	11	12	6.6980	6.3876	3.1938	0.0	0.3104	1.0000	0.4362	1
2	0	-26	4.8799	0.9739	0.4870	0.0	3.9060	1.0000	5.3456	2
2	0	-26	44.0472	43.7849	-21.8925	0.0	-0.2623	1.0000	-0.3497	2
2	0	-24	24.4158	24.1317	-12.0658	0.0	-0.2841	1.0000	-0.3855	2
2	0	-22	13.0708	15.4744	7.7372	0.0	-0.4036	1.0000	-0.5506	2
2	0	-20	3.9099	4.0825	-2.0412	0.0	0.1726	1.0000	0.2362	2
2	0	-18	51.0591	51.4910	-25.7455	0.0	0.4319	1.0000	0.5652	2
2	0	-16	27.7100	28.3864	14.1932	0.0	-0.6764	1.0000	-3.0113	2
2	0	-14	21.1580	21.7440	10.8720	0.0	-0.5859	1.0000	-0.7937	2
2	0	-12	42.4839	42.6764	-21.3382	0.0	0.1925	1.0000	0.2519	2
2	0	-8	28.8116	26.3435	-13.1717	0.0	-2.4682	1.0000	-3.2847	2
2	0	-6	80.0780	74.0404	-37.0202	0.0	-6.0376	1.0000	-6.9484	2
2	0	-4	54.7062	60.5496	-30.2748	0.0	-4.1566	1.0000	-4.9522	2
2	0	0	63.7830	60.2475	30.1237	0.0	3.5356	1.0000	4.2060	2
2	0	2	57.8903	53.3728	26.6864	0.0	4.5175	1.0000	5.5075	2
2	0	4	20.2472	23.1149	-11.5575	0.0	2.8677	1.0000	3.8623	2
2	0	6	65.8942	65.8076	-32.9038	0.0	-0.0866	1.0000	-0.1054	2
2	0	8	54.0806	50.1868	25.0934	0.0	3.8938	1.0000	4.9971	2
2	0	10	62.1257	61.5986	-30.7993	0.0	-0.5271	1.0000	-0.6626	2

N	4	-24	2.9129	4.3308	-2.1654	0.0	-1.4179	1.0000	-1.9939	1
N	4	-23	3.0576	7.7215	-3.5808	0.0	-0.3361	1.0000	-0.4722	1
N	4	-22	11.3958	10.9029	5.4515	0.0	0.4928	1.0000	0.6917	1
N	4	-21	4.1083	4.3985	2.1977	0.0	-0.2872	1.0000	-0.4038	1
N	4	-20	4.9629	5.7273	2.8637	0.0	-0.7644	1.0000	-1.0746	1
N	4	-19	6.4419	5.9815	2.9907	0.0	0.4604	1.0000	0.6470	1
N	4	-18	7.1126	5.7263	2.8631	0.0	1.3864	1.0000	1.9480	1
N	4	-17	5.4742	4.7650	-2.3825	0.0	-0.7092	1.0000	-0.9968	1
N	4	-16	7.2722	5.2517	2.8259	0.0	2.0205	1.0000	2.8337	1
N	4	-15	19.6634	19.9697	-9.9849	0.0	0.3064	1.0000	0.4276	1
N	4	-14	38.9172	41.9813	20.9907	0.0	-3.0641	1.0000	-4.1810	1
N	4	-13	22.9002	23.5542	11.7771	0.0	-0.6541	1.0000	-0.9093	1
N	4	-12	10.5316	11.1138	5.5569	0.0	-0.5822	1.0000	-0.8167	1
N	4	-11	8.5051	7.0612	3.5306	0.0	1.4439	1.0000	2.0271	1
N	4	-10	6.4004	5.4122	-2.7061	0.0	-0.9883	1.0000	-1.3884	1
N	4	-9	20.0510	21.4862	-10.7431	0.0	1.4352	1.0000	1.9974	1
N	4	-8	5.2413	4.0157	2.3079	0.0	0.6255	1.0000	0.8791	1
N	4	-7	8.7201	8.7158	-4.3579	0.0	-0.0043	1.0000	-0.0061	1
N	4	-6	38.8909	37.2058	18.6029	0.0	1.6451	1.0000	2.2348	1
N	4	-5	47.1981	44.5084	22.2542	0.0	2.6896	1.0000	3.5954	1
N	4	-4	37.4396	34.5665	-17.2833	0.0	-2.8731	1.0000	-3.9048	1
N	4	-3	24.2657	21.8578	-10.9289	0.0	-2.4079	1.0000	-3.3348	1
N	4	-2	6.7266	4.9768	2.4884	0.0	1.7498	1.0000	2.4578	1
N	4	-1	17.6584	15.8317	-7.9159	0.0	-1.8266	1.0000	-2.5474	1
N	4	C	30.2730	33.7090	16.8940	0.0	2.4843	1.0000	3.3805	1
N	4	1	18.1829	14.8317	7.1400	0.0	1.8112	1.0000	2.6694	1
N	4	2	43.4309	40.4448	20.2224	0.0	2.9861	1.0000	4.0163	1
N	4	3	29.2108	26.5234	13.2617	0.0	2.6874	1.0000	3.7012	1
N	4	4	6.7562	2.6975	-1.3487	0.0	-4.0587	1.0000	-5.7017	1
N	4	5	26.8351	27.1743	-13.5871	0.0	0.3392	1.0000	0.4678	1
N	4	6	33.2677	33.9581	16.9790	0.0	-0.6904	1.0000	-0.9439	1
N	4	7	4.6150	1.0964	-0.5482	0.0	-3.5186	1.0000	-4.9458	1
N	4	8	17.5752	18.1475	9.0738	0.0	-0.5724	1.0000	-0.7989	1
N	4	9	7.5600	6.8383	3.4191	0.0	0.7217	1.0000	1.0136	1
N	4	10	15.8655	16.3445	8.1723	0.0	-0.4790	1.0000	-0.6698	1
N	4	11	8.3971	8.6257	4.3129	0.0	-0.2287	1.0000	-0.3211	1
N	4	12	16.1810	16.3937	-8.1969	0.0	0.2127	1.0000	0.2975	1
N	4	13	18.8533	18.8951	-9.4475	0.0	0.0417	1.0000	0.0583	1
N	4	14	6.4021	5.0915	2.5457	0.0	1.3106	1.0000	1.8418	1
N	4	15	3.9948	0.6068	0.3034	0.0	3.3879	1.0000	4.7634	1
N	4	16	12.5215	12.9917	6.4959	0.0	-0.4703	1.0000	-0.6596	1
N	4	17	7.9377	8.2367	4.1183	0.0	-0.2990	1.0000	-0.4201	1
N	4	18	9.3939	9.5704	4.7852	0.0	-0.1765	1.0000	-0.2478	1
N	4	19	5.5171	5.6187	2.8093	0.0	-0.1016	1.0000	-0.1429	1
N	4	20	7.2179	6.0883	-3.0441	0.0	-1.1296	1.0000	-1.5874	1
N	4	21	9.0593	8.2979	-4.1490	0.0	-0.7614	1.0000	-1.0695	1
N	4	22	17.7056	17.4986	8.7493	0.0	0.2071	1.0000	0.2899	1
N	4	23	4.3422	4.1412	2.0706	0.0	0.2011	1.0000	0.2827	1
N	4	24	13.8374	13.8889	6.9445	0.0	-0.0515	1.0000	-0.0722	1
N	6	-24	14.2213	13.3381	6.6691	0.0	0.8832	1.0000	1.2058	2
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N	6	-22	5.4170	5.2237	-2.6119	0.0	-0.1933	1.0000	-0.2645	2
N	6	-21	5.4787	5.3386	2.6693	0.0	0.1401	1.0000	0.1918	2
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N	6	-14	10.7817	11.1082	-5.5541	0.0	0.3265	1.0000	0.4461	2
N	6	-13	4.4284	4.6445	2.3223	0.0	-0.2161	1.0000	-0.2957	2

8	7	6.1808	5.2665	2.6332	0.0	-0.9143	1.0000	-1.2851	1
8	8	16.9803	17.3103	8.6582	0.0	-0.3360	1.0000	-0.4703	1
8	9	1.8031	1.1614	-0.5807	0.0	-0.6416	1.0000	-0.9023	1
10	10	13.5724	14.4138	7.2069	0.0	-0.8414	1.0000	-1.1799	1
8	11	14.4037	14.2938	-7.1469	0.0	-0.1098	1.0000	-0.1540	1
8	12	11.1592	10.6749	5.3375	0.0	0.4843	1.0000	0.6798	1
8	13	11.0253	10.5823	5.2912	0.0	0.4430	1.0000	0.6219	1
8	14	6.8331	6.3977	3.1988	0.0	0.4354	1.0000	0.6120	1
8	15	3.2314	3.4251	1.7126	0.0	-0.1938	1.0000	-0.2725	1
8	16	3.4957	2.4745	1.2372	0.0	1.0242	1.0000	1.4402	1
8	17	7.9422	7.4193	-3.7096	0.0	-0.5229	1.0000	-0.7347	1
8	19	5.3792	5.3042	-2.6521	0.0	-0.0750	1.0000	-0.1054	1
10	-16	9.0113	7.9264	-3.9632	0.0	-1.0849	1.0000	-1.5241	1
10	-15	5.2025	2.2194	1.1097	0.0	2.9831	1.0000	4.1938	1
10	-14	28.6243	29.3805	-14.6903	0.0	0.7562	1.0000	1.0514	1
10	-13	5.0033	4.9765	-2.4882	0.0	-0.0268	1.0000	-0.0377	1
10	-12	4.2233	2.5956	1.2978	0.0	1.6277	1.0000	2.2887	1
10	-11	2.0060	0.9378	0.4689	0.0	1.0681	1.0000	1.5021	1
10	-10	12.6452	11.9079	5.9535	0.0	0.7382	1.0000	1.0357	1
10	-9	0.8376	7.1396	3.5698	0.0	-0.3021	1.0000	-0.4245	1
10	-8	7.8995	6.9209	-3.4604	0.0	-0.9787	1.0000	-1.3751	1
10	-7	5.1872	2.2572	-1.1286	0.0	-2.9301	1.0000	-4.1191	1
10	-6	10.7068	9.5944	-4.7972	0.0	-1.1124	1.0000	-1.5618	1
10	-5	9.0675	8.4504	-4.2252	0.0	-0.6171	1.0000	-0.8668	1
10	-4	10.2667	16.7074	8.3537	0.0	-0.4407	1.0000	-0.6173	1
10	-3	4.2025	2.3845	1.1922	0.0	1.8180	1.0000	2.5561	1
10	-2	5.0976	5.1436	-2.5718	0.0	0.0461	1.0000	0.0648	1
10	-1	3.0152	1.9880	0.9943	0.0	1.0266	1.0000	1.4436	1
10	0	21.4902	21.2311	-10.6156	0.0	-0.2590	1.0000	-0.3618	1
10	1	6.0663	5.3406	-2.6703	0.0	-0.7258	1.0000	-1.0202	1
10	2	25.0697	25.0872	-12.5436	0.0	0.0176	1.0000	0.0245	1
10	3	4.6032	2.9880	-1.4940	0.0	-1.6153	1.0000	-2.2710	1
10	4	2.3089	1.5926	-0.7963	0.0	-0.7163	1.0000	-1.0073	1
10	5	5.0970	4.6094	2.3047	0.0	0.4875	1.0000	0.6855	1
10	6	9.3285	8.1490	-4.0745	0.0	-1.1795	1.0000	-1.6567	1
10	7	3.7168	3.8072	1.9036	0.0	-0.0904	1.0000	-0.1271	1
10	8	14.3005	14.4012	-7.2006	0.0	0.1007	1.0000	0.1412	1
10	10	4.6642	3.7306	-1.8653	0.0	-0.9336	1.0000	-1.3126	1
10	11	3.6719	2.8064	-1.4032	0.0	-0.8655	1.0000	-1.2170	1
10	12	19.7230	20.0113	10.0057	0.0	-0.2884	1.0000	-0.4033	1
10	14	3.0214	2.7604	-1.3802	0.0	-0.2610	1.0000	-0.3670	1
12	-5	14.7929	14.2719	-7.1360	0.0	-0.5210	1.0000	-0.7111	2
12	-4	21.1609	20.9168	-10.4584	0.0	-0.2441	1.0000	-0.3322	2
12	-3	4.3079	1.5953	-0.7977	0.0	-2.7125	1.0000	-3.7126	2
12	-2	23.3100	22.8790	-11.4395	0.0	-0.4309	1.0000	-0.5857	2
12	-1	18.0489	18.0304	9.0152	0.0	0.0184	1.0000	0.0251	2
12	0	5.2358	4.1822	2.0911	0.0	1.0536	1.0000	1.4419	2
12	1	8.4700	6.6200	-3.3100	0.0	-1.8500	1.0000	-2.5303	2
12	2	2.4541	3.5494	-1.7747	0.0	1.0953	1.0000	1.4993	2
12	3	13.6643	13.2826	-6.6413	0.0	-0.3816	1.0000	-0.5212	2
12	4	21.1357	19.6040	-9.8020	0.0	-1.5317	1.0000	-2.0845	2
1	-26	10.1406	8.7809	4.3905	0.0	1.3597	1.0000	1.9093	1
1	-25	10.4857	10.0307	5.0154	0.0	0.4549	1.0000	0.6388	1
1	-24	10.4505	8.9504	4.4752	0.0	1.5000	1.0000	2.1061	1
1	-23	2.7584	3.6923	1.8461	0.0	-0.9338	1.0000	-1.3132	1
1	-22	17.1584	17.3527	-8.6763	0.0	0.1943	1.0000	0.2719	1
1	-21	11.7882	11.6766	5.8383	0.0	0.1117	1.0000	0.1567	1
1	-20	7.0137	7.1064	3.5532	0.0	-0.0927	1.0000	-0.1302	1
1	-19	6.0139	7.0811	3.5405	0.0	-1.0672	1.0000	-1.4999	1
1	-18	11.1804	11.3926	5.6963	0.0	-0.2122	1.0000	-0.2977	1
1	-17	7.2946	6.6965	3.3483	0.0	0.5981	1.0000	0.8403	1

1	-16	2.3314	2.0066	-1.0033	0.0	-0.3248	1.0000	-0.4567	1
1	-15	12.8839	12.7741	-6.3370	0.0	-0.1098	1.0000	-0.1539	1
1	-14	18.9954	19.6046	-9.8023	0.0	0.6092	1.0000	0.8500	1
1	-13	7.5339	6.8109	3.4055	0.0	0.7230	1.0000	1.0154	1
1	-12	12.8616	13.1518	6.5759	0.0	-0.2902	1.0000	-0.4065	1
1	-11	17.1313	17.1124	8.5562	0.0	0.0190	1.0000	0.0265	1
1	-10	3.2276	0.6133	0.3066	0.0	-2.6144	1.0000	3.6758	1
1	-9	20.1713	21.1905	10.5953	0.0	-1.0192	1.0000	-1.4176	1
1	-8	12.5402	10.8521	5.4260	0.0	1.6382	1.0000	2.3634	1
1	-7	5.3260	0.9862	-0.4931	0.0	-4.3598	1.0000	-6.0983	1
1	-6	34.1355	31.1026	-15.5513	0.0	-3.0328	1.0000	-4.1483	1
1	-5	56.2489	52.1739	26.0370	0.0	4.0750	1.0000	5.3434	1
1	-4	19.6462	16.8204	8.4102	0.0	2.8259	1.0000	3.9341	1
1	-3	37.4625	34.4792	17.2396	0.0	2.9834	1.0000	4.0501	1
1	-2	19.7102	17.5986	8.7993	0.0	2.1116	1.0000	2.9387	1
1	-1	4.3957	2.7916	1.3958	0.0	1.6082	1.0000	2.2605	1
1	0	11.7733	9.6236	-4.8118	0.0	-2.1497	1.0000	-3.0121	1
1	1	14.1508	12.1949	-6.0974	0.0	-1.9559	1.0000	-2.7365	1
1	2	41.2104	36.2113	-18.1057	0.0	-4.9990	1.0000	-6.7576	1
1	3	37.6767	33.4497	16.7249	0.0	4.2270	1.0000	5.7530	1
1	4	52.0231	47.7381	23.8690	0.0	4.2650	1.0000	5.6927	1
1	5	8.9677	7.6970	-3.8485	0.0	-1.2707	1.0000	-1.7830	1
1	6	3.9462	3.1038	-1.5519	0.0	-0.8425	1.0000	-1.1844	1
1	7	9.3970	8.5531	-4.2765	0.0	-0.8439	1.0000	-1.1841	1
1	8	16.0396	16.6620	-8.3310	0.0	0.6224	1.0000	0.8698	1
1	9	13.1507	13.5376	6.7688	0.0	-0.3869	1.0000	-0.5418	1
1	10	4.3304	2.0207	1.3103	0.0	1.7097	1.0000	2.4035	1
1	11	35.1182	37.7241	18.8621	0.0	-2.6060	1.0000	-3.5713	1
1	12	22.8395	23.4719	11.7360	0.0	-0.6324	1.0000	-0.8797	1
1	13	4.5586	3.3130	1.6565	0.0	1.2456	1.0000	1.7511	1
1	14	14.1367	13.9310	-6.9655	0.0	-0.2057	1.0000	-0.2882	1
1	15	9.8508	9.1824	4.5912	0.0	0.6685	1.0000	0.9385	1
1	16	5.0448	4.2860	-2.1430	0.0	-0.7588	1.0000	-1.0668	1
1	17	14.8801	15.8285	7.9142	0.0	-0.9484	1.0000	-1.3288	1
1	18	3.1911	2.9775	-1.4888	0.0	-0.2136	1.0000	-0.3003	1
1	19	11.6382	10.8499	5.4250	0.0	0.7883	1.0000	1.1063	1
1	20	8.4433	8.3046	4.1523	0.0	0.1387	1.0000	0.1948	1
1	21	8.4204	7.1412	-3.5706	0.0	-1.2792	1.0000	-1.7971	1
1	22	3.7501	3.2063	-1.6034	0.0	-0.5432	1.0000	-0.7639	1
1	23	2.5658	1.8654	0.9327	0.0	0.7303	1.0000	1.0270	1
1	24	4.5089	4.2588	-2.1294	0.0	-0.2501	1.0000	-0.3516	1
3	-26	3.6464	3.0945	1.5473	0.0	0.5518	1.0000	0.7553	2
3	-25	14.3912	13.4057	6.7028	0.0	0.9855	1.0000	1.3453	2
3	-24	2.8849	0.5143	0.2571	0.0	2.3706	1.0000	3.2450	2
3	-23	32.0986	31.6946	15.8473	0.0	0.4039	1.0000	0.5450	2
3	-22	4.2199	1.3184	0.6592	0.0	2.9015	1.0000	3.9712	2
3	-21	17.7565	17.3346	8.6673	0.0	0.4220	1.0000	0.5749	2
3	-20	4.0413	3.2660	-1.6330	0.0	-0.7754	1.0000	-1.0612	2
3	-19	8.8157	7.7807	-3.8904	0.0	-1.0350	1.0000	-1.4151	2
3	-18	5.2143	4.1508	2.0754	0.0	1.0635	1.0000	1.4553	2
3	-17	42.7470	42.8198	21.4099	0.0	-0.0728	1.0000	-0.0967	2
3	-16	1.7642	5.0562	1.5281	0.0	-1.2914	1.0000	-1.7679	2
3	-15	37.9157	38.5625	19.2813	0.0	-0.6458	1.0000	-0.8620	2
3	-14	7.4404	6.7693	-3.3846	0.0	-0.6711	1.0000	-0.9178	2
3	-13	13.8186	13.7679	-6.8840	0.0	-0.0507	1.0000	-0.0692	2
3	-12	8.1833	7.1175	-3.5587	0.0	-1.0659	1.0000	-1.4571	2
3	-11	32.1309	33.9621	-16.9811	C.0	1.8312	1.0000	2.4530	2
3	-10	15.8660	16.3196	8.1598	0.0	-0.4536	1.0000	-0.6175	2
3	-9	56.8179	58.2529	29.1264	0.0	-1.4350	1.0000	-1.8396	2
3	-8	5.0260	3.9237	-1.9618	0.0	-1.1024	1.0000	-1.5083	2
3	-7	24.6805	25.6889	12.8445	0.0	-1.0084	1.0000	-1.3601	2

5	9	5.3503	5.0971	2.8486	0.0	-0.3409	1.0000	-0.4791	1
5	10	3.5933	0.2459	0.1229	0.0	3.3474	1.0000	4.7067	1
5	11	13.1015	12.7447	6.3724	0.0	0.3568	1.0000	0.5002	1
5	12	22.0234	23.2945	-11.6473	0.0	1.2712	1.0000	1.7730	1
5	13	16.2623	16.1646	8.0823	0.0	0.0977	1.0000	0.1368	1
5	14	13.6571	13.6578	6.8239	0.0	-0.0007	1.0000	-0.0010	1
5	15	14.7808	16.3993	6.1936	0.0	-1.6125	1.0000	-2.2598	1
5	16	3.4851	5.2246	1.6123	0.0	0.2605	1.0000	0.3663	1
5	17	10.0555	9.4868	4.7434	0.0	0.5686	1.0000	0.7985	1
5	18	4.1426	1.9476	-0.9738	0.0	-2.1951	1.0000	-3.0863	1
5	19	10.5641	9.7505	4.8753	0.0	0.8136	1.0000	1.1423	1
5	20	7.4176	6.6501	-3.3251	0.0	-0.7675	1.0000	-1.0785	1
5	21	2.9529	3.9704	1.9952	0.0	-1.0175	1.0000	-1.4309	1
5	22	5.4106	3.6069	1.8035	0.0	1.8036	1.0000	2.5355	1
7	-21	5.4249	4.8611	-2.4306	0.0	-0.5638	1.0000	-0.7926	1
7	-20	3.3456	1.4917	-0.7458	0.0	-1.8542	1.0000	-2.6073	1
7	-19	8.8200	8.7330	-4.3665	0.0	-0.0869	1.0000	-0.1221	1
7	-18	7.9083	7.7672	-3.8836	0.0	-0.1411	1.0000	-0.1983	1
7	-17	3.8678	2.9081	1.4540	0.0	0.9597	1.0000	1.3494	1
7	-16	2.7084	0.5107	-0.2553	0.0	-2.1977	1.0000	-3.0905	1
7	-15	9.3368	9.4801	4.7401	0.0	-0.1433	1.0000	-0.2013	1
7	-14	12.3121	10.9519	5.4760	0.0	1.3601	1.0000	1.9082	1
7	-13	24.9238	25.4903	-12.7451	0.0	0.5665	1.0000	0.7887	1
7	-12	7.0455	6.3335	-3.1658	0.0	-0.7120	1.0000	-1.0005	1
7	-11	19.4157	19.8264	-9.9132	0.0	0.4106	1.0000	0.5738	1
7	-10	8.9236	8.7585	-4.3793	0.0	-0.1651	1.0000	-0.2319	1
7	-9	6.4121	6.4420	-3.2210	0.0	0.0300	1.0000	0.0421	1
7	-8	7.7393	6.8340	3.4170	0.0	0.9054	1.0000	1.2720	1
7	-7	3.0443	1.5884	-0.7942	0.0	-1.4559	1.0000	-2.0472	1
7	-6	11.3361	11.7376	5.8668	0.0	-0.4015	1.0000	-0.5634	1
7	-5	29.0298	30.6232	-15.3116	0.0	1.5934	1.0000	2.2075	1
7	-4	12.9871	13.2259	-6.6130	0.0	0.2389	1.0000	0.3349	1
7	-3	2.1317	0.4243	-0.2124	0.0	-1.7069	1.0000	-2.4004	1
7	-1	12.4685	12.0736	6.0368	0.0	0.3949	1.0000	0.5538	1
7	0	8.5478	8.4517	4.2259	0.0	0.0961	1.0000	0.1349	1
7	1	4.6333	4.6038	2.3019	0.0	0.0295	1.0000	0.0415	1
7	2	3.1335	2.4058	1.2029	0.0	0.7277	1.0000	1.0232	1
7	3	25.2411	26.2945	-13.1473	0.0	1.0534	1.0000	1.4652	1
7	4	12.8947	13.5665	-6.7833	0.0	0.6718	1.0000	0.9421	1
7	5	2.0544	1.7470	-0.8735	0.0	-0.3074	1.0000	-0.4323	1
7	6	3.3444	1.2854	-0.0427	0.0	-2.0590	1.0000	-2.8953	1
7	7	6.4333	5.9524	-2.9762	0.0	-0.4809	1.0000	-0.6759	1
7	8	4.4517	4.0880	2.0440	0.0	0.3637	1.0000	0.5114	1
7	9	4.404	16.0209	-8.0105	0.0	-0.4195	1.0000	-0.5874	1
7	10	0.0526	2.1277	1.0639	0.0	1.9249	1.0000	2.7065	1
7	11	26.6244	27.4776	-13.7389	0.0	0.8534	1.0000	1.1871	1
7	12	9.9840	8.8173	-4.4086	0.0	-1.1668	1.0000	-1.6384	1
7	14	4.1638	2.3444	1.1722	0.0	1.8194	1.0000	2.5581	1
7	15	2.9429	2.7995	1.3998	0.0	0.1434	1.0000	0.2016	1
7	16	7.8849	8.0463	4.0231	0.0	-0.1613	1.0000	-0.2267	1
7	17	3.6236	4.1858	-2.0929	0.0	0.5622	1.0000	0.7905	1
7	18	3.2770	0.2839	-0.1419	0.0	-2.9931	1.0000	-4.2088	1
7	19	8.9988	8.3537	-4.1769	0.0	-0.6451	1.0000	-0.9063	1
9	-17	20.6538	20.1517	-10.0758	0.0	-0.5072	1.0000	-0.6904	2
9	-16	4.5528	2.7522	-1.3761	0.0	-1.8006	1.0000	-2.4645	2
9	-15	28.1767	27.8885	-13.9442	0.0	-0.2882	1.0000	-0.3904	2
9	-14	15.9662	15.5858	7.7929	0.0	0.3804	1.0000	0.5189	2
9	-13	5.6311	6.2373	3.1186	0.0	-0.6062	1.0000	-0.8295	2
9	-12	2.4652	0.4448	0.2224	0.0	2.0203	1.0000	2.7657	2
9	-11	8.1542	7.4505	3.7253	0.0	0.7037	1.0000	0.9625	2
9	-10	19.3939	20.1435	-10.0718	0.0	0.7496	1.0000	1.0208	2



MICROCOPY RESOLUTION TEST CHART
 NATIONAL BUREAU OF STANDARDS-1963-A

4	00	18	9.7326	9.3683	-4.6842	0.0	0.3642	1.0000	0.4980	2
4	00	20	2.9766	4.8622	-2.4311	0.0	1.8855	1.0000	2.5810	1
4	00	22	10.4314	9.4423	4.7212	0.0	0.9871	1.0000	1.3521	2
4	00	-24	3.7000	4.4178	2.2089	0.0	-0.7178	1.0000	-1.0093	1
4	NN	-23	6.6588	5.6854	-2.8427	0.0	-0.9734	1.0000	-1.3681	1
4	NN	-22	7.6898	6.9777	3.4888	0.0	0.7121	1.0000	1.0006	1
4	NN	-21	2.8497	1.4096	0.7048	0.0	1.4401	1.0000	2.0251	1
4	NN	-20	7.1231	6.4435	3.2218	0.0	0.6796	1.0000	0.9550	1
4	NN	-19	4.3568	4.3217	2.1608	0.0	0.0351	1.0000	0.0493	1
4	NN	-18	16.0308	15.3617	7.6809	0.0	0.6691	1.0000	0.9370	1
4	NN	-17	7.8816	6.6273	3.3136	0.0	1.2544	1.0000	1.7623	1
4	NN	-16	28.3299	29.8250	14.9125	0.0	-1.4951	1.0000	-2.0737	1
4	NN	-15	24.1040	24.9424	-12.4712	0.0	0.8384	1.0000	1.1669	1
4	NN	-14	6.6062	6.1855	3.0927	0.0	0.4207	1.0000	0.5911	1
4	NN	-13	9.6430	9.8584	4.9292	0.0	-0.2154	1.0000	-0.3024	1
4	NN	-12	3.6755	2.1462	-1.0731	0.0	-1.5293	1.0000	-2.1502	1
4	NN	-11	17.8691	18.4223	9.2112	0.0	-0.5532	1.0000	-0.7730	1
4	NN	-10	9.0281	7.1579	3.5789	0.0	0.8702	1.0000	1.2222	1
4	NN	-9	13.6810	14.1653	-7.0827	0.0	0.4843	1.0000	0.6784	1
4	NN	-8	2.6953	6.7659	0.3829	0.0	1.9294	1.0000	2.7130	1
4	NN	-7	26.7461	28.4789	-14.2594	0.0	1.7328	1.0000	2.3987	1
4	NN	-6	22.3483	22.2040	-11.1020	0.0	-0.1443	1.0000	-0.2006	1
4	NN	-5	42.2029	44.6053	22.3027	0.0	-2.4024	1.0000	-3.2508	1
4	NN	-4	11.3750	11.3287	5.6643	0.0	0.0464	1.0000	0.0650	1
4	NN	-3	9.0318	8.1127	-4.0563	0.0	-0.9191	1.0000	-1.2901	1
4	NN	-2	25.6065	26.7682	13.3841	0.0	-1.1617	1.0000	-1.6088	1
4	NN	-1	23.5520	24.6529	-12.0264	0.0	0.5008	1.0000	0.6952	1
4	NN	0	24.6761	25.2360	12.6180	0.0	-0.5599	1.0000	-0.7765	1
4	NN	1	8.1249	5.8373	2.9187	0.0	2.2875	1.0000	3.2122	1
4	NN	2	20.5052	21.0996	10.5498	0.0	-0.5944	1.0000	-0.8281	1
4	NN	3	25.6061	26.4162	13.2081	0.0	-0.8080	1.0000	-1.1203	1
4	NN	4	28.9711	30.5476	15.2738	0.0	-1.5766	1.0000	-2.1781	1
4	NN	5	21.6289	22.1692	-11.0846	0.0	0.5404	1.0000	0.7525	1
4	NN	6	13.0292	13.2187	6.6093	0.0	-0.1895	1.0000	-0.2655	1
4	NN	7	3.2404	1.2783	0.6391	0.0	1.9621	1.0000	2.7589	1
4	NN	8	2.9201	3.5298	1.7649	0.0	-0.6097	1.0000	-0.8573	1
4	NN	9	2.6966	1.8477	-0.9239	0.0	-0.8489	1.0000	-1.1937	1
4	NN	10	10.1948	9.7919	-4.8959	0.0	-0.4029	1.0000	-0.5656	1
4	NN	11	10.5929	9.4040	4.7023	0.0	1.1884	1.0000	1.6680	1
4	NN	12	3.6830	0.8997	-0.4497	0.0	-2.7837	1.0000	-3.9141	1
4	NN	13	8.7982	7.1904	-3.5952	0.0	-1.6079	1.0000	-2.2583	1
4	NN	14	4.9973	5.0072	2.5036	0.0	-0.0098	1.0000	-0.0138	1
4	NN	15	7.5243	7.0036	-3.5017	0.0	-0.5208	1.0000	-0.7318	1
4	NN	16	4.9736	6.0249	3.0125	0.0	-1.0513	1.0000	-1.4780	1
4	NN	17	4.0605	1.6726	-0.8363	0.0	-2.3879	1.0000	-3.3576	1
4	NN	18	4.0236	4.9544	2.4772	0.0	-0.9338	1.0000	-1.3129	1
4	NN	19	11.9512	12.6805	6.3402	0.0	-0.7292	1.0000	-1.0234	1
4	NN	20	15.8242	16.2809	8.1405	0.0	-0.4568	1.0000	-0.6401	1
4	NN	21	9.5235	8.7961	-4.3981	0.0	-0.7274	1.0000	-1.0217	1
4	NN	-23	8.5633	8.4561	-4.2281	0.0	-0.1071	1.0000	-0.1505	1
4	NN	-22	5.4426	2.0119	-1.0059	0.0	-1.4307	1.0000	-2.0118	1
4	NN	-21	4.3631	3.9659	1.9829	0.0	0.3972	1.0000	0.5585	1
4	NN	-20	3.7732	0.5489	-0.2744	0.0	-3.2244	1.0000	-4.5338	1
4	NN	-19	7.0295	6.6693	3.3347	0.0	0.3602	1.0000	0.5061	1
4	NN	-18	16.4202	16.0994	-8.0497	0.0	-0.3207	1.0000	-0.4492	1
4	NN	-17	6.7866	5.8788	-2.9394	0.0	-0.9078	1.0000	-1.2758	1
4	NN	-16	18.3985	19.4631	-9.7316	0.0	1.0647	1.0000	1.4889	1
4	NN	-15	14.1934	14.3522	-7.1761	0.0	0.1588	1.0000	0.2226	1
4	NN	-14	14.4340	14.2794	7.1397	0.0	0.1546	1.0000	0.2167	1
4	NN	-13	14.7979	15.5711	7.7855	0.0	-0.7732	1.0000	-1.0831	1
4	NN	-12	7.1899	6.2713	-3.1356	0.0	-0.9186	1.0000	-1.2907	1

4	4	-11	3.1536	2.2707	1.1354	0.0	0.8828	1.0000	1.2413	1
4	4	-10	13.9252	13.7321	-6.8060	0.0	-0.1932	1.0000	-0.2707	1
4	4	-9	11.1871	12.1688	-6.0844	0.0	0.9817	1.0000	1.3773	1
4	4	-3	7.6216	7.0732	-3.5366	0.0	-0.5484	1.0000	-0.7704	1
4	4	-7	5.3299	5.5580	-2.7790	0.0	-0.2720	1.0000	-0.3822	1
4	4	-6	7.5014	6.9898	3.4949	0.0	0.5116	1.0000	0.7187	1
4	4	-5	16.1053	16.5405	8.2702	0.0	-0.4351	1.0000	-0.6087	1
4	4	-4	21.5393	22.1240	-11.0620	0.0	0.5847	1.0000	0.8144	1
4	4	-3	7.4366	7.5977	-3.7939	0.0	0.1491	1.0000	0.2095	1
4	4	-2	18.6331	19.4650	-9.7325	0.0	0.8319	1.0000	1.1615	1
4	4	-1	5.3481	4.0580	-2.0290	0.0	-1.2902	1.0000	-1.8134	1
4	4	0	22.5021	23.9570	-11.9785	0.0	1.4550	1.0000	2.0249	1
4	4	1	7.2646	5.8146	-2.9073	0.0	-1.4502	1.0000	-2.0373	1
4	4	2	6.9320	6.2621	3.1311	0.0	0.6699	1.0000	0.9412	1
4	4	3	15.2374	15.1042	7.5521	0.0	0.1331	1.0000	0.1864	1
4	4	4	15.2041	15.3119	-7.6560	0.0	0.1079	1.0000	0.1510	1
4	4	6	17.9411	17.9423	-8.9711	0.0	0.0011	1.0000	0.0016	1
4	4	7	9.3795	10.3399	-5.1700	0.0	0.9604	1.0000	1.3485	1
4	4	8	2.6245	0.4682	0.2341	0.0	2.1563	1.0000	3.0323	1
4	4	9	4.5522	5.0263	-2.5131	0.0	0.4741	1.0000	0.6665	1
4	4	10	14.0370	14.5528	7.2764	0.0	-0.5158	1.0000	-0.7229	1
4	4	11	17.2496	17.1652	8.5826	0.0	0.0844	1.0000	0.1182	1
4	4	12	22.9525	23.3852	-11.6926	0.0	0.4328	1.0000	0.6034	1
4	4	13	12.1581	12.1190	-6.0595	0.0	-0.0391	1.0000	-0.0549	1
4	4	14	11.3888	10.5166	-5.2583	0.0	-0.8722	1.0000	-1.2241	1
4	4	15	12.4792	12.4952	-6.2476	0.0	0.0160	1.0000	0.0225	1
4	4	16	3.8425	1.7605	0.8803	0.0	2.0820	1.0000	2.9275	1
4	4	17	8.0780	8.0870	4.0435	0.0	-0.0090	1.0000	-0.0126	1
4	4	18	6.3289	6.6652	-3.3326	0.0	0.3362	1.0000	0.4726	1
4	4	19	8.4839	7.2926	3.6463	0.0	1.1913	1.0000	1.6737	1
4	4	20	15.9329	16.4416	-8.2208	0.0	0.5087	1.0000	0.7128	1
4	6	-21	3.2814	1.9051	-0.9526	0.0	-1.3763	1.0000	-1.8839	2
4	6	-20	18.0867	18.1668	-9.0834	0.0	0.0802	1.0000	0.1092	2
4	6	-19	11.4334	10.8556	5.4278	0.0	0.5773	1.0000	0.7896	2
4	6	-18	12.4902	11.9341	5.9670	0.0	0.5562	1.0000	0.7597	2
4	6	-17	8.6259	7.9509	-3.9754	0.0	-0.6750	1.0000	-0.9232	2
4	6	-16	13.8299	13.9433	-6.9717	0.0	0.1134	1.0000	0.1548	2
4	6	-15	10.1604	9.6974	-4.8487	0.0	-0.4630	1.0000	-0.6330	2
4	6	-14	35.7489	36.8491	-18.4246	0.0	1.1002	1.0000	1.4785	2
4	6	-13	8.0660	5.8864	2.9432	0.0	2.1796	1.0000	2.9809	2
4	6	-12	21.7027	21.3616	-10.6808	0.0	-0.3411	1.0000	-0.4636	2
4	6	-11	10.6659	10.1457	5.0728	0.0	0.5202	1.0000	0.7109	2
4	6	-10	9.6301	8.9058	4.4529	0.0	0.7243	1.0000	0.9901	2
4	6	-9	11.9645	11.4824	-5.7412	0.0	-0.4820	1.0000	-0.6584	2
4	6	-8	19.6584	19.7786	-9.8893	0.0	0.1202	1.0000	0.1636	2
4	6	-7	5.0047	3.0587	-1.5293	0.0	-1.9460	1.0000	-2.6630	2
4	6	-6	29.6478	29.6908	-14.8454	0.0	0.0429	1.0000	0.0580	2
4	6	-5	8.0047	6.2494	3.1247	0.0	1.7553	1.0000	2.4005	2
4	6	-4	11.6896	10.4782	-5.2391	0.0	-1.2115	1.0000	-1.6547	2
4	6	-3	8.5725	8.5997	4.2998	0.0	-0.0272	1.0000	-0.0372	2
4	6	-2	22.4850	22.7984	11.3992	0.0	-0.3134	1.0000	-0.4254	2
4	6	-1	16.0402	16.2255	-8.1128	0.0	0.1853	1.0000	0.2525	2
4	6	0	27.6068	27.7594	-13.8797	0.0	0.1525	1.0000	0.2062	2
4	6	1	4.4727	3.9648	-1.9824	0.0	-0.5078	1.0000	-0.6950	2
4	6	2	44.8119	45.1771	-22.5886	0.0	0.3652	1.0000	0.4849	2
4	6	3	13.6154	12.5704	6.2852	0.0	1.0450	1.0000	1.4264	2
4	6	4	10.1421	8.8650	-4.4425	0.0	-1.2571	1.0000	-1.7181	2
4	6	5	4.5085	4.1473	2.0737	0.0	0.3612	1.0000	0.4943	2
4	6	6	6.6608	5.6654	2.8327	0.0	0.9954	1.0000	1.3618	2
4	6	7	17.3921	17.4879	-8.7440	0.0	0.0959	1.0000	0.1307	2
4	6	8	48.6374	49.8271	-24.9136	0.0	1.1897	1.0000	1.5746	2

4	6	9	10.3681	8.2422	-4.1211	0.0	-2.1459	1.0000	-2.9331	22
4	6	10	27.0780	20.3101	-13.4051	0.0	-0.2686	1.0000	-0.3638	22
4	6	11	10.0898	9.4184	4.7092	0.0	0.6714	1.0000	0.9178	22
4	6	12	12.9102	13.0182	6.5091	0.0	-0.1020	1.0000	-0.1393	22
4	6	13	7.6252	7.4427	-3.7213	0.0	-0.1625	1.0000	-0.2496	22
4	6	14	2.8321	1.1992	0.5996	0.0	1.6329	1.0000	2.2353	22
4	6	15	8.3646	7.9429	-3.9714	0.0	-0.4517	1.0000	-0.6177	22
4	6	16	20.7656	20.9534	-13.4767	0.0	0.1878	1.0000	0.2546	22
4	6	17	7.2344	6.8970	3.4485	0.0	0.3875	1.0000	0.5301	22
4	6	18	5.6769	1.6152	-0.8076	0.0	-4.0617	1.0000	-5.5582	22
4	8	-16	13.3056	13.1694	-6.5847	0.0	-0.1361	1.0000	-0.1909	1
4	8	-15	14.2376	13.9275	6.9638	0.0	0.3101	1.0000	0.4348	1
4	8	-14	13.8257	13.5091	-6.7545	0.0	-0.3166	1.0000	-0.4440	1
4	8	-13	9.3021	8.9887	-4.4943	0.0	-0.3134	1.0000	-0.4401	1
4	8	-12	2.2379	0.8464	0.4232	0.0	1.3915	1.0000	1.9569	1
4	8	-11	5.2567	5.0066	-2.5033	0.0	-0.2501	1.0000	-0.3516	1
4	8	-10	3.1264	3.3099	1.6550	0.0	-0.1835	1.0000	-0.2581	1
4	8	-9	10.2463	9.9000	4.9500	0.0	0.3463	1.0000	0.4862	1
4	8	-7	7.9678	6.2989	3.1494	0.0	1.6689	1.0000	2.3449	1
4	8	-6	4.3958	2.4881	1.2440	0.0	1.9077	1.0000	2.6822	1
4	8	-5	15.4221	15.7030	-7.8515	0.0	0.2810	1.0000	0.3937	1
4	8	-4	3.1500	2.9108	1.4554	0.0	0.2392	1.0000	0.3363	1
4	8	-3	4.4798	2.8450	1.4225	0.0	1.6348	1.0000	2.2985	1
4	8	-2	12.0405	11.5267	-5.7533	0.0	-0.5138	1.0000	-0.7209	1
4	8	-1	2.9131	2.7306	1.3653	0.0	0.1825	1.0000	0.2567	1
4	8	0	18.3949	18.9603	-9.4802	0.0	0.5654	1.0000	0.7911	1
4	8	1	6.1701	3.5902	1.7951	0.0	2.5798	1.0000	3.6262	1
4	8	2	17.1547	17.6937	-8.8469	0.0	0.5391	1.0000	0.7548	1
4	8	3	9.2657	8.2867	-4.1433	0.0	-0.9791	1.0000	-1.3752	1
4	8	4	10.5891	9.8190	-4.9095	0.0	-0.7701	1.0000	-1.0813	1
4	8	5	11.9292	11.1795	-5.5898	0.0	-0.7497	1.0000	-1.0522	1
4	8	6	7.8051	6.4807	3.2403	0.0	1.3244	1.0000	1.8609	1
4	8	7	4.8191	5.5991	-2.7995	0.0	0.7799	1.0000	1.0965	1
4	8	8	6.0299	5.2775	2.6387	0.0	0.7524	1.0000	1.0576	1
4	8	9	6.6467	5.8618	2.9309	0.0	0.7850	1.0000	1.1033	1
4	8	10	12.5710	12.5459	-6.2729	0.0	-0.0251	1.0000	-0.0353	1
4	8	11	6.6073	6.4621	3.2311	0.0	0.1452	1.0000	0.2040	1
4	8	12	4.8220	3.7078	1.8539	0.0	1.1143	1.0000	1.5666	1
4	8	13	4.4237	4.6195	-2.3098	0.0	0.1959	1.0000	0.2754	1
4	8	14	7.7758	7.4690	3.7345	0.0	0.3068	1.0000	0.4312	1
4	10	-9	10.5187	9.5052	4.7526	0.0	1.0135	1.0000	1.4231	1
4	10	-7	3.0134	1.5961	0.7980	0.0	1.4174	1.0000	1.9932	1
4	10	-6	4.7880	5.5282	-2.7641	0.0	0.7402	1.0000	1.0406	1
4	10	-5	6.9372	5.8864	-2.9432	0.0	-1.0508	1.0000	-1.4768	1
4	10	-4	14.9738	15.3664	7.6832	0.0	-0.3925	1.0000	-0.5503	1
4	10	-3	2.8306	1.1011	0.5506	0.0	1.7295	1.0000	2.4321	1
4	10	-2	17.1839	17.6256	8.8128	0.0	-0.4417	1.0000	-0.6186	1
4	10	-1	4.7679	4.3281	2.1640	0.0	0.4398	1.0000	0.6184	1
4	10	0	3.4811	1.4464	0.7232	0.0	2.0347	1.0000	2.8611	1
4	10	1	4.5330	2.4683	-1.2341	0.0	-2.0647	1.0000	-2.9029	1
4	10	2	9.5804	8.7839	-4.3919	0.0	-0.7965	1.0000	-1.1187	1
4	10	3	4.6970	5.7100	-2.8550	0.0	1.0130	1.0000	1.4242	1
4	10	4	8.6557	8.2371	4.1186	0.0	0.4186	1.0000	0.5881	1
4	10	5	4.1912	2.8308	1.4154	0.0	1.3604	1.0000	1.9128	1
4	10	6	6.5065	5.2383	2.6192	0.0	1.2682	1.0000	1.7826	1
5	1	-22	7.5257	7.8089	-3.9045	0.0	0.2833	1.0000	0.3980	1
5	1	-20	1.8174	2.8978	-1.4489	0.0	1.0805	1.0000	1.5195	1
5	1	-19	7.1119	5.4305	2.7152	0.0	1.6814	1.0000	2.3630	1
5	1	-18	7.8942	7.8024	3.9012	0.0	0.0918	1.0000	0.1290	1
5	1	-17	3.8809	3.5854	-1.7927	0.0	-0.2955	1.0000	-0.4154	1
5	1	-16	6.8373	6.6509	3.3255	0.0	0.1864	1.0000	0.2619	1

5	1	-15	18.0472	18.3161	-9.1581	0.0	0.2689	1.0000	-0.3761	1
5	1	-14	16.9111	16.7711	-8.3855	0.0	-0.0400	1.0000	-0.0550	1
5	1	-13	10.9373	11.2332	-5.8166	0.0	0.2459	1.0000	0.3451	1
5	1	-12	3.3811	1.8750	0.9375	0.0	1.5060	1.0000	2.1176	1
5	1	-11	14.0540	14.6569	-7.3284	0.0	0.6038	1.0000	0.8462	1
5	1	-10	8.7333	7.9864	3.9932	0.0	0.7469	1.0000	1.0490	1
5	1	-9	10.4139	5.7497	-4.8749	0.0	-0.6692	1.0000	-0.9393	1
5	1	-8	5.3985	3.8427	1.9484	0.0	1.5058	1.0000	2.1166	1
5	1	-7	20.0337	20.7264	-10.3632	0.0	0.6927	1.0000	0.9669	1
5	1	-6	18.1562	19.1995	-9.5998	0.0	1.0433	1.0000	1.4582	1
5	1	-5	2.0996	0.3707	-0.1854	0.0	-1.7289	1.0000	-2.4313	1
5	1	-4	7.6822	6.5416	3.2708	0.0	1.1406	1.0000	1.6024	1
5	1	-3	9.5062	9.4259	4.7130	0.0	0.0802	1.0000	0.1127	1
5	1	-2	9.0131	8.3926	4.1963	0.0	0.6205	1.0000	0.8713	1
5	1	-1	2.1660	1.0052	0.5026	0.0	1.1608	1.0000	1.6325	1
5	1	0	3.0986	1.0300	-0.5150	0.0	-2.0686	1.0000	-2.9087	1
5	1	1	19.0577	19.0765	-9.5383	0.0	0.0189	1.0000	0.0264	1
5	1	2	22.4207	22.2095	-11.3048	0.0	0.1883	1.0000	0.2631	1
5	1	3	5.0000	2.6924	1.3442	0.0	0.9742	1.0000	1.3698	1
5	1	4	13.3325	12.6721	6.3360	0.0	0.6604	1.0000	0.9259	1
5	1	5	11.5710	11.4054	-5.7027	0.0	-0.1656	1.0000	-0.2323	1
5	1	6	10.3125	9.3123	4.6562	0.0	1.0002	1.0000	1.4041	1
5	1	7	22.3295	23.0507	-11.5254	0.0	0.7212	1.0000	1.0057	1
5	1	8	9.2759	7.7057	-3.8529	0.0	-1.5702	1.0000	-2.2051	1
5	1	9	20.3685	20.7614	-10.3807	0.0	0.3929	1.0000	0.5488	1
5	1	10	11.1053	10.6989	-5.3494	0.0	-0.4064	1.0000	-0.5704	1
5	1	11	2.9732	0.8201	-0.4101	0.0	-2.1530	1.0000	-3.0276	1
5	1	12	17.9963	17.7851	8.8926	0.0	0.2112	1.0000	0.2955	1
5	1	13	3.7987	3.8559	-1.9280	0.0	0.0572	1.0000	0.0804	1
5	1	14	3.2067	0.3530	-0.1765	0.0	-2.8537	1.0000	-4.0128	1
5	1	15	1.9295	4.0521	-2.0261	0.0	2.1226	1.0000	2.9851	1
5	1	16	10.2810	10.6222	-5.3111	0.0	0.3412	1.0000	0.4791	1
5	1	18	4.6384	2.4498	-1.2249	0.0	-2.1886	1.0000	-3.0771	1
5	3	-21	2.6415	2.6255	1.3128	0.0	0.0159	1.0000	0.0218	2
5	3	-20	5.0474	4.3035	-2.1518	0.0	-0.7439	1.0000	-1.0181	2
5	3	-19	29.0038	28.7583	-14.3791	0.0	-0.2455	1.0000	-0.3322	2
5	3	-18	6.6609	6.0543	3.0272	0.0	0.6266	1.0000	0.8572	2
5	3	-17	5.1229	5.3764	-2.6882	0.0	0.2535	1.0000	0.3469	2
5	3	-16	2.7316	0.5906	0.2953	0.0	2.1410	1.0000	2.9307	2
5	3	-15	15.8900	14.9204	7.4602	0.0	0.9696	1.0000	1.3224	2
5	3	-14	6.7666	5.7280	-2.8640	0.0	-1.0386	1.0000	-1.4209	2
5	3	-13	21.6934	20.8431	-10.4215	0.0	-0.8503	1.0000	-1.1558	2
5	3	-12	4.9778	2.6674	-1.3337	0.0	-2.3103	1.0000	-3.1617	2
5	3	-11	54.4863	55.9311	-27.9656	0.0	1.4448	1.0000	1.8934	2
5	3	-10	7.9845	6.4122	3.2061	0.0	1.5723	1.0000	2.1502	2
5	3	-9	5.7669	3.9198	1.9599	0.0	1.8472	1.0000	2.5274	2
5	3	-8	3.1875	1.6192	-0.8096	0.0	-1.5683	1.0000	-2.1466	2
5	3	-7	3.3599	2.8424	-1.4212	0.0	-0.5175	1.0000	-0.7083	2
5	3	-6	5.1491	4.0742	-2.0371	0.0	-1.0750	1.0000	-1.4710	2
5	3	-5	40.7734	41.9711	-20.9855	0.0	1.1976	1.0000	1.5954	2
5	3	-4	4.3006	0.5796	-0.2898	0.0	-3.7210	1.0000	-5.0925	2
5	3	-3	33.4146	34.2745	-17.1373	0.0	0.8596	1.0000	1.1547	2
5	3	-2	8.6590	7.9122	3.9561	0.0	0.7468	1.0000	1.0210	2
5	3	-1	21.5209	22.4336	11.2168	0.0	-0.9127	1.0000	-1.2395	2
5	3	0	5.6591	4.4400	-2.2200	0.0	-1.2191	1.0000	-1.6681	2
5	3	1	5.9546	4.3877	-2.1938	0.0	-1.5670	1.0000	-2.1440	2
5	3	2	6.1128	4.7840	-2.3920	0.0	-1.3288	1.0000	-1.8181	2
5	3	3	29.2180	28.7773	-14.3886	0.0	-0.4407	1.0000	-0.5952	2
5	3	4	2.4895	1.4294	0.7147	0.0	1.0601	1.0000	1.4512	2
5	3	5	28.1629	28.0250	-14.0125	0.0	-0.1379	1.0000	-0.1864	2
5	3	6	4.6909	4.2919	2.1459	0.0	0.3990	1.0000	0.5461	2

7	4	11.3506	11.2673	-5.6339	0.0	-0.0828	1.0000	-0.1162	1
7	5	5.3837	4.9535	2.4767	0.0	0.4302	1.0000	0.6048	1
7	6	5.7169	5.3692	-2.6846	0.0	-0.3478	1.0000	-0.4869	1
7	7	18.1559	18.3542	9.1796	0.0	-0.2033	1.0000	-0.2846	1
7	8	10.4806	9.8657	4.9329	0.0	0.6149	1.0000	0.8634	1
7	9	4.4363	3.9237	1.9618	0.0	0.5127	1.0000	0.7208	1
7	10	2.9822	0.6765	-0.3383	0.0	-2.3056	1.0000	-3.2423	1
10	11	10.1962	9.3256	-4.6628	0.0	-0.8705	1.0000	-1.2225	1
9	16	11.3981	11.6121	5.8061	0.0	-0.2141	1.0000	-0.2925	2
9	15	21.8629	21.7463	10.8731	0.0	0.1167	1.0000	0.1587	2
9	14	3.5095	1.9784	0.9892	0.0	1.8311	1.0000	2.5063	2
9	13	26.2693	26.4940	13.2470	0.0	-0.2248	1.0000	-0.3049	2
9	12	13.9969	14.3327	-7.1064	0.0	0.3358	1.0000	0.4585	2
9	11	3.9999	6.0887	-3.0444	0.0	2.0888	1.0000	2.8591	2
9	0	6.9059	5.4206	2.7103	0.0	1.4853	1.0000	2.0321	2
1	1	3.3144	1.6855	0.8427	0.0	1.6290	1.0000	2.2298	2
2	2	11.6810	10.2137	5.1068	0.0	1.4674	1.0000	2.0052	2
2	16	15.0251	14.3753	-7.1876	0.0	-0.6498	1.0000	-0.8867	2
14	14	10.0742	9.1045	4.5522	0.0	0.9697	1.0000	1.3256	2
12	12	2.9185	2.9432	1.4716	0.0	-0.0247	1.0000	-0.0339	2
10	10	30.1314	30.4420	-15.2210	0.0	0.3106	1.0000	0.4195	2
8	8	20.6760	20.5620	-10.2810	0.0	-0.1140	1.0000	-0.1550	2
6	6	8.6177	7.9330	-3.9665	0.0	-0.6846	1.0000	-0.9362	2
4	4	4.8423	3.6096	-1.8048	0.0	-1.2327	1.0000	-1.6870	2
2	2	42.9346	45.6255	-22.8127	0.0	2.6909	1.0000	3.5840	2
0	0	22.2099	22.8449	-11.4225	0.0	0.6350	1.0000	0.8629	2
2	2	17.4726	17.5215	8.7607	0.0	-0.0489	1.0000	-0.0666	2
4	4	4.5250	3.1911	-1.5955	0.0	-1.3339	1.0000	-1.8257	2
6	6	44.7175	45.1071	-22.5536	0.0	0.3896	1.0000	0.5193	2
8	8	6.5450	7.3884	3.6942	0.0	-0.8434	1.0000	-1.1539	2
10	10	12.9991	12.8308	6.4154	0.0	0.1684	1.0000	0.2300	2
12	12	28.8965	29.3233	-14.6616	0.0	0.4267	1.0000	0.5777	2
14	14	2.7286	1.0089	0.5044	0.0	1.7197	1.0000	2.4184	1
16	16	8.1647	8.2506	4.1253	0.0	-0.0859	1.0000	-0.1207	1
15	15	12.4266	12.0457	-6.0228	0.0	-0.3809	1.0000	-0.5345	1
14	14	4.5752	4.7577	2.3788	0.0	-0.1825	1.0000	-0.2565	1
13	13	7.7747	6.7092	3.3546	0.0	1.0655	1.0000	1.4971	1
12	12	4.5043	3.7543	-1.8772	0.0	-0.7500	1.0000	-1.0544	1
11	11	5.7417	5.1765	2.5883	0.0	0.5652	1.0000	0.7945	1
10	10	8.6051	8.0841	-4.0420	0.0	-0.5211	1.0000	-0.7320	1
9	9	2.2687	2.2719	-1.1360	0.0	0.0033	1.0000	0.0046	1
8	8	5.5463	5.9847	-2.9923	0.0	0.4384	1.0000	0.6162	1
7	7	9.8108	10.2441	-5.1220	0.0	0.4333	1.0000	0.6084	1
6	6	18.8274	19.6264	-9.8132	0.0	0.7990	1.0000	1.1173	1
5	5	10.0098	8.6921	4.3460	0.0	1.3178	1.0000	1.8504	1
4	4	22.6591	23.8479	-11.9239	0.0	1.1888	1.0000	1.6583	1
3	3	6.5769	4.1289	2.0644	0.0	2.4480	1.0000	3.4404	1
2	2	10.7747	11.7422	-5.8711	0.0	0.9676	1.0000	1.3582	1
1	1	3.6336	1.0305	-0.5153	0.0	-2.6034	1.0000	-3.6606	1
0	0	5.2358	4.1892	2.0946	0.0	1.0467	1.0000	1.4714	1
1	1	12.2152	12.0849	-6.0425	0.0	-0.1303	1.0000	-0.1828	1
2	2	5.5403	4.2652	-2.1326	0.0	-1.2751	1.0000	-1.7924	1
3	3	12.5186	13.0469	6.5235	0.0	-0.5283	1.0000	-0.7413	1
4	4	3.2377	0.7363	-0.3682	0.0	-2.5014	1.0000	-3.5174	1
5	5	7.4127	6.8187	3.4093	0.0	0.5940	1.0000	0.8348	1
6	6	10.1992	9.4396	4.7198	0.0	0.7596	1.0000	1.0666	1
7	7	9.2689	8.7258	-4.3629	0.0	-0.5431	1.0000	-0.7628	1
8	8	3.6434	2.4111	1.2056	0.0	1.2323	1.0000	1.7327	1
9	9	6.4574	5.8558	-2.9279	0.0	-0.6017	1.0000	-0.8457	1
10	10	17.0441	17.1223	-8.5612	0.0	0.0782	1.0000	0.1095	1
11	11	15.8895	15.9728	7.9864	0.0	-0.0833	1.0000	-0.1168	1

6	2	12	11.8460	11.4749	-5.7374	0.0	-0.3717	1.0000	-0.5217	1
6	2	13	4.1291	4.3615	-2.1808	0.0	-0.2325	1.0000	-0.3269	1
6	4	-15	11.1070	10.6763	-5.3381	0.0	-0.4307	1.0000	-0.6047	1
6	4	-14	5.3590	4.3469	2.1735	0.0	1.0120	1.0000	1.4227	1
6	4	-13	2.9833	2.5271	1.2636	0.0	0.4561	1.0000	0.6414	1
6	4	-12	13.8378	14.3141	7.1571	0.0	-0.4764	1.0000	-0.6680	1
6	4	-11	10.8026	11.6679	5.8340	0.0	-0.8653	1.0000	-1.2148	1
6	4	-10	3.1626	0.5964	0.2982	0.0	-2.5662	1.0000	3.6085	1
6	4	-9	4.6314	4.3451	-2.1725	0.0	-0.2864	1.0000	-0.4026	1
6	4	-8	4.6628	5.4071	-2.7036	0.0	0.7443	1.0000	1.0464	1
6	4	-7	13.1312	13.5777	-6.7889	0.0	0.4465	1.0000	0.6263	1
6	4	-6	22.9631	24.2202	12.1101	0.0	-1.2371	1.0000	-1.7259	1
6	4	-5	14.3968	15.1943	7.5972	0.0	-0.7975	1.0000	-1.1181	1
6	4	-4	11.3814	10.4863	5.2432	0.0	0.8951	1.0000	1.2564	1
6	4	-3	4.5440	4.2507	2.1254	0.0	0.2932	1.0000	0.4123	1
6	4	-2	3.6474	2.2820	-1.1410	0.0	-1.3654	1.0000	-1.8199	1
6	4	-1	12.6068	13.0274	-6.5137	0.0	0.4207	1.0000	0.5901	1
6	4	0	4.9761	4.5398	2.2699	0.0	0.4363	1.0000	0.6133	1
6	4	1	3.3638	0.6595	-0.3297	0.0	-2.7043	1.0000	-3.8027	1
6	4	2	14.9747	14.0930	7.0465	0.0	0.8816	1.0000	1.2358	1
6	4	3	14.4219	15.0151	7.5076	0.0	-0.5932	1.0000	-0.8317	1
6	4	4	3.6142	0.9514	-0.4757	0.0	-2.6628	1.0000	-3.7443	1
6	4	5	3.7376	3.6863	-1.8431	0.0	-0.0513	1.0000	-0.0722	1
6	4	6	2.2477	0.3043	0.1522	0.0	1.9434	1.0000	2.7329	1
6	4	8	2.0126	1.1817	0.5909	0.0	0.8311	1.0000	1.1687	1
6	4	9	4.3900	2.9488	1.4744	0.0	1.4413	1.0000	2.0265	1
6	4	10	13.4046	13.1456	6.5728	0.0	0.2590	1.0000	0.3633	1
6	4	11	5.5005	5.0989	2.5494	0.0	0.4016	1.0000	0.5645	1
6	6	-11	9.0930	9.0897	4.5449	0.0	0.0033	1.0000	0.0045	2
6	6	-10	24.1156	24.1573	12.0787	0.0	-0.0468	1.0000	-0.0635	2
6	6	-9	3.6299	0.6790	-0.3395	0.0	-2.9509	1.0000	-4.0391	2
6	6	-8	17.8151	17.7402	8.8701	0.0	0.0749	1.0000	0.1021	2
6	6	-7	8.7840	7.1229	-3.5615	0.0	-1.6611	1.0000	-2.2716	2
6	6	-6	4.4451	5.4584	-2.7292	0.0	1.0134	1.0000	1.3870	2
6	6	-5	2.3475	2.9464	1.4732	0.0	-0.5989	1.0000	-0.8198	2
6	6	-4	4.6684	4.2406	2.1203	0.0	0.4279	1.0000	0.5856	2
6	6	-3	10.0846	9.9041	4.9521	0.0	0.1805	1.0000	0.2468	2
6	6	-2	34.0005	36.3606	18.1803	0.0	-2.3601	1.0000	-3.1803	2
6	6	-1	9.3878	7.7633	-3.8817	0.0	-1.6245	1.0000	-2.2212	2
6	6	0	10.7584	9.5804	4.7902	0.0	1.1780	1.0000	1.6102	2
6	6	1	4.6076	4.6142	-2.3071	0.0	0.0066	1.0000	0.0090	2
6	6	2	8.6104	8.2097	-4.1048	0.0	-0.4008	1.0000	-0.5481	2
6	6	3	7.4217	6.3179	3.1590	0.0	1.1038	1.0000	1.5100	2
6	6	4	14.7196	13.8532	6.9266	0.0	0.8664	1.0000	1.1827	2
6	6	5	6.2970	5.3305	2.6652	0.0	0.9665	1.0000	1.3225	2
6	6	6	25.9747	25.9600	12.9800	0.0	0.0147	1.0000	0.0200	2
7	1	-9	5.2654	4.5263	2.2632	0.0	0.7391	1.0000	1.0390	1
7	1	-8	4.8470	5.5476	2.7738	0.0	-0.7006	1.0000	-0.9850	1
7	1	-7	8.3967	7.4079	-3.7040	0.0	-0.9388	1.0000	-1.3892	1
7	1	-6	9.3168	8.3801	-4.1900	0.0	-0.9368	1.0000	-1.3157	1
7	1	-5	3.2337	0.5061	0.2530	0.0	2.7276	1.0000	3.8356	1
7	1	-4	4.7103	0.3980	-0.1990	0.0	-4.3123	1.0000	-6.0628	1
7	1	-3	12.5912	12.1154	6.0577	0.0	0.4759	1.0000	0.6677	1
7	1	-2	7.7573	7.6847	3.8423	0.0	0.0726	1.0000	0.1021	1
7	1	-1	12.7491	13.6514	6.8257	0.0	-0.9023	1.0000	-1.2659	1
7	1	0	3.0532	2.5341	1.2670	0.0	0.5191	1.0000	0.7300	1
7	1	1	2.1598	1.9083	0.9542	0.0	0.2515	1.0000	0.3536	1
7	1	2	12.5454	12.7549	-6.3775	0.0	0.2096	1.0000	0.2941	1
7	1	3	11.8864	11.1266	5.5633	0.0	0.7598	1.0000	1.0663	1
7	1	4	4.8069	3.9204	1.9602	0.0	0.8865	1.0000	1.2463	1
7	1	5	14.0270	13.5026	6.7513	0.0	0.5244	1.0000	0.7354	1

7	3	-7	26.5584	26.4382	13.2191	0.0	-0.1202	1.0000	-0.1630	NNNNNNNN
7	3	-6	5.9886	5.4886	-1.7443	0.0	-2.5001	1.0000	-3.4210	
7	3	-5	7.6537	6.3479	3.1740	0.0	1.3058	1.0000	1.7862	
7	3	-4	3.3825	1.9384	-0.9692	0.0	-1.4441	1.0000	-1.9767	
7	3	-3	11.3684	11.4746	-5.7373	0.0	0.1062	1.0000	0.1452	
7	3	-2	5.2268	5.3462	2.6731	0.0	0.8806	1.0000	1.2049	
7	3	-1	26.3742	26.8563	13.4284	0.0	-0.4826	1.0000	-0.6545	
7	3	0	4.8486	0.2441	0.1221	0.0	4.6045	1.0000	6.3016	
7	3	1	27.6733	27.3789	13.6895	0.0	0.2944	1.0000	0.3990	

NC= 1340 NV= 59

DISCREPANCY FACTORS BASED ON PARAMETERS BEFORE CYCLE 1

SUM(W*(O-C)**2) IS 0.4216E+04

SGRTF(SUM(W*(C-C)**2/NU-NV) IS 1.8315

	NUMERATOR	DENOMINATOR	R
R FACTOR INCLUDING ZEROS	1757.505	25522.508	0.069
R FACTOR OMITTING ZEROS	1757.505	25522.508	0.069
WEIGHTED R FACTOR INCLUDING ZEROS	64.933	914.779	0.071
WEIGHTED R FACTOR OMITTING ZEROS	64.933	914.779	0.071

MUSCOVITE DATA AT 650 C REFINEMENT STARTING 17 APRIL 85 C2/C
 PRE-CYCLE 1

H	K	L	Y(OBS)	Y(CALC)	A	B	OBS-CALC	SIG(O)	(O-C)/SIG(O)	IO
C	0	2	36.0068	34.2083	17.1042	0.0	1.7985	1.0000	2.0675	2
C	0	4	39.2577	38.6204	-19.3102	0.0	-0.6373	1.0000	-0.7727	2
C	0	8	42.7549	45.0589	22.5294	0.0	-2.3040	1.0000	-2.9105	2
C	0	12	6.6113	3.6744	1.8372	0.0	2.9370	1.0000	3.9889	2
C	0	14	37.1919	37.2527	18.6263	0.0	-0.0607	1.0000	-0.0799	2
C	0	16	53.1300	55.9409	27.9705	0.0	-2.8109	1.0000	-3.6118	2
C	0	18	12.7039	13.4472	6.7236	0.0	-0.7433	1.0000	-1.0074	2
C	0	20	23.0667	22.2718	11.1359	0.0	0.8170	1.0000	1.1004	2
C	0	22	36.5770	37.3360	18.6680	0.0	-0.7591	1.0000	-1.0108	2
C	0	24	28.2721	27.5150	13.7575	0.0	0.7571	1.0000	1.0177	2
C	0	26	21.7984	20.9528	-10.4704	0.0	-0.8455	1.0000	-1.1420	2
C	0	28	3.2182	3.3314	-1.6657	0.0	0.1131	1.0000	0.1538	2
C	0	0	17.8055	18.0047	9.0023	0.0	-0.2012	1.0000	-0.2754	1
C	0	1	18.8086	18.4918	9.2459	0.0	0.3168	1.0000	0.4328	1
C	0	2	24.6081	25.6049	12.9025	0.0	-1.1968	1.0000	-1.6122	1
C	0	3	47.2422	51.2076	29.6038	0.0	-3.9654	1.0000	-4.9612	1
C	0	4	50.3189	53.4819	26.7410	0.0	-3.1631	1.0000	-3.9517	1
C	0	6	8.1826	3.8805	-1.9403	0.0	-4.3021	1.0000	-6.0117	1
C	0	7	15.7957	17.0356	8.5178	0.0	-1.2399	1.0000	-1.7200	1
C	0	8	4.4592	3.2218	1.6109	0.0	1.2375	1.0000	1.7334	1
C	0	9	12.5260	13.0673	6.5336	0.0	-0.5412	1.0000	-0.7545	1
C	0	10	13.4577	13.8918	6.9459	0.0	-0.5341	1.0000	-0.7444	1
C	0	11	7.4016	6.4767	3.2384	0.0	0.9249	1.0000	1.2948	1
C	0	12	18.9412	18.7597	9.3799	0.0	0.1815	1.0000	0.2525	1
C	0	13	31.7021	33.5728	-16.7864	0.0	1.8708	1.0000	2.5610	1
C	0	14	4.5940	3.1920	-1.5960	0.0	-1.4019	1.0000	-1.9644	1
C	0	15	15.3792	15.0180	7.5090	0.0	0.3612	1.0000	0.5037	1
C	0	16	10.9435	11.7563	5.8782	0.0	-0.8129	1.0000	-1.1367	1
C	0	17	7.1169	7.3445	3.6722	0.0	-0.2256	1.0000	-0.3160	1
C	0	18	14.1114	14.4038	7.2019	0.0	-0.2924	1.0000	-0.4084	1
C	0	19	3.5726	3.1993	1.5997	0.0	0.3733	1.0000	0.5231	1
C	0	20	11.2435	11.7230	5.8615	0.0	-0.4795	1.0000	-0.6708	1
C	0	21	12.6694	13.0237	-6.5119	0.0	0.3543	1.0000	0.4954	1
C	0	22	4.2699	3.5627	1.7813	0.0	0.7072	1.0000	0.9912	1
C	0	23	9.4607	8.2116	4.1058	0.0	1.2491	1.0000	1.7487	1
C	0	24	7.1490	7.2672	3.6336	0.0	-0.1183	1.0000	-0.1657	1
C	0	25	4.3410	4.6965	2.3482	0.0	-0.3555	1.0000	-0.4983	1
C	0	26	6.3557	5.3113	2.6557	0.0	1.0444	1.0000	1.4633	1
C	0	27	3.9495	2.9871	-1.4936	0.0	-0.9624	1.0000	-1.3489	1
C	0	28	3.2677	4.0102	2.0051	0.0	-0.7425	1.0000	-1.0407	1
C	0	0	18.2874	16.5992	-8.2996	0.0	-1.6882	1.0000	-2.3360	1
C	4	1	24.8656	23.6940	-11.8470	0.0	-1.1715	1.0000	-1.6045	1
C	4	2	30.3309	29.9951	14.9975	0.0	0.3358	1.0000	0.4552	1
C	4	3	22.2846	23.0365	11.5183	0.0	-0.7519	1.0000	-1.0349	1
C	4	4	32.1015	35.4577	-17.7288	0.0	3.3561	1.0000	4.5429	1
C	4	5	4.7624	4.7218	-2.3609	0.0	-0.0406	1.0000	-0.0569	1
C	4	6	29.4123	29.4403	-14.7201	0.0	0.0280	1.0000	0.0382	1
C	4	7	21.6042	20.1880	-10.0940	0.0	-1.4162	1.0000	-1.9624	1
C	4	8	11.1156	8.6761	-4.3381	0.0	-2.4395	1.0000	-3.4096	1
C	4	9	6.2011	3.8966	1.9483	0.0	2.3046	1.0000	3.2279	1
C	4	10	16.7337	17.8676	-8.9338	0.0	1.1339	1.0000	1.5783	1
C	4	11	25.9366	26.2334	13.1167	0.0	-0.2962	1.0000	-0.4096	1
C	4	12	56.0124	59.3360	-29.6680	0.0	3.3237	1.0000	4.3801	1
C	4	13	31.1299	33.0765	-16.5383	0.0	1.9466	1.0000	2.6737	1
C	4	14	15.0468	15.2583	7.6292	0.0	-0.2115	1.0000	-0.2951	1
C	4	15	1.8552	1.0947	0.5474	0.0	0.7605	1.0000	1.0660	1

650°C

Muscovite
 Panasqueira, Portugal

Guggenheim et al
 1987

0	4	16	6.96675	7.81883	13.30994	0.000	2.3487	1.00000	-0.4884	1
0	4	17	13.5385	17.2553	-13.30994	0.000	-2.3487	1.00000	-1.3453	1
0	4	18	13.5385	17.2553	-13.30994	0.000	0.3795	1.00000	1.2274	1
0	4	19	9.3364	5.6567	-2.6283	0.000	0.3202	1.00000	0.4497	1
0	4	20	12.6606	13.5228	-6.7614	0.000	0.8622	1.00000	1.2057	1
0	4	21	12.9285	12.5019	6.2510	0.000	0.4265	1.00000	0.5965	1
0	4	22	12.1222	11.4077	5.7038	0.000	0.7145	1.00000	0.9995	1
0	4	23	12.2684	11.7858	-5.8929	0.000	-0.5026	1.00000	-0.7030	1
0	4	24	4.2493	3.8775	1.9387	0.000	0.3718	1.00000	0.5211	1
0	4	25	10.7576	10.6489	-3.3245	0.000	-0.1087	1.00000	-0.1521	1
0	6	1	23.6634	24.0999	12.0499	0.000	-0.4365	1.00000	-0.5856	2
0	6	2	31.3424	31.3909	-15.6955	0.000	0.0435	1.00000	0.0644	2
0	6	3	10.7873	10.1154	5.0577	0.000	0.6719	1.00000	0.9110	2
0	6	4	4.5876	3.7330	1.8665	0.000	0.8545	1.00000	1.1613	2
0	6	5	10.4219	11.0600	-5.5300	0.000	0.6381	1.00000	0.8655	2
0	6	6	21.1776	21.9165	-10.9582	0.000	0.7386	1.00000	0.9945	2
0	6	7	12.7253	13.3462	-6.6731	0.000	0.6208	1.00000	0.8411	2
0	6	8	49.3561	49.5961	-24.7980	0.000	1.2399	1.00000	1.6122	2
0	6	9	23.6173	24.7672	12.3836	0.000	-1.1499	1.00000	-1.5461	2
0	6	10	22.6572	23.9830	11.9940	0.000	-1.3308	1.00000	-1.7916	2
0	6	11	5.1816	3.4713	-1.7357	0.000	-1.7103	1.00000	-2.3244	2
0	6	12	15.0084	15.4746	7.7373	0.000	-0.4662	1.00000	-0.6313	2
0	6	13	16.6866	16.9160	-8.4580	0.000	0.2294	1.00000	0.3104	2
0	6	14	29.5614	30.3891	-15.1946	0.000	0.8278	1.00000	1.1099	2
0	6	15	2.5224	0.1816	-0.0908	0.000	-2.3408	1.00000	-3.1826	2
0	6	16	43.8295	44.3134	-22.1567	0.000	0.4839	1.00000	0.6401	2
0	6	17	15.5050	16.1987	8.0994	0.000	-0.6937	1.00000	-0.9399	2
0	6	18	6.7917	6.0331	-3.0166	0.000	-0.7586	1.00000	-1.0308	2
0	6	19	11.6510	10.9306	-5.4653	0.000	-0.7204	1.00000	-0.9778	2
0	6	20	31.1033	31.3320	-15.6660	0.000	0.2288	1.00000	0.3072	2
0	6	21	6.4379	6.0886	3.0443	0.000	0.3493	1.00000	0.4747	2
0	6	22	15.7207	15.5931	-7.7965	0.000	-0.1276	1.00000	-0.1730	2
0	6	23	5.8984	5.3053	2.6526	0.000	0.5932	1.00000	0.8062	2
0	8	0	14.2233	15.7634	-7.8817	0.000	1.5401	1.00000	2.1504	1
0	8	1	5.9845	4.3043	2.1521	0.000	1.6802	1.00000	2.3538	1
0	8	2	15.3654	16.3003	-8.1501	0.000	0.9348	1.00000	1.3045	1
0	8	3	13.9885	14.5860	-7.2930	0.000	0.5975	1.00000	0.8344	1
0	8	4	8.3635	7.4297	-3.7149	0.000	-0.9337	1.00000	-1.3073	1
0	8	5	12.1469	11.8247	5.9123	0.000	0.3222	1.00000	0.4505	1
0	8	6	8.9424	9.2940	-4.6470	0.000	0.3516	1.00000	0.4922	1
0	8	7	10.8918	10.4193	5.2096	0.000	0.4725	1.00000	0.6610	1
0	8	8	7.0515	6.5091	-3.2545	0.000	-0.5425	1.00000	-0.7598	1
0	8	9	8.3023	8.2564	-4.1282	0.000	-0.0459	1.00000	-0.0643	1
0	8	10	3.0190	1.8733	-0.9366	0.000	-1.1457	1.00000	-1.6059	1
0	8	11	13.9786	14.0779	-7.0390	0.000	0.0993	1.00000	0.1387	1
0	8	12	3.6643	0.7271	-0.3635	0.000	-2.9372	1.00000	-4.1167	1
0	8	13	20.7281	21.6492	10.8246	0.000	-0.9212	1.00000	-1.2826	1
0	8	14	9.7521	9.4532	-4.7266	0.000	-0.2988	1.00000	-0.4183	1
0	8	15	5.4008	3.9282	-1.9641	0.000	-1.4726	1.00000	-2.0635	1
0	8	16	5.7561	4.8226	-2.4113	0.000	-0.9335	1.00000	-1.3080	1
0	8	17	12.4682	12.2595	-6.1298	0.000	-0.2087	1.00000	-0.2919	1
0	8	18	4.9226	4.9325	-2.4662	0.000	0.0098	1.00000	0.0138	1
0	8	19	4.3530	4.2266	2.1133	0.000	0.1264	1.00000	0.1772	1
0	8	20	9.3464	8.6615	-4.3307	0.000	-0.6850	1.00000	-0.9591	1
0	8	21	9.3313	9.0850	4.5425	0.000	0.2467	1.00000	0.3455	1
0	8	22	6.1837	6.5335	-3.2668	0.000	0.3498	1.00000	0.4901	1
0	10	0	15.4289	15.8006	-7.9003	0.000	0.3717	1.00000	0.5191	1
0	10	2	5.9943	5.9550	-2.9775	0.000	-0.0393	1.00000	-0.0551	1
0	10	3	3.8193	2.7763	-1.3881	0.000	-1.0430	1.00000	-1.4619	1
0	10	4	19.9767	20.8385	10.4192	0.000	-0.8618	1.00000	-1.2006	1
0	10	5	6.6937	6.1497	3.0748	0.000	0.5440	1.00000	0.7621	1

0	10	0	5.4047	6.0296	3.0143	0.0	2.3751	1.0000	3.3259	1
0	10	7	6.6611	5.7952	2.8976	0.0	0.8659	1.0000	1.2131	1
0	10	8	4.0440	4.7473	2.3739	0.0	-0.1038	1.0000	-0.1454	1
0	10	9	6.4253	5.5769	-2.7864	0.0	-0.8485	1.0000	-1.1887	1
0	10	10	19.0987	19.2142	9.6071	0.0	-0.1155	1.0000	-0.1610	1
0	10	11	5.2153	3.4541	-1.7271	0.0	-1.7612	1.0000	-2.4679	1
0	10	12	26.2677	26.5934	13.2977	0.0	-0.3277	1.0000	-0.4549	1
0	10	13	6.3165	5.9875	2.9937	0.0	0.3291	1.0000	0.4610	1
0	10	14	5.9429	4.7370	-2.3689	0.0	-1.2050	1.0000	-1.6884	1
0	10	15	2.9539	2.3740	-1.1870	0.0	-0.5800	1.0000	-0.8129	1
0	10	16	6.4486	6.8749	-3.4374	0.0	0.4263	1.0000	0.5973	1
0	10	17	6.1626	6.3473	-3.1737	0.0	0.1847	1.0000	0.2589	1
0	12	0	26.7498	27.4370	13.7185	0.0	-0.6872	1.0000	-0.9257	2
0	12	1	14.5687	14.9951	-7.4976	0.0	0.4264	1.0000	0.5782	2
0	12	2	8.9841	8.4091	4.2045	0.0	0.5750	1.0000	0.7810	2
0	12	3	7.7206	7.3050	-3.6525	0.0	-0.4156	1.0000	-0.5646	2
0	12	5	12.7906	12.8848	6.4424	0.0	-0.0942	1.0000	-0.1278	2
0	12	6	13.2208	12.9868	6.4934	0.0	0.2339	1.0000	0.3174	2
0	12	7	3.9401	4.3683	2.1842	0.0	-0.4282	1.0000	-0.5821	2
0	12	8	18.4383	17.4108	8.7054	0.0	1.0275	1.0000	1.3909	2
0	12	9	13.8269	12.9862	-6.4931	0.0	-0.8407	1.0000	-1.1403	2
1	1	-28	2.2036	2.6613	1.3309	0.0	-0.4592	1.0000	-0.6423	1
1	1	-27	4.2537	4.2676	2.1338	0.0	-0.0139	1.0000	-0.0195	1
1	1	-26	9.8353	9.0357	4.5169	0.0	0.8016	1.0000	1.1221	1
1	1	-25	6.5497	6.5795	-3.2898	0.0	0.0293	1.0000	0.0417	1
1	1	-24	17.5686	17.5974	-8.7987	0.0	0.0288	1.0000	0.0401	1
1	1	-22	11.3267	11.2436	-5.6218	0.0	-0.0831	1.0000	-0.1163	1
1	1	-21	4.2801	3.0470	1.5235	0.0	1.2331	1.0000	1.7281	1
1	1	-20	10.3980	10.3994	5.1997	0.0	-0.0014	1.0000	-0.0020	1
1	1	-19	10.8626	11.3049	-5.6524	0.0	0.4423	1.0000	0.6186	1
1	1	-17	21.3324	23.2269	-11.6135	0.0	1.8945	1.0000	2.6294	1
1	1	-16	2.5407	2.0555	1.0278	0.0	0.4852	1.0000	0.6801	1
1	1	-15	18.3544	19.3290	-9.6645	0.0	0.9747	1.0000	1.3549	1
1	1	-14	24.6226	25.5954	-12.7977	0.0	0.9728	1.0000	1.3422	1
1	1	-13	11.6285	11.4977	5.7488	0.0	0.1308	1.0000	0.1826	1
1	1	-12	12.6445	11.5059	5.7529	0.0	1.1387	1.0000	1.5899	1
1	1	-11	17.1917	16.2814	-8.1407	0.0	-0.9103	1.0000	-1.2661	1
1	1	-10	11.4206	10.8342	5.4171	0.0	0.5865	1.0000	0.8181	1
1	1	-9	7.8086	8.4336	-4.2168	0.0	0.6250	1.0000	0.8740	1
1	1	-8	6.6579	5.4499	2.7249	0.0	1.2080	1.0000	1.6900	1
1	1	-7	25.1339	25.5931	-12.7966	0.0	0.4592	1.0000	0.6247	1
1	1	-6	55.4714	55.8999	-27.9499	0.0	0.4285	1.0000	0.5284	1
1	1	-5	24.5695	21.6791	10.8395	0.0	2.8904	1.0000	3.9105	1
1	1	-4	61.7963	62.5280	31.2640	0.0	-0.7317	1.0000	-0.8595	1
1	1	-3	45.4514	47.9443	-23.9722	0.0	2.4929	1.0000	3.0931	1
1	1	-2	5.7174	1.0449	0.5225	0.0	4.6724	1.0000	6.5316	1
1	1	-1	48.6130	51.5081	-25.7541	0.0	2.8952	1.0000	3.4955	1
1	1	0	32.4027	31.7797	-15.8898	0.0	-0.6230	1.0000	-0.8076	1
1	1	1	26.2151	26.7866	-13.3933	0.0	0.5715	1.0000	0.7610	1
1	1	2	20.8534	20.8303	-10.4154	0.0	-0.0326	1.0000	-0.0443	1
1	1	3	16.2514	13.7628	6.8814	0.0	2.4886	1.0000	3.4266	1
1	1	4	66.9860	66.7138	33.3569	0.0	0.2723	1.0000	0.3185	1
1	1	5	60.4554	62.3271	-31.1636	0.0	1.8717	1.0000	2.2717	1
1	1	6	31.3642	31.4882	-15.7441	0.0	0.1240	1.0000	0.1663	1
1	1	7	4.4845	2.5981	1.2991	0.0	1.8864	1.0000	2.6420	1
1	1	8	4.7020	4.6223	-2.3112	0.0	-0.0796	1.0000	-0.1115	1
1	1	9	5.7617	0.8457	0.4228	0.0	4.9160	1.0000	6.8829	1
1	1	10	2.4419	0.1883	-0.0942	0.0	-2.2536	1.0000	-3.1587	1
1	1	11	8.5904	7.6506	-3.8253	0.0	-0.9398	1.0000	-1.3150	1
1	1	12	23.6227	25.4563	12.7282	0.0	-1.8336	1.0000	-2.5314	1
1	1	13	22.9314	24.1971	-12.0986	0.0	1.2658	1.0000	1.7508	1

1	1	14	19.4316	19.9424	-9.9712	0.0	0.3108	1.0000	0.7095	1
1	1	15	5.5570	6.3833	-3.1940	0.0	0.8310	1.0000	1.1641	1
1	1	16	9.0185	9.6378	-4.8139	0.0	0.6193	1.0000	0.8666	1
1	1	17	14.4100	15.5566	-7.7793	0.0	1.1486	1.0000	1.6034	1
1	1	18	3.5646	1.4734	0.7367	0.0	2.0913	1.0000	2.9309	1
1	1	19	3.1765	2.2186	-1.1093	0.0	-0.9579	1.0000	-1.3425	1
1	1	20	13.1097	13.6142	6.8071	0.0	-0.5045	1.0000	-0.7051	1
1	1	21	13.8587	14.3083	-7.1542	0.0	0.4496	1.0000	0.6283	1
1	1	22	12.9324	12.9869	-6.4935	0.0	0.0545	1.0000	0.0762	1
1	1	23	9.2028	8.1955	-4.0977	0.0	-0.0073	1.0000	-0.0102	1
1	1	24	4.2810	1.3625	-0.6813	0.0	-2.9185	1.0000	-4.0902	1
1	1	25	2.9016	2.5450	1.2725	0.0	0.3567	1.0000	0.4999	1
1	1	26	9.8484	5.1147	4.5573	0.0	0.7342	1.0000	1.0279	1
1	1	27	3.0984	0.4172	0.2086	0.0	2.6812	1.0000	3.7582	1
1	1	28	21.0971	20.3836	-10.1918	0.0	-0.7135	1.0000	-0.9644	2
1	3	29	7.0142	5.9011	2.9506	0.0	1.1131	1.0000	1.5124	2
1	3	30	10.1247	9.1036	4.5518	0.0	1.0211	1.0000	1.3864	2
1	3	31	5.2587	3.9657	1.9829	0.0	1.2930	1.0000	1.7574	2
1	3	32	15.6967	16.0318	8.0159	0.0	-0.3352	1.0000	-0.4541	2
1	3	33	8.9455	8.2924	-4.1462	0.0	-0.6531	1.0000	-0.8870	2
1	3	34	17.2254	16.5052	-3.2826	0.0	-0.6602	1.0000	-0.8935	2
1	3	35	40.4915	40.8921	-20.4461	0.0	0.4006	1.0000	0.5305	2
1	3	36	13.2088	13.7036	6.8518	0.0	-3.4949	1.0000	-0.6708	2
1	3	37	20.4944	21.1534	10.5767	0.0	-0.6590	1.0000	-0.8891	2
1	3	38	12.4800	12.4980	-6.2490	0.0	0.0180	1.0000	0.0244	2
1	3	39	25.9915	26.4819	-13.2410	0.0	0.4905	1.0000	0.6578	2
1	3	40	9.2352	10.5980	-5.2990	0.0	1.3628	1.0000	1.8495	2
1	3	41	10.6263	10.9435	5.4718	0.0	-0.1172	1.0000	-0.1589	2
1	3	42	61.8768	63.5120	-31.7560	0.0	1.6352	1.0000	2.0453	2
1	3	43	9.7458	9.4366	4.7183	0.0	0.3092	1.0000	0.4195	2
1	3	44	53.5201	52.0603	26.0302	0.0	1.4598	1.0000	1.8586	2
1	3	45	17.0710	18.2266	-9.1133	0.0	1.1556	1.0000	1.5566	2
1	3	46	61.9378	62.5010	-31.2505	0.0	0.5631	1.0000	0.6897	2
1	3	47	11.2324	8.9853	4.4929	0.0	2.2466	1.0000	3.0403	2
1	3	48	23.0640	25.5113	-12.7556	0.0	12.4473	1.0000	3.2607	2
1	3	49	6.5735	6.5067	3.2533	0.0	0.0669	1.0000	0.0908	2
1	3	50	52.8586	50.7135	25.3567	0.0	2.1452	1.0000	2.6459	2
1	3	51	4.4606	3.9153	1.9576	0.0	0.5454	1.0000	0.7409	2
1	3	52	60.1539	60.0800	30.0400	0.0	0.0738	1.0000	0.0887	2
1	3	53	21.4687	21.0075	-10.5038	0.0	-0.4612	1.0000	-0.6145	2
1	3	54	4.5049	4.5544	2.2672	0.0	-0.0295	1.0000	-0.0401	2
1	3	55	70.2539	68.9036	-34.4518	0.0	-1.3503	1.0000	-1.5911	2
1	3	56	5.8171	6.3481	3.1741	0.0	-0.5311	1.0000	-0.7212	2
1	3	57	78.4680	75.0794	-37.5397	0.0	-3.3887	1.0000	-3.9427	2
1	3	58	3.9891	1.7596	0.8798	0.0	2.2295	1.0000	3.0298	2
1	3	59	21.5941	19.3440	-9.6720	0.0	-2.2501	1.0000	-3.0150	2
1	3	60	11.9273	11.5823	-5.7912	0.0	-0.3450	1.0000	-0.4673	2
1	3	61	14.3385	13.0046	6.5023	0.0	1.3339	1.0000	1.8053	2
1	3	62	46.7459	47.8365	-23.9183	0.0	1.0906	1.0000	1.4135	2
1	3	63	25.7336	26.8727	13.4363	0.0	-1.1391	1.0000	-1.5271	2
1	3	64	20.6963	2.2643	-1.1321	0.0	-0.4320	1.0000	-0.5874	2
1	3	65	25.5663	26.4460	13.2230	0.0	-0.8797	1.0000	-1.1813	2
1	3	66	5.5987	5.5433	-2.7716	0.0	-0.0554	1.0000	-0.0753	2
1	3	67	48.2597	48.5570	-24.2785	0.0	0.2972	1.0000	0.3896	2
1	3	68	2.6086	1.7243	0.8622	0.0	0.8843	1.0000	1.2023	2
1	3	69	2.7693	1.0088	0.5044	0.0	1.7604	1.0000	2.3934	2
1	3	70	12.9884	13.3883	6.6942	0.0	-0.3999	1.0000	-0.5425	2
1	3	71	24.0096	23.6063	-11.8032	0.0	-0.4033	1.0000	-0.5441	2
1	3	72	38.0203	38.7892	-19.3946	0.0	0.7689	1.0000	1.0264	2
1	3	73	4.9774	4.1822	2.0911	0.0	0.7952	1.0000	1.0809	2
1	3	74	6.2668	6.5022	-3.2511	0.0	0.2354	1.0000	0.3298	2

1	5	-25	4.4767	1.2332	-0.6416	0.0	-3.1935	1.0000	-4.4756	1
1	5	-24	4.2390	2.5549	-1.2774	0.0	-1.6342	1.0000	-2.3603	1
1	5	-23	4.5853	0.3763	0.1381	0.0	4.2090	1.0000	5.8986	1
1	5	-22	11.9051	11.8772	5.9386	0.0	0.0879	1.0000	0.1229	1
1	5	-21	5.7236	5.7471	-2.8736	0.0	0.0236	1.0000	0.0331	1
1	5	-20	7.9508	7.1739	-3.5869	0.0	-0.7769	1.0000	-1.0880	1
1	5	-19	9.8654	9.7001	-4.8530	0.0	-0.1593	1.0000	-0.2230	1
1	5	-18	8.1799	8.1560	-4.0780	0.0	-0.0239	1.0000	-0.0335	1
1	5	-17	11.9636	10.9679	-5.4839	0.0	-0.9957	1.0000	-1.3923	1
1	5	-16	2.4091	1.2124	-0.6062	0.0	-1.1967	1.0000	-1.6774	1
1	5	-15	19.9806	21.0744	-10.5372	0.0	1.0938	1.0000	1.5220	1
1	5	-14	22.9057	24.0583	12.0292	0.0	-1.1546	1.0000	-1.6021	1
1	5	-13	15.3206	16.1520	-8.0760	0.0	0.8314	1.0000	1.1599	1
1	5	-12	15.8386	16.6812	-8.3406	0.0	0.8427	1.0000	1.1750	1
1	5	-11	0.2139	0.4705	-3.2352	0.0	0.2566	1.0000	0.3593	1
1	5	-10	9.4171	9.9219	-4.9610	0.0	0.5049	1.0000	0.7063	1
1	5	-9	11.4874	11.5843	-5.9522	0.0	0.4770	1.0000	0.6665	1
1	5	-8	10.4610	10.4727	-5.2364	0.0	-0.0117	1.0000	-0.0164	1
1	5	-7	4.1936	4.4610	-2.2505	0.0	0.2674	1.0000	0.3747	1
1	5	-6	33.8295	32.6691	15.3346	0.0	1.1603	1.0000	1.5856	1
1	5	-5	14.4784	10.7397	5.3699	0.0	3.7387	1.0000	5.2146	1
1	5	-4	50.2071	48.3673	-24.1936	0.0	-1.8198	1.0000	-2.4135	1
1	5	-3	8.6443	7.1089	-3.5545	0.0	-1.5353	1.0000	-2.1482	1
1	5	-2	8.8980	7.4968	3.7484	0.0	1.4011	1.0000	1.9601	1
1	5	-1	17.9813	16.9294	-8.4647	0.0	-1.0519	1.0000	-1.4624	1
1	5	0	21.2980	20.6781	10.3390	0.0	0.6199	1.0000	0.8590	1
1	5	1	19.8149	18.5613	-9.2807	0.0	-1.2537	1.0000	-1.7401	1
1	5	2	6.6125	1.3960	0.6990	0.0	5.2146	1.0000	7.3019	1
1	5	3	26.1095	25.6032	-12.8016	0.0	-0.5063	1.0000	-0.6983	1
1	5	4	39.6632	38.1920	-19.0960	0.0	-1.4712	1.0000	-1.9915	1
1	5	5	27.6741	26.3366	-13.1683	0.0	-1.3376	1.0000	-1.8431	1
1	5	6	27.6375	27.4878	13.7439	0.0	0.1496	1.0000	0.2058	1
1	5	7	20.4698	21.6649	-10.8325	0.0	-1.1951	1.0000	-1.6581	1
1	5	8	4.1965	0.3509	-0.1754	0.0	-3.8457	1.0000	-5.3888	1
1	5	9	12.9196	13.9411	-6.9706	0.0	1.0215	1.0000	1.4265	1
1	5	10	4.2290	2.0813	1.0406	0.0	2.1477	1.0000	3.0096	1
1	5	11	12.2739	12.7800	-6.3900	0.0	0.5060	1.0000	0.7072	1
1	5	12	5.9386	4.8550	-2.4275	0.0	-1.0830	1.0000	-1.5180	1
1	5	13	9.4591	9.2151	4.6076	0.0	0.2440	1.0000	0.3415	1
1	5	14	8.7156	7.5097	-3.7549	0.0	-1.2058	1.0000	-1.6862	1
1	5	15	5.1395	4.6632	2.3316	0.0	0.4763	1.0000	0.6675	1
1	5	16	2.3141	0.6140	-0.3070	0.0	-1.7001	1.0000	-2.3831	1
1	5	17	3.5223	3.3932	1.6966	0.0	0.1291	1.0000	0.1809	1
1	5	18	4.0763	4.8992	-2.4496	0.0	0.8229	1.0000	1.1533	1
1	5	19	13.3095	14.0146	-7.0073	0.0	0.7051	1.0000	0.9859	1
1	5	20	10.8529	11.5108	-5.7554	0.0	0.6579	1.0000	0.9207	1
1	5	21	8.9068	7.7986	3.8993	0.0	1.1082	1.0000	1.5518	1
1	5	22	5.2627	6.0076	-3.0039	0.0	0.7451	1.0000	1.0441	1
1	5	23	6.4388	5.9173	2.9586	0.0	0.5215	1.0000	0.7307	1
1	5	24	5.0502	4.3474	-2.1737	0.0	-0.7028	1.0000	-0.9849	1
1	7	-25	15.7914	15.2710	7.6355	0.0	0.5205	1.0000	0.7271	1
1	7	-24	6.0179	7.5589	3.7794	0.0	-1.5410	1.0000	-2.1592	1
1	7	-23	6.6212	6.7015	-3.3508	0.0	0.0804	1.0000	0.1126	1
1	7	-22	11.5569	11.9009	5.9504	0.0	-0.3440	1.0000	-0.4812	1
1	7	-21	3.8840	4.1899	-2.0949	0.0	0.3058	1.0000	0.4286	1
1	7	-20	10.3035	10.0428	5.0214	0.0	0.2608	1.0000	0.3650	1
1	7	-19	6.9373	5.5030	2.7515	0.0	1.4344	1.0000	2.0093	1
1	7	-18	4.2440	3.8674	1.9337	0.0	0.3767	1.0000	0.5279	1
1	7	-17	5.2872	5.2617	2.6309	0.0	0.0254	1.0000	0.0356	1
1	7	-16	14.2339	14.2668	-7.1334	0.0	0.0328	1.0000	0.0459	1
1	7	-15	4.4956	4.2868	-2.1434	0.0	-0.2089	1.0000	-0.2927	1

1	7	-11	3.1143	2.6593	-1.3297	0.0	-3.4550	1.0000	-0.6378	1
1	7	-10	3.4466	0.3949	-0.2975	0.0	-2.8517	1.0000	-3.9968	1
1	7	-9	9.3733	9.8903	4.7502	0.0	-0.1271	1.0000	-0.1778	1
1	7	-8	1.7559	0.9656	0.4828	0.0	0.7903	1.0000	1.1078	1
1	7	-7	30.9475	32.3525	16.1762	0.0	-1.4050	1.0000	-1.9331	1
1	7	-6	14.9899	15.4813	7.7408	0.0	-0.4917	1.0000	-0.6860	1
1	7	-5	6.3264	5.6655	-2.8327	0.0	-0.6629	1.0000	-0.9285	1
1	7	-4	10.4790	10.1640	-3.0823	0.0	-0.3144	1.0000	-0.4398	1
1	7	-3	29.2055	30.5871	15.2936	0.0	-1.3812	1.0000	-1.9020	1
1	7	-2	13.4864	12.8253	-6.4127	0.0	-0.6611	1.0000	-0.9230	1
1	7	-1	46.1877	48.9062	24.4531	0.0	-2.7185	1.0000	-3.6520	1
1	7	0	13.5801	14.2183	7.1094	0.0	-0.6387	1.0000	-3.8918	1
1	7	1	11.2057	10.9240	5.4623	0.0	0.2811	1.0000	0.3930	1
1	7	2	9.8569	8.5341	4.2670	0.0	1.3228	1.0000	1.8505	1
1	7	3	32.9319	34.0913	-17.0459	0.0	1.1599	1.0000	1.5906	1
1	7	4	27.0362	28.7849	-14.3924	0.0	1.7487	1.0000	2.4151	1
1	7	5	24.7089	26.0931	13.0466	0.0	-1.3842	1.0000	-1.9168	1
1	7	6	7.7409	7.1653	3.5827	0.0	0.5756	1.0000	0.8059	1
1	7	7	4.7644	4.8194	2.4097	0.0	-0.0550	1.0000	-0.0771	1
1	7	8	14.6770	15.6017	7.8009	0.0	-0.9247	1.0000	-1.2910	1
1	7	9	17.1019	17.6634	-8.8317	0.0	0.5615	1.0000	0.7830	1
1	7	10	8.7135	8.5078	-4.2539	0.0	-0.2057	1.0000	-0.2880	1
1	7	12	9.4805	7.8604	-3.9302	0.0	-1.6200	1.0000	-2.2675	1
1	7	13	55.0304	36.7876	18.3938	0.0	-1.7571	1.0000	-2.4162	1
1	7	14	12.6663	12.2556	6.1278	0.0	0.4107	1.0000	0.5743	1
1	7	15	12.0956	11.2739	5.6370	0.0	0.8217	1.0000	1.1493	1
1	7	16	3.8418	1.5870	0.7935	0.0	2.2548	1.0000	3.1601	1
1	7	17	6.9645	5.7562	2.8781	0.0	1.2084	1.0000	1.6927	1
1	7	18	3.7987	3.0543	-1.5271	0.0	-0.7444	1.0000	-1.0433	1
1	7	19	8.2277	8.1216	4.0608	0.0	0.1061	1.0000	0.1436	1
1	7	20	4.4272	3.1123	-1.5562	0.0	-1.3149	1.0000	-1.8428	1
1	7	21	12.8678	12.2766	6.1383	0.0	0.5912	1.0000	0.8269	1
1	7	22	3.9948	1.9285	0.9642	0.0	2.0664	1.0000	2.8962	1
1	9	-20	3.7022	0.5814	-0.2907	0.0	-3.1208	1.0000	-4.2427	2
1	9	-19	15.7539	15.0358	7.5179	0.0	0.7180	1.0000	0.9731	2
1	9	-18	12.9699	11.3399	-5.6700	0.0	-1.6299	1.0000	-2.2113	2
1	9	-17	8.5533	8.2145	-4.1073	0.0	-0.3388	1.0000	-0.4602	2
1	9	-16	9.7004	9.1759	4.5880	0.0	0.5245	1.0000	0.7122	2
1	9	-15	13.1295	12.3906	6.1953	0.0	0.7389	1.0000	1.0024	2
1	9	-14	12.2777	11.6759	5.9880	0.0	0.3017	1.0000	0.4094	2
1	9	-13	34.9701	35.8949	17.9475	0.0	-0.9249	1.0000	-1.2369	2
1	9	-12	7.5375	6.3127	-3.1564	0.0	-1.2248	1.0000	-1.6641	2
1	9	-11	18.9755	18.8637	9.4319	0.0	0.1118	1.0000	0.1512	2
1	9	-10	13.4978	13.6641	-6.8321	0.0	0.1643	1.0000	0.2256	2
1	9	-9	6.3296	6.3696	-3.1848	0.0	0.0400	1.0000	0.0544	2
1	9	-8	15.1497	15.1925	7.5963	0.0	-0.0428	1.0000	-0.0580	2
1	9	-7	19.7293	19.5045	9.7522	0.0	0.2248	1.0000	0.3039	2
1	9	-6	5.4235	5.5100	2.7550	0.0	-0.0865	1.0000	-0.1175	2
1	9	-5	26.9849	27.1232	13.5616	0.0	-0.1383	1.0000	-0.1860	2
1	9	-4	12.0362	12.1070	-6.0535	0.0	0.0708	1.0000	0.0961	2
1	9	-3	7.4863	5.6043	2.8022	0.0	1.8819	1.0000	2.5566	2
1	9	-2	10.8949	10.8828	-5.4414	0.0	-0.0122	1.0000	-0.0165	2
1	9	-1	17.3022	16.8992	-8.4496	0.0	-0.4030	1.0000	-0.5453	2
1	9	0	20.8854	21.5226	10.7613	0.0	-0.6372	1.0000	-0.8605	2
1	9	1	24.2664	24.8617	12.4306	0.0	-0.5949	1.0000	-0.8015	2
1	9	2	4.9513	3.5082	1.7543	0.0	1.4427	1.0000	1.9609	2
1	9	3	40.0131	40.6767	20.3383	0.0	-0.6636	1.0000	-0.8810	2
1	9	4	15.8070	16.3221	-8.1610	0.0	0.5150	1.0000	0.6976	2
1	9	5	8.9329	8.3120	4.1560	0.0	0.6209	1.0000	0.8432	2
1	9	6	5.6362	5.5208	-2.7604	0.0	-0.1154	1.0000	-0.1568	2
1	9	7	4.1070	1.7983	-0.8991	0.0	-2.3087	1.0000	-3.1384	2

1	9	0	21.3907	21.6990	19.8495	0.0	-0.3083	1.0000	-0.4164	2
1	9	10	43.8231	44.3338	22.1669	0.0	-0.5107	1.0000	-0.6761	2
1	9	11	10.2372	8.5513	-4.2757	0.0	-1.6859	1.0000	-2.2888	2
1	9	12	25.3194	24.4083	12.2041	0.0	0.9111	1.0000	1.2277	2
1	9	13	15.3829	15.7357	-7.8079	0.0	0.3528	1.0000	0.4781	2
1	9	14	12.8248	12.5425	-8.2712	0.0	-0.2823	1.0000	-0.3830	2
1	9	15	9.1894	7.9880	3.9940	0.0	1.2014	1.0000	1.6317	2
1	9	16	13.1814	13.3485	6.0743	0.0	-0.1671	1.0000	-0.2267	2
1	9	17	23.4818	23.0853	11.5429	0.0	0.3957	1.0000	0.5342	2
1	9	18	11.9905	10.6421	-5.3210	0.0	-1.2484	1.0000	-1.6944	2
1	9	19	2.3277	0.8067	0.3534	0.0	1.6610	1.0000	2.2583	2
1	11	-14	2.3149	1.2362	-0.6181	0.0	-1.0787	1.0000	-1.5121	1
1	11	-13	7.0235	7.4150	3.7075	0.0	-0.3915	1.0000	-0.5484	1
1	11	-12	2.0892	1.6209	0.8105	0.0	0.4683	1.0000	0.6564	1
1	11	-11	3.9794	2.6375	1.3188	0.0	1.3419	1.0000	1.5807	1
1	11	-10	5.2697	1.0312	0.5150	0.0	4.2385	1.0000	5.9393	1
1	11	-9	3.8802	1.4729	0.7364	0.0	2.4133	1.0000	3.3824	1
1	11	-8	2.2854	1.5588	0.7794	0.0	0.7266	1.0000	1.0185	1
1	11	-7	10.7808	10.1840	-5.0920	0.0	-0.5968	1.0000	-0.8352	1
1	11	-6	6.2555	6.5920	3.2960	0.0	-0.3364	1.0000	-0.4714	1
1	11	-5	6.5619	6.1306	3.0653	0.0	0.4312	1.0000	0.6042	1
1	11	-4	3.5962	1.5981	0.9991	0.0	1.5981	1.0000	2.2399	1
1	11	-3	9.2492	8.5089	4.2545	0.0	1.4403	1.0000	2.0162	1
1	11	-2	5.3691	4.2283	2.1142	0.0	1.1407	1.0000	1.5985	1
1	11	-1	8.3209	8.6154	-4.3077	0.0	0.2945	1.0000	0.4124	1
1	11	0	9.9433	8.8242	4.4121	0.0	1.1190	1.0000	1.5665	1
1	11	1	6.8067	6.6424	-3.3212	0.0	-0.1642	1.0000	-0.2301	1
1	11	2	10.9641	11.0062	5.5031	0.0	-0.0421	1.0000	-0.0589	1
1	11	3	15.9148	16.0607	8.0303	0.0	-0.1458	1.0000	-0.2037	1
1	11	4	3.2830	2.8353	1.4176	0.0	0.4477	1.0000	0.6276	1
1	11	5	4.8893	4.4875	-2.2437	0.0	-0.4018	1.0000	-0.5630	1
1	11	6	7.5709	6.0551	3.0275	0.0	1.5213	1.0000	2.1316	1
1	11	7	11.4079	9.7779	-4.8890	0.0	-1.6300	1.0000	-2.2807	1
1	11	8	6.2787	6.5532	3.2766	0.0	-0.2745	1.0000	-0.3846	1
1	11	9	5.2185	4.1952	2.0976	0.0	1.0233	1.0000	1.4339	1
1	11	10	3.1711	3.8093	1.9047	0.0	-0.6382	1.0000	-0.8945	1
1	11	11	6.9346	5.6555	2.8278	0.0	1.1791	1.0000	1.6518	1
1	11	12	2.2062	0.2112	-0.1056	0.0	-1.9950	1.0000	-2.7965	1
1	11	13	3.2190	0.6486	-0.3243	0.0	-2.5704	1.0000	-3.4945	2
1	11	14	41.5381	41.1846	-20.5923	0.0	-0.3535	1.0000	-0.4697	2
1	11	15	23.5806	22.7332	-11.3666	0.0	-0.8473	1.0000	-1.1428	2
1	11	16	15.1391	15.2233	7.6117	0.0	-0.0842	1.0000	-0.1140	2
1	11	17	5.3749	4.5465	-2.2733	0.0	-0.8284	1.0000	-1.1258	2
1	11	18	49.3642	48.7073	-24.3537	0.0	-0.6569	1.0000	-0.8568	2
1	11	19	26.9092	27.5592	13.7796	0.0	-0.6499	1.0000	-0.8708	2
1	11	20	21.4192	22.3234	11.1617	0.0	-0.9042	1.0000	-1.2165	2
1	11	21	43.3217	43.1041	-21.5521	0.0	-0.2176	1.0000	-0.2826	2
1	11	22	27.9960	25.6579	-12.8290	0.0	-2.3381	1.0000	-3.0968	2
1	11	23	78.7195	72.5610	-36.2805	0.0	-6.1585	1.0000	-7.0875	2
1	11	24	66.6508	62.3237	-31.1618	0.0	-4.3272	1.0000	-5.1011	2
1	11	25	62.9412	59.8784	29.9392	0.0	3.0628	1.0000	3.6374	2
1	11	26	56.0359	51.8499	25.9249	0.0	4.1860	1.0000	5.1082	2
1	11	27	19.4886	22.7284	-11.3642	0.0	3.2398	1.0000	4.3402	2
1	11	28	64.4051	64.6453	-32.3226	0.0	0.2402	1.0000	0.2921	2
1	11	29	51.4381	48.3454	24.1727	0.0	3.0927	1.0000	3.9680	2
1	11	30	59.0159	58.5470	-29.2735	0.0	-0.4690	1.0000	-0.5904	2
1	11	31	34.6810	34.9171	-17.4586	0.0	0.2362	1.0000	0.3135	2
1	11	32	22.4371	23.0092	11.5046	0.0	-0.5722	1.0000	-0.7710	2
1	11	33	36.0688	36.3872	-18.1936	0.0	0.3184	1.0000	0.4240	2
1	11	34	21.6960	21.4175	-10.7087	0.0	-0.2791	1.0000	-0.3768	2
1	11	35	15.1706	14.9865	7.4932	0.0	0.1842	1.0000	0.2496	2

22	14.1738	15.7102	-10.8551	0.00	-0.4636	1.0000	-0.6286	2
21	22.1200	21.5920	-10.7900	0.00	-0.5880	1.0000	-0.7943	1
20	4.9465	6.0351	3.0175	0.00	-1.0886	1.0000	-1.5255	1
19	4.5941	4.5913	-2.2959	0.00	-0.2022	1.0000	-0.0031	1
18	5.3477	5.4105	1.7032	0.00	0.1373	1.0000	0.1924	1
17	4.1189	0.8439	0.4220	0.00	3.2750	1.0000	4.5899	1
16	17.0573	17.1373	-8.5687	0.00	0.0800	1.0000	0.1116	1
15	7.3859	6.8334	-3.4167	0.00	-0.5525	1.0000	-0.7738	1
14	10.9034	10.8986	5.4493	0.00	3.0047	1.0000	0.0066	1
13	12.3877	12.7305	6.3653	0.00	-0.3428	1.0000	-0.4792	1
12	6.7554	5.9139	-2.9570	0.00	0.8415	1.0000	1.1786	1
11	17.8393	18.3996	-9.1998	0.00	0.5603	1.0000	0.7804	1
10	6.5446	5.8778	-2.9389	0.00	-0.6667	1.0000	-0.9338	1
9	19.9918	21.2493	-10.6197	0.00	1.2475	1.0000	1.7332	1
8	27.4539	28.7612	-14.3806	0.00	1.3073	1.0000	1.8007	1
7	45.7782	47.2141	-25.6071	0.00	-1.4359	1.0000	-1.9186	1
6	14.1350	12.8367	-6.4183	0.00	-1.2983	1.0000	-1.8104	1
5	23.2363	21.9465	-10.9733	0.00	-1.2898	1.0000	-1.7813	1
4	33.0450	30.1616	-15.0808	0.00	-2.8534	1.0000	-3.9412	1
3	17.3710	16.2435	-8.1217	0.00	-1.1275	1.0000	-1.5684	1
2	35.4611	33.1998	-16.5999	0.00	-2.2614	1.0000	-3.0694	1
1	18.4243	16.5179	8.2590	0.00	1.9064	1.0000	2.6402	1
0	16.9581	20.2276	-10.1138	0.00	1.2695	1.0000	1.7557	1
26	18.1425	20.2939	10.1470	0.00	-2.1514	1.0000	-2.9769	1
25	4.7659	1.6117	0.8059	0.00	3.1542	1.0000	4.4175	1
24	35.2344	35.5973	-17.7937	0.00	0.3529	1.0000	0.4713	1
23	6.7368	4.3204	-2.1602	0.00	-2.4164	1.0000	-3.3805	1
22	39.1028	36.3051	16.1525	0.00	2.7977	1.0000	3.6948	1
21	27.3605	24.3402	12.1701	0.00	3.0203	1.0000	4.1062	1
20	35.8025	34.7579	-17.3790	0.00	-1.0446	1.0000	-1.3946	1
19	18.6466	18.7829	-9.3914	0.00	0.1362	1.0000	0.1883	1
18	26.6977	27.9782	13.9891	0.00	-1.2805	1.0000	-1.7476	1
17	15.6651	15.3875	-7.6937	0.00	-0.2776	1.0000	-0.3856	1
16	10.3571	7.6640	3.8320	0.00	2.6930	1.0000	3.7607	1
15	12.9543	11.2571	-5.6285	0.00	-1.6973	1.0000	-2.3684	1
14	25.3991	22.9357	-11.4679	0.00	-2.4634	1.0000	-3.3977	1
13	32.5992	31.5038	-15.7519	0.00	-1.0954	1.0000	-1.4983	1
12	13.1979	10.1939	-5.0969	0.00	-3.0040	1.0000	-4.1908	1
11	41.3005	42.6814	-21.3407	0.00	1.3809	1.0000	1.8583	1
10	44.0652	45.1552	22.5776	0.00	-1.0900	1.0000	-1.4630	1
9	6.1838	2.1602	1.0801	0.00	4.0236	1.0000	5.6353	1
8	32.6297	35.1959	-17.5979	0.00	2.3662	1.0000	3.2411	1
7	7.4009	7.1670	-3.5835	0.00	-0.2339	1.0000	-0.3275	1
6	10.1015	10.5741	-5.2870	0.00	0.4726	1.0000	0.6612	1
5	14.7573	14.8696	-7.4348	0.00	0.1123	1.0000	0.1568	1
4	20.8926	22.0504	11.0252	0.00	-1.1578	1.0000	-1.6105	1
3	2.0550	0.5666	-0.1833	0.00	-1.6884	1.0000	-2.3667	1
2	4.7628	4.7901	2.3950	0.00	-0.0273	1.0000	-0.0382	1
1	8.1605	6.6550	3.3275	0.00	1.5055	1.0000	2.1083	1
26	18.1306	18.6865	-9.3433	0.00	0.5559	1.0000	0.7754	1
25	10.3096	9.9074	-4.9537	0.00	-0.4022	1.0000	-0.5629	1
24	11.2749	10.8622	5.4311	0.00	0.4127	1.0000	0.5775	1
23	8.2478	8.1634	-4.0817	0.00	-0.0844	1.0000	-0.1182	1
22	6.5459	5.8147	2.9073	0.00	0.7312	1.0000	1.0244	1
21	3.5109	3.7845	-1.8923	0.00	0.2736	1.0000	0.3835	1
20	5.0681	2.8083	-1.4042	0.00	-2.2598	1.0000	-3.1667	1
19	3.5330	0.4559	0.2279	0.00	3.0772	1.0000	4.3129	1
18	2.0042	3.1534	-1.5767	0.00	1.1491	1.0000	1.6108	1
17	7.2615	7.5898	-3.7949	0.00	0.3283	1.0000	0.4598	1
16	10.1920	9.9399	4.9700	0.00	0.2521	1.0000	0.3528	1
15	4.4211	4.5130	2.2565	0.00	-0.0919	1.0000	-0.1288	1

N	4	-20	3.9615	5.2270	3.6135	0.0	-1.2656	1.0000	-1.7737	1
N	4	-19	6.9001	6.2953	3.1469	0.0	-3.6122	1.0000	0.4576	1
N	4	-18	9.1351	5.3032	4.0510	0.0	0.8320	1.0000	1.1655	1
N	4	-17	5.5407	5.4962	-2.7481	0.0	-3.0445	1.0000	-0.0623	1
N	4	-16	7.0838	6.1095	3.0548	0.0	0.9742	1.0000	1.3644	1
N	4	-15	17.9225	18.2892	-9.1446	0.0	0.3667	1.0000	0.5108	1
N	4	-14	37.7378	40.1891	20.0941	0.0	-2.4503	1.0000	-3.3397	1
N	4	-13	22.3519	22.6492	11.3253	0.0	-0.2980	1.0000	-0.4133	1
N	4	-12	10.1140	10.9364	5.4682	0.0	-3.8224	1.0000	-1.1502	1
N	4	-11	7.9511	6.9196	3.4598	0.0	1.0315	1.0000	1.4439	1
N	4	-10	6.2411	5.4093	-2.7046	0.0	-0.8319	1.0000	-1.1650	1
N	4	-9	19.6904	20.5789	-10.2895	0.0	0.8885	1.0000	1.2332	1
N	4	-8	5.6086	5.5192	2.7596	0.0	0.0893	1.0000	0.1251	1
N	4	-7	8.6227	8.2904	-4.1452	0.0	-0.3323	1.0000	-0.4649	1
N	4	-6	37.8107	36.3432	18.1716	0.0	1.4674	1.0000	1.9914	1
N	4	-5	45.5019	42.6523	21.3262	0.0	2.8496	1.0000	3.8118	1
N	4	-4	35.9299	33.7455	-16.8728	0.0	-2.1844	1.0000	-2.9680	1
N	4	-3	22.8314	20.1518	-10.0759	0.0	-2.6796	1.0000	-3.7062	1
N	4	-2	6.0781	4.2814	2.1307	0.0	1.8168	1.0000	-2.5444	1
N	4	-1	18.0292	16.0937	-3.0419	0.0	-1.9455	1.0000	-2.7038	1
N	4	0	36.4837	34.0771	17.0385	0.0	2.4066	1.0000	3.2641	1
N	4	1	15.7049	13.6519	6.8259	0.0	2.0530	1.0000	2.8596	1
N	4	2	42.8619	39.7357	19.8678	0.0	3.1262	1.0000	4.1981	1
N	4	3	29.2766	26.1762	13.0881	0.0	3.1004	1.0000	4.2571	1
N	4	4	7.1050	2.9870	-1.4935	0.0	-4.1186	1.0000	-5.7666	1
N	4	5	25.7420	25.9047	-12.9524	0.0	0.1627	1.0000	0.2241	1
N	4	6	31.9028	33.0961	10.5481	0.0	-1.1933	1.0000	-1.6303	1
N	4	7	4.6876	1.7759	-0.8879	0.0	-2.9117	1.0000	-4.0795	1
N	4	8	18.5331	18.9599	9.4800	0.0	-0.4269	1.0000	-0.5935	1
N	4	9	7.9896	6.8802	3.4401	0.0	1.1094	1.0000	1.5528	1
N	4	10	14.9212	15.3484	7.6742	0.0	-0.4272	1.0000	-0.5958	1
N	4	11	8.4592	8.0456	4.0228	0.0	0.4136	1.0000	0.5790	1
N	4	12	15.3428	15.4053	-7.7026	0.0	0.0625	1.0000	0.0871	1
N	4	13	18.3308	18.3166	-9.1583	0.0	-0.0142	1.0000	-0.0198	1
N	4	14	5.0700	4.7753	2.3877	0.0	0.2947	1.0000	0.4129	1
N	4	15	3.4255	0.6719	-0.3359	0.0	-2.7537	1.0000	-3.8594	1
N	4	16	12.0879	12.4919	9.2460	0.0	0.4041	1.0000	-0.5650	1
N	4	17	7.5287	7.7698	3.8849	0.0	-0.2411	1.0000	-0.3376	1
N	4	18	8.8870	9.0755	4.5377	0.0	-0.1885	1.0000	-0.2639	1
N	4	19	4.2215	4.9136	2.4568	0.0	-0.6921	1.0000	-0.9699	1
N	4	20	6.2299	5.1694	-2.5847	0.0	-1.0605	1.0000	-1.4858	1
N	4	21	8.8943	7.9959	-3.9980	0.0	-0.8984	1.0000	-1.2580	1
N	4	22	15.9562	15.6624	7.8312	0.0	0.2938	1.0000	0.4103	1
N	4	23	4.5439	3.6952	1.8476	0.0	0.8487	1.0000	1.1895	1
N	4	24	13.4000	13.4119	6.7059	0.0	-0.0119	1.0000	-0.0166	1
N	4	25	5.2102	5.4516	2.7258	0.0	-0.2413	1.0000	-0.3382	1
N	6	-24	13.1614	12.2229	6.1114	0.0	0.9385	1.0000	1.2731	2
N	6	-23	6.2332	4.0820	-2.0410	0.0	-2.1512	1.0000	-2.9234	2
N	6	-22	6.4894	5.1570	-2.5785	0.0	-1.3324	1.0000	-1.8107	2
N	6	-21	5.4736	5.2494	2.6247	0.0	0.2242	1.0000	0.3047	2
N	6	-20	8.0608	7.4402	3.7201	0.0	0.6206	1.0000	0.8431	2
N	6	-19	3.7534	3.5790	1.7895	0.0	0.1744	1.0000	0.2371	2
N	6	-18	27.4395	26.9998	13.4999	0.0	0.4397	1.0000	0.5913	2
N	6	-17	10.1470	9.6836	-4.8418	0.0	-0.4634	1.0000	-0.6291	2
N	6	-16	3.2535	2.3935	-1.1968	0.0	-0.8600	1.0000	-1.1691	2
N	6	-14	11.7858	11.3612	-5.6806	0.0	-0.4247	1.0000	-0.5761	2
N	6	-13	5.5063	5.3797	2.6399	0.0	0.1266	1.0000	0.1721	2
N	6	-12	14.5057	14.2007	7.1003	0.0	0.3050	1.0000	0.4131	2
N	6	-11	13.7126	13.9322	6.9661	0.0	-0.2196	1.0000	-0.2976	2
N	6	-10	63.2497	65.4397	32.7199	0.0	-2.1900	1.0000	-2.7903	2
N	6	-9	12.9352	13.8139	-6.9069	0.0	0.8787	1.0000	1.1908	2

NNNNNNNNNN	8	11	12.9387	12.9113	-6.4557	0.00	-0.0273	1.0000	-0.0382	1
NNNNNNNNNN	8	12	10.4143	10.3690	5.1845	0.00	0.0453	1.0000	0.0634	1
NNNNNNNNNN	8	13	10.8410	9.4977	4.7488	0.00	1.3433	1.0000	1.3798	1
NNNNNNNNNN	8	14	4.2420	5.4722	2.7301	0.00	-1.2296	1.0000	-1.7233	1
NNNNNNNNNN	8	15	4.0714	3.7558	1.8779	0.00	0.3156	1.0000	0.4424	1
NNNNNNNNNN	8	17	7.2300	7.2006	-3.0003	0.00	-0.0294	1.0000	-0.0412	1
NNNNNNNNNN	8	18	2.0602	0.2193	0.1097	0.00	1.8469	1.0000	2.5890	1
NNNNNNNNNN	8	19	4.0038	5.0145	-2.5072	0.00	0.4107	1.0000	0.5755	1
NNNNNNNNNN	10	-10	9.0052	8.4841	-4.2421	0.00	-1.1211	1.0000	-1.5696	1
NNNNNNNNNN	10	-15	4.1235	2.0338	1.0409	0.00	2.0297	1.0000	2.8447	1
NNNNNNNNNN	10	-14	26.6442	27.0594	-13.5347	0.00	0.4252	1.0000	0.5903	1
NNNNNNNNNN	10	-13	6.0388	4.8244	-2.4122	0.00	-1.2144	1.0000	-1.7016	1
NNNNNNNNNN	10	-12	3.4799	2.6540	1.3290	0.00	0.8220	1.0000	1.1521	1
NNNNNNNNNN	10	-10	11.4326	11.1740	5.5870	0.00	0.2587	1.0000	0.3619	1
NNNNNNNNNN	10	-9	7.0002	6.6484	3.3242	0.00	0.3518	1.0000	0.4928	1
NNNNNNNNNN	10	-8	7.0331	7.2742	-3.6371	0.00	-0.3590	1.0000	-0.5038	1
NNNNNNNNNN	10	-6	9.4350	8.2378	-4.1189	0.00	-1.1978	1.0000	-1.6769	1
NNNNNNNNNN	10	-5	7.4330	7.5420	-3.7710	0.00	0.1091	1.0000	0.1528	1
NNNNNNNNNN	10	-4	14.9589	13.0707	7.5354	0.00	-0.1118	1.0000	-0.1563	1
NNNNNNNNNN	10	-3	3.0561	1.8517	0.9259	0.00	1.2044	1.0000	1.6882	1
NNNNNNNNNN	10	-2	4.7764	4.6279	-2.3140	0.00	-0.1484	1.0000	-0.2080	1
NNNNNNNNNN	10	-1	2.8279	1.7089	10.8544	0.00	1.1190	1.0000	1.5685	1
NNNNNNNNNN	10	0	20.3818	20.3059	-10.1830	0.00	-0.0159	1.0000	-0.0222	1
NNNNNNNNNN	10	1	6.0845	4.6104	-2.3052	0.00	-1.4741	1.0000	-2.0653	1
NNNNNNNNNN	10	2	23.1532	23.6421	-11.8211	0.00	0.4889	1.0000	0.6800	1
NNNNNNNNNN	10	3	2.7955	2.8528	-1.4264	0.00	0.0572	1.0000	0.0802	1
NNNNNNNNNN	10	4	3.0505	2.0776	-1.0388	0.00	-0.9809	1.0000	-1.3749	1
NNNNNNNNNN	10	5	5.1861	3.9069	1.9534	0.00	1.2793	1.0000	1.7927	1
NNNNNNNNNN	10	6	8.1123	6.6699	-3.4850	0.00	-1.1423	1.0000	-1.5998	1
NNNNNNNNNN	10	7	3.8073	4.0481	2.0241	0.00	-0.2408	1.0000	-0.3375	1
NNNNNNNNNN	10	8	13.9731	14.3545	-7.1772	0.00	0.3814	1.0000	0.5331	1
NNNNNNNNNN	10	9	2.8275	0.4275	-0.2137	0.00	-2.4000	1.0000	-3.3641	1
NNNNNNNNNN	10	10	3.1173	3.4958	-1.7479	0.00	0.3785	1.0000	0.5305	1
NNNNNNNNNN	10	11	4.2254	2.5731	-1.2865	0.00	-1.6523	1.0000	-2.3157	1
NNNNNNNNNN	10	12	18.5685	18.5522	9.2761	0.00	0.0163	1.0000	0.0228	1
NNNNNNNNNN	10	13	2.0719	2.9278	1.4639	0.00	-0.8559	1.0000	-1.1997	1
NNNNNNNNNN	10	14	4.2435	2.2503	-1.1252	0.00	-1.9932	1.0000	-2.7934	1
NNNNNNNNNN	12	-5	14.3627	13.6664	-6.8332	0.00	-0.6964	1.0000	-0.9443	2
NNNNNNNNNN	12	-4	19.8027	19.6254	-9.8127	0.00	-0.1774	1.0000	-0.2399	2
NNNNNNNNNN	12	-3	2.5294	1.0407	-0.5203	0.00	-1.4887	1.0000	-2.0241	2
NNNNNNNNNN	12	-2	21.1575	20.9727	-10.4864	0.00	-0.1848	1.0000	-0.2498	2
NNNNNNNNNN	12	-1	16.6906	16.5790	8.2895	0.00	0.1116	1.0000	0.1512	2
NNNNNNNNNN	12	1	5.2320	5.9395	-2.9698	0.00	-0.2925	1.0000	-0.3975	2
NNNNNNNNNN	12	2	3.9227	2.8081	-1.4040	0.00	-1.1147	1.0000	-1.5153	2
NNNNNNNNNN	12	3	12.9748	12.8239	-6.4119	0.00	-0.1509	1.0000	-0.2748	2
NNNNNNNNNN	12	4	19.5242	17.9047	-8.9524	0.00	-1.6194	1.0000	-2.1911	2
NNNNNNNNNN	1	-26	9.4863	8.9155	4.4578	0.00	0.5708	1.0000	0.7991	1
NNNNNNNNNN	1	-25	10.5903	9.0146	4.5073	0.00	1.5757	1.0000	2.2052	1
NNNNNNNNNN	1	-24	9.2541	8.0453	4.0227	0.00	1.2088	1.0000	1.6923	1
NNNNNNNNNN	1	-23	5.1634	4.4781	2.2390	0.00	0.6853	1.0000	0.9604	1
NNNNNNNNNN	1	-22	15.7664	15.6960	-7.8480	0.00	-0.0704	1.0000	-0.0983	1
NNNNNNNNNN	1	-21	10.8020	11.3302	5.6651	0.00	-0.5282	1.0000	-0.7391	1
NNNNNNNNNN	1	-20	7.3480	6.4838	3.2419	0.00	0.8642	1.0000	1.2104	1
NNNNNNNNNN	1	-19	7.4439	6.9646	3.4823	0.00	0.4793	1.0000	0.6713	1
NNNNNNNNNN	1	-18	10.9366	11.2337	5.6169	0.00	-0.2971	1.0000	-0.4156	1
NNNNNNNNNN	1	-17	6.9821	5.6158	2.8079	0.00	1.3663	1.0000	1.9136	1
NNNNNNNNNN	1	-16	1.9829	1.7198	-0.8599	0.00	-0.2630	1.0000	-0.3687	1
NNNNNNNNNN	1	-15	12.0707	12.3054	-6.1527	0.00	0.2347	1.0000	0.3280	1
NNNNNNNNNN	1	-14	18.1765	18.4497	-9.2249	0.00	0.2732	1.0000	0.3803	1
NNNNNNNNNN	1	-13	7.5760	6.7543	3.3772	0.00	0.8217	1.0000	1.1504	1
NNNNNNNNNN	1	-12	11.9959	11.7162	5.8581	0.00	0.2798	1.0000	0.3908	1

1	39.6143	34.2265	17.1132	0.0	-2.3878	1.0000	3.1451	2
2	59.5043	5.1131	18.5586	0.0	-2.3812	1.0000	-0.5315	2
3	7.5781	6.9945	-3.4973	0.0	-0.5816	1.0000	-0.7897	2
4	3.7524	2.1772	1.0386	0.0	1.5552	1.0000	2.1140	2
5	10.9386	17.3842	6.5921	0.0	-0.4476	1.0000	-0.6046	2
6	11.1673	10.9381	5.4690	0.0	0.2292	1.0000	0.3107	2
7	58.1428	59.3699	29.6849	0.0	-1.2271	1.0000	-1.5643	2
8	11.6114	10.3678	-5.4339	0.0	-0.7436	1.0000	-1.0081	2
9	25.2582	25.3714	-12.6857	0.0	0.1132	1.0000	0.1520	2
10	3.9200	2.8565	-1.4282	0.0	-1.0635	1.0000	-1.4456	2
11	20.7174	21.0802	-10.5401	0.0	0.3628	1.0000	0.4893	2
12	11.9336	11.0098	5.9049	0.0	0.1288	1.0000	0.1747	2
13	33.4131	33.4485	16.7243	0.0	-0.0354	1.0000	-0.0472	2
14	4.4113	2.3220	1.1610	0.0	1.0893	1.0000	1.4808	2
15	46.7142	47.2596	23.6298	0.0	-0.5454	1.0000	-0.7180	2
16	12.2248	12.9846	-6.4923	0.0	0.7598	1.0000	1.0306	2
17	6.1571	5.0731	-2.5366	0.0	-1.0840	1.0000	-1.4731	2
18	6.3383	4.7153	2.3576	0.0	1.6230	1.0000	2.2056	2
19	13.6858	12.5813	6.2906	0.0	1.1045	1.0000	1.4979	2
20	2.0324	3.9223	1.9612	0.0	-1.8899	1.0000	-2.5696	2
21	32.6989	32.8552	16.4276	0.0	-0.1563	1.0000	-0.2095	2
22	6.1370	6.1782	-3.0891	0.0	0.0412	1.0000	0.0560	2
23	15.6771	15.3107	7.6553	0.0	0.3664	1.0000	0.4966	2
24	2.6232	2.9002	-1.4501	0.0	0.2770	1.0000	0.3882	1
25	8.0183	8.4922	4.2461	0.0	-0.4740	1.0000	-0.6638	1
26	12.0654	12.1041	6.0521	0.0	-0.0387	1.0000	-0.0542	1
27	11.9833	11.3306	5.9153	0.0	0.1528	1.0000	0.2137	1
28	7.8271	6.7738	-3.3809	0.0	-1.0533	1.0000	-1.4752	1
29	9.7950	4.9443	4.4722	0.0	0.8507	1.0000	1.1907	1
30	5.4516	5.1629	-2.5815	0.0	-0.2886	1.0000	-0.4045	1
31	2.8517	1.4153	-0.7076	0.0	-1.4364	1.0000	-2.0134	1
32	3.3106	4.2590	-2.1295	0.0	-1.0518	1.0000	-1.4737	1
33	9.5668	9.1040	4.5520	0.0	0.4628	1.0000	0.6477	1
34	6.8840	6.0550	-3.0275	0.0	-0.8290	1.0000	-1.1611	1
35	2.1939	2.8896	-1.4448	0.0	0.6957	1.0000	0.9751	1
36	3.4702	0.5951	-0.2975	0.0	-2.8752	1.0000	-4.0296	1
37	12.0565	12.7677	6.3838	0.0	-0.7112	1.0000	-0.9940	1
38	13.8303	13.8298	-6.9149	0.0	-0.0005	1.0000	-0.0007	1
39	13.8143	13.7773	6.8886	0.0	0.0371	1.0000	0.0517	1
40	27.6720	30.0861	15.0431	0.0	-2.4141	1.0000	-3.3288	1
41	25.7145	27.4276	13.7138	0.0	-1.7130	1.0000	-2.3667	1
42	8.0886	6.3009	-3.1504	0.0	-1.7877	1.0000	-2.5023	1
43	55.6446	37.8580	18.9290	0.0	-2.2134	1.0000	-3.0181	1
44	23.6144	23.6549	-11.8275	0.0	0.0405	1.0000	0.0561	1
45	15.9809	16.2262	8.1131	0.0	-0.2453	1.0000	-0.3418	1
46	6.4394	6.3492	3.1746	0.0	0.0903	1.0000	0.1265	1
47	3.7667	2.8872	1.4436	0.0	0.8795	1.0000	1.2325	1
48	31.5026	33.1428	16.5714	0.0	-1.6401	1.0000	-2.2513	1
49	8.8262	8.0339	4.0170	0.0	0.7923	1.0000	1.1088	1
50	37.4769	38.8067	-19.4033	0.0	1.3297	1.0000	1.8119	1
51	7.2234	6.1096	-3.0548	0.0	-1.1138	1.0000	-1.5597	1
52	4.2097	2.7554	-1.3777	0.0	-1.4543	1.0000	-2.0380	1
53	9.1933	8.1608	-4.0804	0.0	-1.0325	1.0000	-1.4450	1
54	20.4861	21.0857	10.5429	0.0	-0.5996	1.0000	-0.8339	1
55	5.6392	5.5160	2.7580	0.0	0.1232	1.0000	0.1726	1
56	3.1960	0.5652	0.2826	0.0	2.6308	1.0000	3.6873	1
57	12.5007	11.8009	5.9005	0.0	0.6998	1.0000	0.9783	1
58	20.8133	21.8580	-10.9290	0.0	1.0447	1.0000	1.4538	1
59	15.1423	15.7567	7.8784	0.0	-0.6144	1.0000	-0.8580	1
60	12.2140	11.8635	5.9318	0.0	0.3504	1.0000	0.4901	1
61	14.2077	15.6006	7.8003	0.0	-1.3929	1.0000	-1.9464	1

5	19	5.2421	4.2350	2.1175	0.0	1.0071	1.0000	1.4112	1
5	17	5.5053	5.4859	4.2329	0.0	1.0400	1.0000	1.4559	1
5	15	5.3740	4.0913	4.5457	0.0	0.7827	1.0000	1.0957	1
5	20	6.5168	6.1410	-3.0708	0.0	-0.3752	1.0000	-0.5257	1
5	21	5.8400	4.1889	2.0944	0.0	-0.5439	1.0000	-0.7693	1
5	22	3.5253	3.1833	1.5920	0.0	0.3414	1.0000	0.4785	1
7	-21	5.3507	4.6381	-2.3190	0.0	-0.7186	1.0000	-1.0070	1
7	-20	2.3410	1.3637	-0.6804	0.0	-0.9803	1.0000	-1.3741	1
7	-19	8.6706	8.4377	-4.2189	0.0	-0.2331	1.0000	-0.3264	1
7	-18	7.7151	7.1275	-3.5638	0.0	-0.5856	1.0000	-0.8202	1
7	-17	5.2877	3.4905	1.7452	0.0	1.7972	1.0000	2.5184	1
7	-16	3.4131	1.0275	-0.5137	0.0	-2.3906	1.0000	-3.3507	1
7	-15	8.1155	8.0235	4.0117	0.0	0.0920	1.0000	0.1289	1
7	-14	10.5795	9.6854	4.8427	0.0	0.8941	1.0000	1.2511	1
7	-13	25.1231	24.1955	-12.0478	0.0	1.0725	1.0000	1.4907	1
7	-12	5.4127	5.0274	-2.5137	0.0	-0.3852	1.0000	-0.5398	1
7	-11	19.0653	19.1193	-9.5595	0.0	0.0536	1.0000	0.0748	1
7	-10	9.2260	8.7955	-4.3977	0.0	-0.4311	1.0000	-0.6035	1
7	-9	6.7484	5.5208	-2.7634	0.0	-1.2216	1.0000	-1.7112	1
7	-8	7.8559	5.9805	2.9902	0.0	1.8754	1.0000	2.6263	1
7	-7	3.3550	2.1351	-1.0675	0.0	-1.2199	1.0000	-1.7098	1
7	-6	11.3224	11.6277	5.8138	0.0	-0.3053	1.0000	-0.4270	1
7	-5	27.5842	29.3211	-14.0606	0.0	1.7369	1.0000	2.4025	1
7	-4	12.1306	11.7105	-5.8552	0.0	-0.4201	1.0000	-0.5874	1
7	-2	3.7150	3.1823	-1.5912	0.0	-0.5333	1.0000	-0.7474	1
7	-1	12.9028	12.4993	0.2496	0.0	0.4036	1.0000	0.5640	1
7	0	8.0474	8.3142	4.1571	0.0	-0.2668	1.0000	-0.3736	1
7	1	5.9870	3.3775	1.6687	0.0	0.6096	1.0000	0.8543	1
7	2	2.6603	2.9885	1.4942	0.0	-0.3282	1.0000	-0.4600	1
7	3	24.2365	25.3819	-12.6910	0.0	1.1454	1.0000	1.5896	1
7	4	12.3591	12.7394	-6.3697	0.0	0.1803	1.0000	0.2520	1
7	7	6.6777	5.2150	-2.6075	0.0	-1.4627	1.0000	-2.0490	1
7	8	4.1691	4.5901	2.2950	0.0	-0.4210	1.0000	-0.5900	1
7	9	16.0620	16.1570	-8.0785	0.0	0.0950	1.0000	0.1326	1
7	10	3.8240	1.9661	0.9831	0.0	1.8578	1.0000	2.6038	1
7	11	24.5751	25.2903	-12.6451	0.0	0.7152	1.0000	0.9933	1
7	12	8.8444	8.5501	-4.2751	0.0	-0.2943	1.0000	-0.4121	1
7	14	4.7997	2.2049	1.1025	0.0	2.5948	1.0000	3.6363	1
7	16	8.3093	8.0171	4.0085	0.0	0.2922	1.0000	0.4092	1
7	17	5.6318	3.8886	-1.9443	0.0	-1.7432	1.0000	-2.4426	1
7	19	7.4514	7.6939	-3.8470	0.0	0.2425	1.0000	0.3397	1
9	-17	18.6508	19.2629	-9.6315	0.0	0.6121	1.0000	0.8285	2
9	-16	3.9666	2.2940	-1.1470	0.0	-1.6726	1.0000	-2.2738	2
9	-15	26.3335	25.8904	-12.9452	0.0	-0.4431	1.0000	-0.5971	2
9	-14	15.3837	15.0860	7.5430	0.0	0.2976	1.0000	0.4034	2
9	-13	5.9399	6.2854	3.1427	0.0	-0.3455	1.0000	-0.4695	2
9	-12	3.8974	0.3567	-0.1784	0.0	-3.5407	1.0000	-4.8133	2
9	-11	6.9661	6.2275	3.1138	0.0	0.7386	1.0000	1.0036	2
9	-10	18.6158	18.7909	-9.3955	0.0	0.1752	1.0000	0.2371	2
9	-9	32.0463	32.5605	-16.2803	0.0	0.5142	1.0000	0.6895	2
9	-8	12.3370	10.5013	5.2507	0.0	1.8357	1.0000	2.4906	2
9	-7	9.9170	8.8835	-4.4417	0.0	-1.0336	1.0000	-1.4034	2
9	-6	10.8266	10.3503	5.1751	0.0	0.4763	1.0000	0.6465	2
9	-5	12.3330	11.3670	5.8835	0.0	0.9660	1.0000	1.3106	2
9	-4	11.6599	11.0858	-5.5429	0.0	-0.5741	1.0000	-0.7791	2
9	-3	16.3132	16.6283	-8.3142	0.0	0.3152	1.0000	0.4269	2
9	-2	11.5987	11.7704	-5.8852	0.0	0.1717	1.0000	0.2330	2
9	-1	35.6885	37.0760	-18.5380	0.0	1.3874	1.0000	1.8531	2
9	0	13.5494	13.9832	6.9916	0.0	-0.4338	1.0000	-0.5883	2
9	1	12.9357	12.1835	-6.0918	0.0	-0.7522	1.0000	-1.0203	2
9	2	4.3691	4.6447	2.3223	0.0	-0.2755	1.0000	-0.3745	2

99	3	8.02442	6.79220	-3.19660	0.00	-2.63222	1.00000	-3.57449	22
99	4	7.03310	7.53668	-3.79883	0.00	-0.43344	1.00000	-0.59011	22
99	5	14.32290	14.13226	-7.06663	0.00	-0.19664	1.00000	-0.26662	22
99	6	9.06659	7.83227	-3.91663	0.00	-1.83333	1.00000	-2.48955	22
99	7	25.70882	25.57336	-12.78088	0.00	-0.19460	1.00000	-0.26222	22
99	8	12.15110	11.74033	5.87040	0.00	0.41033	1.00000	0.55567	22
99	9	2.26880	2.74330	-1.37150	0.00	0.47500	1.00000	0.64533	22
99	10	2.56110	2.32955	1.16488	0.00	0.23155	1.00000	0.31477	22
99	11	11.33326	10.52885	5.26422	0.00	0.80411	1.00000	1.09155	22
99	12	12.22110	10.84388	-5.42433	0.00	-1.37224	1.00000	-1.86233	22
99	13	11.28442	10.45228	-5.22664	0.00	-0.83144	1.00000	-1.12855	22
99	14	3.87996	3.30771	-1.65335	0.00	-0.57226	1.00000	-0.77844	22
99	15	22.14997	22.33443	-11.16722	0.00	0.18466	1.00000	0.24955	22
11	-9	5.54995	6.89669	-3.44884	0.00	1.34773	1.00000	1.88800	1
11	-8	1.84224	1.31991	-0.90996	0.00	-0.02333	1.00000	-0.03266	1
11	-7	8.21662	7.90220	-3.95110	0.00	-0.31422	1.00000	-0.44000	1
11	-6	7.88883	8.36221	4.18110	0.00	0.47533	1.00000	0.66664	1
11	-5	0.30001	6.21552	-3.10776	0.00	-0.09009	1.00000	-0.12744	1
11	-4	4.78114	5.19655	-2.59883	0.00	-0.41511	1.00000	-0.58177	1
11	-3	12.59444	11.64533	-5.82226	0.00	-0.94911	1.00000	-1.32755	1
11	-2	6.03774	4.49773	2.24889	0.00	1.53396	1.00000	2.15722	1
11	-1	10.07661	9.07322	-4.53666	0.00	-1.00229	1.00000	-1.40440	1
11	0	4.89088	3.11229	-1.55664	0.00	-1.78339	1.00000	-2.50000	1
11	1	4.04448	2.30335	-1.15177	0.00	-1.74133	1.00000	-2.44055	1
11	2	4.41411	4.07622	-2.03811	0.00	-0.33378	1.00000	-0.47355	1
11	3	5.29669	2.47115	1.23557	0.00	2.82254	1.00000	3.95933	1
11	4	0.78443	6.83022	3.41511	0.00	-0.04559	1.00000	-0.06444	1
11	5	2.30882	2.82883	-1.41442	0.00	0.52011	1.00000	0.72900	1
11	6	3.70999	0.89773	0.44889	0.00	2.81221	1.00000	3.94155	1
4	-24	8.19661	7.05223	-3.52262	0.00	-1.14338	1.00000	-1.55338	22
4	-22	19.60112	18.44330	9.22155	0.00	1.15822	1.00000	1.56622	22
4	-20	25.07552	24.99551	12.49776	0.00	0.08011	1.00000	0.10779	22
4	-18	0.13088	6.26339	-3.13220	0.00	0.13311	1.00000	0.18088	22
4	-16	16.24449	16.22441	8.11221	0.00	0.02088	1.00000	0.02811	22
4	-14	49.71334	50.11441	25.05770	0.00	-0.40077	1.00000	-0.52335	22
4	-12	47.53358	47.49775	23.74877	0.00	0.43833	1.00000	0.57229	22
4	-10	29.38449	30.64558	-15.32229	0.00	1.26099	1.00000	1.68557	22
4	-8	12.91559	11.93664	5.96882	0.00	0.97944	1.00000	1.32700	22
4	-6	55.36333	55.53990	27.76955	0.00	-0.17558	1.00000	-0.22252	22
4	-4	3.55220	1.15441	0.57770	0.00	2.43779	1.00000	3.31339	22
4	-2	54.88111	55.89554	-27.94777	0.00	1.01442	1.00000	1.29755	22
4	0	70.70667	72.72554	36.36227	0.00	-2.01877	1.00000	-2.50442	22
4	2	63.92226	65.34556	32.67228	0.00	-1.42230	1.00000	-1.79449	22
4	4	4.09022	1.02660	0.51330	0.00	3.06443	1.00000	4.16551	22
4	6	13.41066	11.20119	5.60099	0.00	2.20877	1.00000	2.99224	22
4	8	69.43114	70.05224	35.02262	0.00	-0.62110	1.00000	-0.73337	22
4	10	16.84311	15.82889	7.91445	0.00	1.01442	1.00000	1.37223	22
4	12	10.90443	10.27776	-5.13888	0.00	-0.62267	1.00000	-0.85055	22
4	14	3.63228	4.63224	-2.31622	0.00	0.99966	1.00000	1.35689	22
4	16	26.35559	26.38220	13.19110	0.00	-0.02261	1.00000	-0.03351	22
4	18	9.42811	9.74996	4.87448	0.00	-0.32144	1.00000	-0.43665	22
4	20	2.94996	4.83882	-2.41911	0.00	1.88883	1.00000	2.56722	22
4	-22	10.16227	8.41550	4.20755	0.00	1.74778	1.00000	2.37333	22
4	-24	2.26555	3.51184	1.75922	0.00	-1.25229	1.00000	-1.75633	22
4	-23	6.88116	5.53331	-2.76886	0.00	-1.34885	1.00000	-1.88911	1
4	-22	5.66177	6.07663	3.03811	0.00	-0.41446	1.00000	-0.58099	1
4	-21	2.98776	1.14022	0.57011	0.00	1.84774	1.00000	2.59955	1
4	-20	5.59133	6.88443	3.44222	0.00	-1.29300	1.00000	-1.81177	1
4	-19	5.07844	4.84332	2.42166	0.00	0.23552	1.00000	0.32966	1
4	-18	15.27336	15.93337	7.96669	0.00	-0.66011	1.00000	-0.92188	1
4	-17	5.66556	5.16446	2.58223	0.00	0.50099	1.00000	0.70188	1

4	2	-10	26.3092	27.6991	13.8496	0.0	-1.3899	1.0000	-1.9255	1
4	2	-15	22.2079	23.2478	-11.6239	0.0	-1.0399	1.0000	1.4451	1
4	2	-14	6.5775	6.2030	3.1015	0.0	0.3745	1.0000	0.5246	1
4	2	-13	9.5926	9.1841	4.5921	0.0	0.4085	1.0000	0.5717	1
4	2	-12	1.6704	1.2669	-0.8335	0.0	-0.4035	1.0000	-0.5656	1
4	2	-11	17.1305	17.7644	3.6822	0.0	-0.6339	1.0000	-0.8835	1
4	2	-10	6.0937	6.4385	3.2192	0.0	1.6602	1.0000	2.3242	1
4	2	-9	13.3791	14.1959	-7.0975	0.0	0.8159	1.0000	1.1394	1
4	2	-8	2.3579	2.4827	-0.2414	0.0	-1.8752	1.0000	-2.6284	1
4	2	-7	25.2902	27.2029	-13.6015	0.0	1.9127	1.0000	2.6440	1
4	2	-6	21.1096	21.0424	-10.5212	0.0	-0.0674	1.0000	-0.0935	1
4	2	-5	39.5639	41.7455	20.6726	0.0	-2.1816	1.0000	-2.9553	1
4	2	-4	10.5443	10.7949	3.3973	0.0	-0.2503	1.0000	-0.3499	1
4	2	-3	7.5072	6.6282	-3.3141	0.0	-0.8790	1.0000	-1.2306	1
4	2	-2	24.9399	26.2144	13.1072	0.0	-1.2745	1.0000	-1.7612	1
4	2	-1	23.2253	23.7923	-11.8962	0.0	0.5670	1.0000	0.7849	1
4	2	0	23.9070	24.3937	12.1969	0.0	-0.4867	1.0000	-0.6735	1
4	2	1	7.7092	5.2040	2.8020	0.0	2.5052	1.0000	3.5072	1
4	2	2	19.2640	20.4123	10.2064	0.0	-1.1487	1.0000	-1.5971	1
4	2	3	25.1005	26.0016	13.0008	0.0	-0.9011	1.0000	-1.2462	1
4	2	4	27.9799	29.5272	14.7636	0.0	-1.5473	1.0000	-2.1337	1
4	2	5	20.2101	20.0371	-10.0186	0.0	-0.1730	1.0000	-0.2404	1
4	2	6	12.9884	13.2842	6.6421	0.0	-0.2957	1.0000	-0.4131	1
4	2	8	4.2319	3.0065	1.5032	0.0	1.2254	1.0000	1.7172	1
4	2	9	1.4879	0.8185	-0.4093	0.0	-0.6694	1.0000	-0.9384	1
4	2	10	9.6290	9.1194	-4.5597	0.0	-0.5096	1.0000	-0.7132	1
4	2	11	9.6615	9.0458	4.5229	0.0	0.6157	1.0000	0.8617	1
4	2	13	8.0763	6.6566	-3.3283	0.0	-1.4197	1.0000	-1.9881	1
4	2	14	3.9615	5.0181	2.5091	0.0	-1.0567	1.0000	-1.4809	1
4	2	15	7.6926	7.3723	-3.5363	0.0	-0.6201	1.0000	-0.8684	1
4	2	16	4.7473	5.5417	2.7708	0.0	-0.7944	1.0000	-1.1132	1
4	2	17	4.3222	1.3812	-0.6906	0.0	-2.9410	1.0000	-4.1217	1
4	2	18	5.3738	4.7485	2.3742	0.0	0.6253	1.0000	0.8762	1
4	2	19	11.1594	11.3248	5.6624	0.0	-0.1654	1.0000	-0.2314	1
4	2	20	14.5033	14.8885	7.4443	0.0	-0.3852	1.0000	-0.5383	1
4	2	21	7.3972	7.5645	-3.7823	0.0	0.1674	1.0000	0.2344	1
4	2	-23	9.7264	8.0150	-4.0075	0.0	-1.7114	1.0000	-2.3959	1
4	2	-22	2.0209	1.4532	-0.7266	0.0	-0.5676	1.0000	-0.7957	1
4	2	-20	2.2208	0.6865	-0.3433	0.0	-1.5342	1.0000	-2.1506	1
4	2	-19	6.6839	7.1630	3.5810	0.0	-0.4781	1.0000	-0.6698	1
4	2	-18	16.0101	16.4597	8.2298	0.0	0.4496	1.0000	0.6277	1
4	2	-17	7.1958	5.9914	-2.9957	0.0	-1.2044	1.0000	-1.6870	1
4	2	-16	16.9636	17.3694	-8.6847	0.0	0.4058	1.0000	0.5662	1
4	2	-15	12.8413	13.9088	-6.9544	0.0	1.0674	1.0000	1.4922	1
4	2	-14	13.8846	13.3114	6.6557	0.0	0.5732	1.0000	0.8009	1
4	2	-13	13.9849	14.6730	7.3365	0.0	-0.6881	1.0000	-0.9613	1
4	2	-12	6.8363	6.8242	-3.4121	0.0	-0.0121	1.0000	-0.0170	1
4	2	-11	3.3665	2.4886	1.2443	0.0	0.8779	1.0000	1.2305	1
4	2	-10	13.7725	13.6143	-6.8072	0.0	-0.1582	1.0000	-0.2210	1
4	2	-9	11.5001	12.3828	-6.1914	0.0	0.8827	1.0000	1.2342	1
4	2	-8	6.0226	5.5447	-2.7724	0.0	-0.4778	1.0000	-0.6694	1
4	2	-7	4.4858	4.9575	-2.4788	0.0	0.4717	1.0000	0.6610	1
4	2	-6	6.7727	6.0275	3.0138	0.0	0.7452	1.0000	1.0436	1
4	2	-5	14.8555	15.1538	7.5769	0.0	-0.2983	1.0000	-0.4163	1
4	2	-4	20.6369	21.1462	-10.5731	0.0	0.5093	1.0000	0.7078	1
4	2	-3	7.7641	6.8052	-3.4026	0.0	-0.9589	1.0000	-1.3425	1
4	2	-2	17.7115	18.9776	-9.4888	0.0	1.2661	1.0000	1.7633	1
4	2	-1	6.4109	3.8846	-1.9423	0.0	-2.5263	1.0000	-3.5384	1
4	2	0	21.3457	22.7302	-11.3651	0.0	1.3845	1.0000	1.9229	1
4	2	1	7.3378	5.5152	-2.7576	0.0	-1.8226	1.0000	-2.5523	1
4	2	2	6.6484	5.3253	2.6627	0.0	1.3231	1.0000	1.8531	1

4	4	3	14.1228	14.1813	-7.0907	0.0	-0.0587	1.0000	-0.0819	1	
4	4	4	13.7399	14.5181	-7.2591	0.0	-0.7782	1.0000	-1.0871	1	
4	4	5	1.5318	1.9975	0.9988	0.0	-0.4657	1.0000	-0.6528	1	
4	4	6	17.9776	18.0430	-9.0415	0.0	0.1054	1.0000	0.1468	1	
4	4	7	10.0775	9.6273	-4.9139	0.0	-0.2497	1.0000	-0.3494	1	
4	4	8	3.2673	0.6608	0.3304	0.0	2.6065	1.0000	3.6533	1	
4	4	9	5.0202	4.3693	-2.1847	0.0	-0.6509	1.0000	-0.9121	1	
4	4	10	13.2087	13.7481	0.8740	0.0	-0.5394	1.0000	-0.7540	1	
4	4	11	15.1948	16.3260	8.1660	0.0	-0.1252	1.0000	-0.1747	1	
4	4	12	21.4796	21.9889	-13.9844	0.0	0.4893	1.0000	0.6808	1	
4	4	13	11.4393	10.6643	-5.3321	0.0	-0.7750	1.0000	-1.0842	1	
4	4	14	11.2056	10.5355	-5.2677	0.0	-0.6701	1.0000	-0.9376	1	
4	4	15	12.2102	12.1223	-6.0614	0.0	-0.0874	1.0000	-0.1223	1	
4	4	16	4.5324	2.1293	1.0649	0.0	2.4026	1.0000	3.3672	1	
4	4	17	3.7675	7.2335	3.6417	0.0	1.4840	1.0000	2.0780	1	
4	4	18	5.4795	6.4625	-3.2313	0.0	0.9831	1.0000	1.3775	1	
4	4	19	6.5104	6.6271	3.3136	0.0	-0.1168	1.0000	-0.1636	1	
4	4	20	15.1003	15.1575	-7.5787	0.0	0.0571	1.0000	0.0798	1	
4	4	6	4.9284	1.2652	0.6326	0.0	-3.6632	1.0000	-4.9793	2	
4	4	c	16.7427	16.4627	-8.2314	0.0	-0.2800	1.0000	-0.3793	2	
4	4	c	-19	10.7146	10.1102	5.0551	0.0	0.6044	1.0000	0.8205	2
4	4	6	-18	11.5487	10.7044	5.3522	0.0	0.8443	1.0000	1.1459	2
4	4	6	-17	9.2936	7.9503	-3.9752	0.0	-1.3432	1.0000	-1.8242	2
4	4	6	-16	12.5729	12.7354	-6.3677	0.0	0.1625	1.0000	0.2204	2
4	4	6	-15	10.3736	9.4134	-4.7067	0.0	-0.9602	1.0000	-1.3035	2
4	4	6	-14	34.6900	35.8427	-17.9214	0.0	1.1527	1.0000	1.5407	2
4	4	6	-13	7.5070	6.4426	3.2213	0.0	1.0644	1.0000	1.4461	2
4	4	6	-12	19.8069	20.1034	-10.0502	0.0	0.2936	1.0000	0.3968	2
4	4	6	-11	10.5091	9.3011	4.0505	0.0	1.2080	1.0000	1.6397	2
4	4	6	-10	9.1092	8.6469	4.3234	0.0	0.4623	1.0000	0.6278	2
4	4	6	-9	11.7544	10.9884	-5.4942	0.0	-0.7660	1.0000	-1.0393	2
4	4	6	-8	18.8263	18.6683	-9.3344	0.0	-0.1575	1.0000	-0.2129	2
4	4	6	-7	2.9026	2.9496	-1.4748	0.0	0.0470	1.0000	0.0639	2
4	4	6	-6	29.1577	29.6017	-14.8009	0.0	3.4040	1.0000	0.5419	2
4	4	6	-5	8.4980	6.6391	3.3196	0.0	1.8589	1.0000	2.5245	2
4	4	6	-4	10.3907	9.0913	-4.5456	0.0	-1.2995	1.0000	-1.7637	2
4	4	6	-3	8.5296	7.8646	3.9323	0.0	0.6650	1.0000	0.9030	2
4	4	6	-2	21.1130	21.5089	10.7545	0.0	-0.3959	1.0000	-0.5344	2
4	4	6	-1	15.0344	15.4703	-7.7351	0.0	0.4358	1.0000	0.5904	2
4	4	6	0	26.1345	26.3103	-13.1552	0.0	0.1758	1.0000	0.2364	2
4	4	6	1	5.3477	3.8558	-1.9279	0.0	-1.4919	1.0000	-2.0277	2
4	4	6	2	42.8348	43.5965	-21.7982	0.0	0.7616	1.0000	1.0074	2
4	4	6	3	13.2789	12.5260	6.2630	0.0	0.7529	1.0000	1.0208	2
4	4	6	4	9.6341	8.0665	-4.0332	0.0	-1.5677	1.0000	-2.1284	2
4	4	6	5	3.7827	3.8933	1.9469	0.0	-0.1112	1.0000	-0.1511	2
4	4	6	6	4.9469	5.1632	2.5816	0.0	-0.2163	1.0000	-0.2940	2
4	4	6	7	16.4023	16.2165	-8.1083	0.0	-0.1858	1.0000	-0.2516	2
4	4	6	8	45.4265	46.5334	-23.2667	0.0	1.1069	1.0000	1.4618	2
4	4	6	9	8.8298	7.6927	3.8464	0.0	1.1370	1.0000	1.5443	2
4	4	6	10	26.7063	26.4114	-13.2057	0.0	-0.2949	1.0000	-0.3970	2
4	4	6	11	9.7195	9.6019	4.8009	0.0	0.1176	1.0000	0.1597	2
4	4	6	12	12.2973	12.0743	6.0372	0.0	0.2229	1.0000	0.3025	2
4	4	6	13	7.6929	6.9276	-3.4638	0.0	-0.7653	1.0000	-1.0398	2
4	4	6	14	7.9529	7.6127	-3.8064	0.0	-0.3402	1.0000	-0.4621	2
4	4	6	15	24.5834	24.8967	-12.4483	0.0	0.3133	1.0000	0.4226	2
4	4	6	16	7.4766	6.3088	3.1544	0.0	1.1678	1.0000	1.5667	2
4	4	6	17	4.8128	2.4586	-1.2293	0.0	-2.3543	1.0000	-3.2002	2
4	4	8	-16	13.3073	12.4925	-6.2462	0.0	-0.8148	1.0000	-1.1394	1
4	4	8	-15	12.6744	12.5195	6.2597	0.0	0.1549	1.0000	0.2167	1
4	4	8	-14	13.1857	12.4673	-6.2337	0.0	-0.7184	1.0000	-1.0045	1
4	4	8	-13	8.6038	8.6405	-4.3203	0.0	0.0367	1.0000	0.0514	1

4	S	-12	2.9870	0.3307	-0.1903	0.0	-2.6063	1.0000	-3.6532	1
4	S	-11	5.7277	4.5684	-2.2642	0.0	-1.1593	1.0000	-1.8244	1
4	S	-10	4.5790	3.4443	1.7222	0.0	1.1347	1.0000	1.5902	1
4	S	-9	10.1196	10.1060	5.0530	0.0	0.0137	1.0000	0.0191	1
4	S	-8	2.0156	2.3799	1.1900	0.0	-0.3643	1.0000	-0.5107	1
4	S	-5	13.6398	13.7475	-0.8738	0.0	0.1077	1.0000	0.1505	1
4	S	-4	3.9070	2.4933	1.2469	0.0	1.4138	1.0000	1.9815	1
4	S	-3	2.0344	2.2033	1.1042	0.0	-0.1740	1.0000	-0.2439	1
4	S	-2	11.4603	10.4537	-5.2293	0.0	-1.0016	1.0000	-1.4013	1
4	S	-1	5.0037	2.7844	1.3922	0.0	2.2193	1.0000	3.1099	1
4	S	0	17.4308	17.9501	-5.9751	0.0	0.5194	1.0000	0.7247	1
4	S	1	4.0610	3.3484	1.6742	0.0	0.7127	1.0000	0.9988	1
4	S	2	15.6089	16.8090	-3.4049	0.0	1.2010	1.0000	1.6775	1
4	S	3	8.7063	7.7411	-3.8706	0.0	-0.9652	1.0000	-1.3516	1
4	S	4	9.5500	9.2678	-4.6339	0.0	-0.2822	1.0000	-0.3951	1
4	S	5	3.3004	0.4392	0.2196	0.0	2.8612	1.0000	4.0104	1
4	S	6	10.7542	10.1853	-5.0927	0.0	-0.5688	1.0000	-0.7961	1
4	S	7	7.4797	6.9023	3.4514	0.0	0.5769	1.0000	0.8081	1
4	S	8	4.1344	5.3183	-2.6592	0.0	1.1839	1.0000	1.6593	1
4	S	9	6.7644	4.8193	2.4090	0.0	1.9451	1.0000	2.7250	1
4	S	10	7.1523	5.2482	2.6241	0.0	1.9040	1.0000	2.6072	1
4	S	11	11.9594	11.5539	-5.7769	0.0	-0.4055	1.0000	-0.5673	1
4	S	12	6.6628	6.0879	3.0440	0.0	0.5749	1.0000	0.8054	1
4	S	14	4.2721	4.1456	-2.0728	0.0	-0.1265	1.0000	-0.1773	1
4	10	-9	5.8591	6.9173	3.4589	0.0	-1.0187	1.0000	-1.4273	1
4	10	-8	9.4944	8.3709	4.1854	0.0	1.1236	1.0000	1.5731	1
4	10	-7	2.3673	1.7846	0.8923	0.0	0.5826	1.0000	0.8167	1
4	10	-6	4.3187	5.0054	-2.5027	0.0	0.6867	1.0000	0.9624	1
4	10	-5	5.7353	5.1623	-2.5811	0.0	-0.5730	1.0000	-0.8029	1
4	10	-4	13.9401	14.1752	7.0876	0.0	-0.2351	1.0000	-0.3287	1
4	10	-2	16.5387	16.8996	8.4498	0.0	-0.3609	1.0000	-0.5040	1
4	10	-1	4.1384	3.9293	1.9647	0.0	0.2090	1.0000	0.2930	1
4	10	0	1.8108	0.7397	0.3699	0.0	1.0710	1.0000	1.5013	1
4	10	1	4.7143	2.3205	-1.1602	0.0	-2.3938	1.0000	-3.3547	1
4	10	2	9.4491	7.6811	-3.8405	0.0	-1.7681	1.0000	-2.4755	1
4	10	3	4.8752	5.4539	-2.7270	0.0	0.5787	1.0000	0.8109	1
4	10	4	7.8581	7.7810	3.8905	0.0	0.0771	1.0000	0.1080	1
4	10	6	7.4489	5.2948	2.6474	0.0	2.1541	1.0000	3.0175	1
5	1	-22	6.1917	6.9057	-3.4529	0.0	0.7140	1.0000	1.0004	1
5	1	-20	2.1890	3.1378	-1.5939	0.0	0.9988	1.0000	1.4001	1
5	1	-19	4.0690	5.3036	2.6518	0.0	-1.2346	1.0000	-1.7302	1
5	1	-18	7.9121	7.3660	3.6830	0.0	0.5460	1.0000	0.7647	1
5	1	-17	5.2929	3.8708	-1.9354	0.0	-1.4222	1.0000	-1.9928	1
5	1	-16	7.1849	6.1836	3.0918	0.0	1.0013	1.0000	1.4025	1
5	1	-15	16.9740	16.9310	-8.4655	0.0	-0.0430	1.0000	-0.0600	1
5	1	-14	15.3852	15.3251	-7.6625	0.0	-0.0602	1.0000	-0.0840	1
5	1	-13	11.3887	11.1296	-5.5648	0.0	-0.2591	1.0000	-0.3624	1
5	1	-12	3.4313	0.7537	0.3768	0.0	2.6776	1.0000	3.7529	1
5	1	-11	12.7855	13.7021	-6.8511	0.0	0.9166	1.0000	1.2813	1
5	1	-10	8.7588	8.3868	4.1934	0.0	0.3721	1.0000	0.5209	1
5	1	-9	10.4847	10.2934	-5.1467	0.0	-0.1913	1.0000	-0.2676	1
5	1	-8	3.9809	3.7273	1.8637	0.0	0.2536	1.0000	0.3554	1
5	1	-7	19.3918	20.2007	-10.1004	0.0	0.8090	1.0000	1.1263	1
5	1	-6	17.8141	18.3061	-9.1531	0.0	0.4921	1.0000	0.6857	1
5	1	-4	6.4657	5.6036	2.8018	0.0	0.8621	1.0000	1.2076	1
5	1	-3	9.2503	9.5296	4.7648	0.0	-0.2793	1.0000	-0.3908	1
5	1	-2	9.2843	8.7571	4.3765	0.0	0.5273	1.0000	0.7379	1
5	1	-1	2.5370	0.4918	-0.2459	0.0	-2.0452	1.0000	-2.8667	1
5	1	0	2.1283	1.5367	-0.7683	0.0	-0.5916	1.0000	-0.8293	1
5	1	1	17.5886	17.5456	-8.7728	0.0	-0.0430	1.0000	-0.0600	1
5	1	2	21.1867	21.3173	-10.6587	0.0	0.1306	1.0000	0.1817	1

1	4	4.0919	2.4662	1.2331	0.0	1.6257	1.0000	2.2783	1
1	5	11.4202	11.2699	5.0350	0.0	0.1502	1.0000	0.2101	1
1	6	10.5828	11.2309	-5.6155	0.0	0.3481	1.0000	0.4870	1
1	7	9.6399	9.3004	4.6502	0.0	0.3395	1.0000	0.4751	1
1	8	21.3716	22.3518	-11.1759	0.0	0.9802	1.0000	1.3635	1
1	9	8.1470	7.2151	-3.6076	0.0	-0.9318	1.0000	-1.3049	1
1	10	18.9965	18.9710	-9.4355	0.0	-0.1255	1.0000	-0.1749	1
1	11	9.5590	9.7473	-4.8737	0.0	0.1883	1.0000	0.2636	1
1	12	3.0704	1.3324	-0.6912	0.0	-1.6880	1.0000	-2.3660	1
1	13	15.6100	16.4957	8.2479	0.0	-0.8857	1.0000	-1.2371	1
1	14	2.7565	0.9312	0.4656	0.0	1.8253	1.0000	2.5585	1
1	15	4.7438	3.8210	-1.9105	0.0	-0.9228	1.0000	-1.2932	1
1	16	9.7251	5.8052	-4.9026	0.0	0.0801	1.0000	0.1121	1
1	17	4.1832	3.3505	-1.6752	0.0	-0.8328	1.0000	-1.1671	1
1	18	2.8904	2.1508	-1.0754	0.0	-0.7395	1.0000	-1.0366	1
3	-21	4.4587	2.0393	1.0197	0.0	2.4194	1.0000	3.2888	2
-20		4.3913	3.6312	-1.8156	0.0	-0.7601	1.0000	-1.0333	2
-19		27.1977	26.9594	-13.4797	0.0	-0.2383	1.0000	-0.3268	2
-18		6.1236	5.7012	-2.8506	0.0	0.4224	1.0000	0.5741	2
-17		6.1538	4.7160	-2.3580	0.0	-1.4378	1.0000	-1.9540	2
-16		3.4297	0.4787	0.2393	0.0	2.9511	1.0000	4.0119	2
-15		14.8312	14.6548	7.3274	0.0	0.1764	1.0000	0.2391	2
-14		5.8747	5.5517	-2.7758	0.0	-0.3230	1.0000	-0.4390	2
-13		21.0693	21.3343	-10.6672	0.0	-0.3349	1.0000	-0.4522	2
-12		4.5466	2.4883	-1.2442	0.0	-2.0582	1.0000	-2.7977	2
-11		51.2971	52.6476	-26.3238	0.0	1.3505	1.0000	1.7672	2
-10		7.7368	6.0057	3.0029	0.0	1.7310	1.0000	2.3514	2
-9		4.3827	3.3595	1.6797	0.0	1.0232	1.0000	1.3908	2
-7		1.8937	2.1856	-1.0928	0.0	0.2920	1.0000	0.3970	2
-6		5.7144	4.3230	-2.1615	0.0	-1.3914	1.0000	-1.8908	2
-5		39.4781	40.5502	-20.2751	0.0	1.0721	1.0000	1.4214	2
-4		4.8542	0.3137	-0.1568	0.0	-4.5406	1.0000	-6.1714	2
-3		31.7520	32.8947	-16.4473	0.0	1.1427	1.0000	1.5278	2
-2		8.5065	8.0921	4.0461	0.0	0.4144	1.0000	0.5627	2
-1		19.6387	20.5773	10.2887	0.0	-0.9387	1.0000	-1.2680	2
0		5.7356	4.3383	-2.1691	0.0	-1.3974	1.0000	-1.8990	2
1		4.4617	3.2140	-1.6070	0.0	-1.2478	1.0000	-1.6960	2
2		5.3462	5.0102	-2.5051	0.0	-0.3360	1.0000	-0.4566	2
3		28.6100	26.7514	-14.3757	0.0	0.1413	1.0000	0.1897	2
4		3.7801	2.0124	1.0062	0.0	1.7677	1.0000	2.4030	2
5		26.8618	26.7811	-13.3908	0.0	-0.0802	1.0000	-0.1079	2
6		3.6677	3.8871	1.9437	0.0	-0.2196	1.0000	-0.2986	2
7		11.6882	10.5617	5.2806	0.0	1.1270	1.0000	1.5292	2
8		4.2684	4.2972	-2.1486	0.0	0.0288	1.0000	0.0392	2
9		15.4333	14.9898	-7.4949	0.0	-0.4434	1.0000	-0.6008	2
11		39.1173	40.1116	-20.0558	0.0	0.9944	1.0000	1.3241	2
12		5.8676	1.7125	0.8562	0.0	4.1551	1.0000	5.6471	2
13		17.2035	17.5761	-8.7880	0.0	0.3726	1.0000	0.5045	2
14		2.1360	3.2906	1.6453	0.0	-1.1545	1.0000	-1.5698	2
15		14.1336	14.0709	7.0355	0.0	0.0627	1.0000	0.0850	2
17		16.2928	15.7226	-7.8613	0.0	-0.5702	1.0000	-0.7726	2
-19		3.6870	3.1968	1.5984	0.0	0.4903	1.0000	0.6871	1
-18		9.6753	8.5542	-4.2771	0.0	-1.1211	1.0000	-1.5695	1
-17		2.3733	2.5840	1.2920	0.0	-0.2106	1.0000	-0.2952	1
-16		5.5068	6.1680	-3.0840	0.0	0.6612	1.0000	0.9265	1
-15		10.6634	10.6585	-5.3292	0.0	-0.0049	1.0000	-0.0069	1
-14		13.8103	13.1114	6.5557	0.0	0.6989	1.0000	0.9770	1
-13		18.6297	18.8122	-9.4061	0.0	0.1825	1.0000	0.2546	1
-12		5.3930	3.4430	-1.7215	0.0	-1.9499	1.0000	-2.7323	1
-11		13.4692	15.0275	-7.5137	0.0	1.5583	1.0000	2.1783	1
-10		6.8469	6.8716	-3.4358	0.0	0.0246	1.0000	0.0345	1

0	0	-12	3.7892	2.7639	-1.3849	0.0	1.0203	1.0000	1.3870	2
0	0	-10	20.7531	25.2394	-14.6447	0.0	0.5363	1.0000	0.7209	2
0	0	-8	19.9759	20.4046	-10.2023	0.0	0.4288	1.0000	0.5795	2
0	0	-6	7.1508	5.9656	-2.9828	0.0	-1.1912	1.0000	-1.6185	2
0	0	-4	3.5692	4.2414	-2.1207	0.0	0.6722	1.0000	0.9139	2
0	0	-2	40.1330	43.0598	-21.5299	0.0	2.9268	1.0000	3.8864	2
0	0	0	21.3271	21.5245	-10.7622	0.0	0.1973	1.0000	0.2665	2
0	0	2	16.6617	16.7441	-3.3721	0.0	-0.0824	1.0000	-0.1116	2
0	0	4	4.1903	3.9128	-1.9504	0.0	-0.2775	1.0000	-0.3772	2
0	0	6	41.2437	42.6992	-21.0496	0.0	0.8555	1.0000	1.1373	2
0	0	8	5.6595	5.4335	-2.7418	0.0	0.1759	1.0000	0.2357	2
0	0	10	12.7140	12.3082	0.1541	0.0	0.4064	1.0000	0.5514	2
0	0	12	26.2460	26.7745	-13.3872	0.0	0.5285	1.0000	0.7121	2
0	2	-17	1.8219	0.6594	0.3297	0.0	1.1624	1.0000	1.6295	1
0	2	-16	3.3880	7.9268	3.9634	0.0	0.4612	1.0000	0.6458	1
0	2	-15	11.7093	11.2293	-5.6149	0.0	-0.4794	1.0000	-0.6707	1
0	2	-14	4.3135	4.0886	2.0443	0.0	0.2249	1.0000	0.3152	1
0	2	-13	6.5354	6.3994	3.1997	0.0	0.1359	1.0000	0.1904	1
0	2	-12	4.8220	3.2373	-1.6187	0.0	-1.5847	1.0000	-2.2207	1
0	2	-11	5.5488	5.5779	-2.7689	0.0	-0.0291	1.0000	-0.0407	1
0	2	-10	3.6127	6.7163	-3.3587	0.0	-1.2964	1.0000	-1.8156	1
0	2	-9	3.8121	2.9836	-1.497	0.0	-0.8284	1.0000	-1.1611	1
0	2	-8	5.2616	6.5047	-3.257	0.0	1.2430	1.0000	1.7418	1
0	2	-7	9.2165	9.0573	-4.5267	0.0	-0.1591	1.0000	-0.2228	1
0	2	-6	17.7318	18.7932	-9.3966	0.0	1.0615	1.0000	1.4307	1
0	2	-5	9.3695	7.5993	3.7996	0.0	1.7702	1.0000	2.4781	1
0	2	-4	21.4888	22.0897	-11.0449	0.0	0.6009	1.0000	0.8362	1
0	2	-3	6.0566	4.0120	2.0060	0.0	2.0446	1.0000	2.8646	1
0	2	-2	9.9154	10.8463	-5.4232	0.0	0.9310	1.0000	1.3030	1
0	2	-1	2.6767	1.2576	-0.6288	0.0	-1.4192	1.0000	-1.9893	1
0	2	0	4.4454	3.2291	1.6145	0.0	1.2164	1.0000	1.7047	1
0	2	1	11.7306	11.0975	-5.5487	0.0	-0.6331	1.0000	-0.8857	1
0	2	2	4.8213	4.0301	-2.0150	0.0	-0.7913	1.0000	-1.1088	1
0	2	3	11.3284	11.3727	5.6864	0.0	-0.0443	1.0000	-0.0620	1
0	2	4	3.1999	0.8836	-0.4418	0.0	-2.3163	1.0000	-3.2467	1
0	2	5	8.1310	7.3285	3.6643	0.0	0.8025	1.0000	1.1238	1
0	2	6	9.4369	8.7379	4.3690	0.0	0.6990	1.0000	0.9786	1
0	2	7	9.1299	8.1812	-4.0906	0.0	-0.9487	1.0000	-1.3283	1
0	2	8	5.4463	5.4643	-2.7321	0.0	0.0180	1.0000	0.0252	1
0	2	9	16.7068	15.6583	-7.8294	0.0	-1.0480	1.0000	-1.4633	1
0	2	10	14.9427	14.6363	7.3184	0.0	0.3059	1.0000	0.4275	1
0	2	11	11.8623	10.5361	-5.2681	0.0	-1.3262	1.0000	-1.8554	1
0	2	12	5.0379	3.2847	-1.6424	0.0	-1.7532	1.0000	-2.4568	1
0	2	13	10.1645	9.4483	-4.7242	0.0	-0.7161	1.0000	-1.0024	1
0	4	-14	5.2516	4.2611	2.1306	0.0	0.9905	1.0000	1.3879	1
0	4	-13	3.6215	2.1899	1.0950	0.0	1.4315	1.0000	2.0064	1
0	4	-12	12.8558	13.1268	6.5634	0.0	-0.2710	1.0000	-0.3790	1
0	4	-11	11.0791	10.8772	5.4386	0.0	0.2020	1.0000	0.2826	1
0	4	-9	4.3602	4.0346	-2.0173	0.0	-0.3256	1.0000	-0.4563	1
0	4	-8	5.2162	4.3342	-2.1671	0.0	-0.8820	1.0000	-1.2360	1
0	4	-7	12.3506	12.3282	-6.1641	0.0	0.0776	1.0000	0.1086	1
0	4	-6	21.3237	22.6201	11.3100	0.0	-1.2964	1.0000	-1.8050	1
0	4	-5	13.1115	13.0530	6.5265	0.0	0.0585	1.0000	0.0818	1
0	4	-4	10.5950	10.1573	5.0787	0.0	0.4377	1.0000	0.6125	1
0	4	-3	4.1036	4.3422	-2.1711	0.0	-0.2386	1.0000	-0.3344	1
0	4	-2	3.6028	2.4530	-1.2265	0.0	-1.1498	1.0000	-1.6115	1
0	4	-1	11.9477	12.0356	-6.0178	0.0	0.0879	1.0000	0.1229	1
0	4	0	5.7675	4.9608	2.4804	0.0	0.8067	1.0000	1.1304	1
0	4	1	3.9068	1.1055	-0.5527	0.0	-2.8013	1.0000	-3.9262	1
0	4	2	13.9448	13.3585	6.6793	0.0	0.5863	1.0000	0.8195	1
0	4	3	12.9187	13.4012	6.7006	0.0	-0.4825	1.0000	-0.6748	1

6	4	5	2.8410	2.5538	-1.2769	0.0	-0.2872	1.0000	-0.4025	1
6	4	7	4.7499	5.0177	-1.5088	0.0	-1.7322	1.0000	-2.4275	1
6	4	8	2.7746	1.7555	0.8777	0.0	1.0191	1.0000	1.4285	1
6	4	9	3.8249	2.7297	1.3648	0.0	1.0952	1.0000	1.5350	1
6	4	10	12.4055	11.8596	5.9448	0.0	3.5160	1.0000	0.7218	1
6	4	11	5.1773	4.8059	2.4030	0.0	0.3714	1.0000	0.5204	1
6	6	-11	7.9422	8.6846	4.3423	0.0	-0.7424	1.0000	-1.0087	2
6	6	-10	22.4599	22.2552	11.1276	0.0	0.2047	1.0000	0.2764	2
6	6	-9	3.4483	0.6354	-0.4477	0.0	-2.5529	1.0000	-3.4707	2
6	6	-8	17.5561	17.4037	8.7019	0.0	0.1524	1.0000	0.2064	2
6	6	-7	8.5143	7.1424	-3.5712	0.0	-1.3718	1.0000	-1.8635	2
6	6	-6	6.0461	5.8862	-2.9431	0.0	-0.1598	1.0000	-0.2172	2
6	6	-5	3.4536	3.4604	1.7302	0.0	-0.0068	1.0000	-0.0092	2
6	6	-4	6.8423	4.0013	2.0007	0.0	2.8410	1.0000	3.8605	2
6	6	-3	9.6910	9.0052	4.5020	0.0	0.6858	1.0000	0.9313	2
6	6	-2	52.1915	34.0281	17.0141	0.0	-1.8366	1.0000	-2.4627	2
6	6	-1	9.4678	7.6088	-3.8344	0.0	-1.7990	1.0000	-2.4432	2
6	6	0	10.2705	9.2712	4.6356	0.0	0.9994	1.0000	1.3569	2
6	6	1	4.2874	4.6039	-2.3020	0.0	0.3166	1.0000	0.4303	2
6	6	2	8.6512	8.2141	-4.1070	0.0	-0.4372	1.0000	-0.5938	2
6	6	3	7.0842	6.2122	3.1061	0.0	0.8720	1.0000	1.1849	2
6	6	4	14.1578	13.3396	6.6698	0.0	0.8182	1.0000	1.1096	2
6	6	5	6.0670	4.4231	2.2115	0.0	1.6439	1.0000	2.2342	2
6	6	6	24.4045	24.1354	12.0677	0.0	0.2692	1.0000	0.3632	2
7	1	-9	5.1385	3.4529	1.7265	0.0	1.6855	1.0000	2.3620	1
7	1	-8	4.7600	5.5387	2.7693	0.0	-0.7787	1.0000	-1.0913	1
7	1	-7	7.0994	6.7461	-3.3731	0.0	-0.3532	1.0000	-0.4948	1
7	1	-6	7.1000	7.4861	3.7430	0.0	0.3861	1.0000	0.5409	1
7	1	-4	2.5123	1.0388	-0.5194	0.0	-1.4734	1.0000	-2.0654	1
7	1	-3	11.9169	11.3303	5.6654	0.0	0.5860	1.0000	0.8198	1
7	1	-2	7.4831	7.7596	3.8798	0.0	-0.2764	1.0000	-0.3872	1
7	1	-1	11.3608	12.0560	6.0280	0.0	-0.6892	1.0000	-0.9643	1
7	1	0	2.9749	2.0128	1.0064	0.0	0.9621	1.0000	1.3486	1
7	1	1	3.6670	1.9924	0.9962	0.0	1.6745	1.0000	2.3470	1
7	1	2	11.5673	11.8132	-5.9066	0.0	0.2460	1.0000	0.3441	1
7	1	3	10.8714	10.1591	5.0796	0.0	0.7123	1.0000	0.9968	1
7	1	4	4.4618	3.0928	1.5464	0.0	1.3690	1.0000	1.9186	1
7	1	5	13.1470	12.8044	6.4022	0.0	0.3431	1.0000	0.4799	1
7	3	-7	24.7033	24.8537	12.4269	0.0	-0.1504	1.0000	-0.2028	2
7	3	-6	5.6222	3.3496	-1.6748	0.0	-2.2726	1.0000	-3.0889	2
7	3	-5	7.1416	5.6209	2.8105	0.0	1.5207	1.0000	2.0663	2
7	3	-4	3.8440	1.5066	-0.7533	0.0	-2.3374	1.0000	-3.1775	2
7	3	-3	10.8765	10.0380	-5.0190	0.0	-0.8385	1.0000	-1.1383	2
7	3	-2	5.5866	4.6675	2.3338	0.0	0.9191	1.0000	1.2492	2
7	3	-1	23.0889	24.1256	12.0628	0.0	-1.0368	1.0000	-1.3997	2
7	3	0	4.6241	0.4135	0.2067	0.0	4.2106	1.0000	5.7237	2
7	3	1	26.0414	25.7617	12.8809	0.0	0.2797	1.0000	0.3770	2
7	3	2	5.2159	3.4532	-1.7266	0.0	-1.7628	1.0000	-2.3960	2

NO= 1324 NV= 89

DISCREPANCY FACTORS BASED ON PARAMETERS BEFORE CYCLE 1

SLM(W*(O-C)**2) IS 0.4166E+04

SQRT(SUM(...(O-C)**2/NO-NV) IS 1.8367

NUMERATOR DENOMINATOR R

R FACTOR INCLUDING ZEROS 1733.618 24417.512 0.071

K	L	10FC	10FC	10FC	K	L	10FD	10FC	10FC	K	L	10FD	10FC
5	12	157	167	132	0	-26	529	540	2	2	16	202	190
5	14	145	132	219	0	-22	581	370	2	2	17	227	243
5	22	215	159	159	0	-18	125	125	2	2	22	142	159
5	23	192	162	274	0	-16	677	325	2	2	23	160	160
5	29	125	170	104	0	-14	272	258	2	2	29	120	150
5	30	169	170	170	0	-12	423	421	2	2	30	132	160
5	31	124	172	120	0	-10	1073	1032	2	2	31	128	152
5	37	177	172	170	0	-8	321	824	2	2	37	115	182
5	39	142	204	172	0	-6	855	824	2	2	39	123	142
5	44	213	294	294	0	-4	423	421	2	2	44	127	118
5	47	178	325	325	0	-2	1073	1032	2	2	47	143	135
5	50	172	325	325	0	0	321	824	2	2	50	143	148
5	51	186	163	179	0	0	653	611	2	2	51	157	148
5	52	185	159	159	0	0	640	1050	2	2	52	151	149
5	53	143	136	136	0	0	623	555	2	2	53	147	149
5	54	142	439	136	0	0	287	304	2	2	54	125	126
5	55	372	375	186	0	0	675	553	2	2	55	167	396
5	56	365	186	186	0	0	534	407	2	2	56	125	300
5	57	115	186	186	0	0	829	407	2	2	57	167	396
5	58	165	186	186	0	0	1110	1094	2	2	58	125	123
5	59	120	186	186	0	0	829	407	2	2	59	125	123
5	60	115	186	186	0	0	1110	1094	2	2	60	125	123
5	61	181	158	158	0	0	231	1094	2	2	61	122	129
5	62	181	158	158	0	0	231	1094	2	2	62	122	129
5	63	181	158	158	0	0	231	1094	2	2	63	122	129
5	64	181	158	158	0	0	231	1094	2	2	64	122	129
5	65	181	158	158	0	0	231	1094	2	2	65	122	129
5	66	181	158	158	0	0	231	1094	2	2	66	122	129
5	67	181	158	158	0	0	231	1094	2	2	67	122	129
5	68	181	158	158	0	0	231	1094	2	2	68	122	129
5	69	181	158	158	0	0	231	1094	2	2	69	122	129
5	70	181	158	158	0	0	231	1094	2	2	70	122	129
5	71	181	158	158	0	0	231	1094	2	2	71	122	129
5	72	181	158	158	0	0	231	1094	2	2	72	122	129
5	73	181	158	158	0	0	231	1094	2	2	73	122	129
5	74	181	158	158	0	0	231	1094	2	2	74	122	129
5	75	181	158	158	0	0	231	1094	2	2	75	122	129
5	76	181	158	158	0	0	231	1094	2	2	76	122	129
5	77	181	158	158	0	0	231	1094	2	2	77	122	129
5	78	181	158	158	0	0	231	1094	2	2	78	122	129
5	79	181	158	158	0	0	231	1094	2	2	79	122	129
5	80	181	158	158	0	0	231	1094	2	2	80	122	129
5	81	181	158	158	0	0	231	1094	2	2	81	122	129
5	82	181	158	158	0	0	231	1094	2	2	82	122	129
5	83	181	158	158	0	0	231	1094	2	2	83	122	129
5	84	181	158	158	0	0	231	1094	2	2	84	122	129
5	85	181	158	158	0	0	231	1094	2	2	85	122	129
5	86	181	158	158	0	0	231	1094	2	2	86	122	129
5	87	181	158	158	0	0	231	1094	2	2	87	122	129
5	88	181	158	158	0	0	231	1094	2	2	88	122	129
5	89	181	158	158	0	0	231	1094	2	2	89	122	129
5	90	181	158	158	0	0	231	1094	2	2	90	122	129
5	91	181	158	158	0	0	231	1094	2	2	91	122	129
5	92	181	158	158	0	0	231	1094	2	2	92	122	129
5	93	181	158	158	0	0	231	1094	2	2	93	122	129
5	94	181	158	158	0	0	231	1094	2	2	94	122	129
5	95	181	158	158	0	0	231	1094	2	2	95	122	129
5	96	181	158	158	0	0	231	1094	2	2	96	122	129
5	97	181	158	158	0	0	231	1094	2	2	97	122	129
5	98	181	158	158	0	0	231	1094	2	2	98	122	129
5	99	181	158	158	0	0	231	1094	2	2	99	122	129
5	100	181	158	158	0	0	231	1094	2	2	100	122	129

K	L	10FD	10FC	K	L	10FD	10FC	K	L	10FD	10FC
W	3	280	274	1	15	140	136	0	18	260	356
V	4	281	249	1	14	231	234	0	16	229	211
U	5	287	281	1	13	189	204	0	10	210	386
T	6	137	137	1	11	125	104	0	8	166	222
S	7	122	114	1	9	226	229	0	2	203	285
R	8	156	152	1	7	158	157	0	6	196	187
Q	9	173	169	1	5	116	129	0	9	626	606
P	10	276	288	1	3	226	251	0	2	205	285
O	11	186	156	1	1	148	157	0	0	181	404
N	12	184	173	1	1	158	157	0	0	196	187
M	13	164	161	1	1	148	157	0	0	181	170
L	14	123	126	1	1	152	157	0	0	184	169
K	15	128	126	1	1	152	157	0	0	184	169
J	16	129	128	1	1	152	157	0	0	184	169
I	17	194	191	1	1	152	157	0	0	184	169
H	18	172	163	1	1	152	157	0	0	184	169
G	19	128	157	1	1	152	157	0	0	184	169
F	20	322	316	1	1	152	157	0	0	184	169
E	21	194	191	1	1	152	157	0	0	184	169
D	22	129	128	1	1	152	157	0	0	184	169
C	23	129	128	1	1	152	157	0	0	184	169
B	24	129	128	1	1	152	157	0	0	184	169
A	25	129	128	1	1	152	157	0	0	184	169
Z	26	129	128	1	1	152	157	0	0	184	169
Y	27	129	128	1	1	152	157	0	0	184	169
X	28	129	128	1	1	152	157	0	0	184	169
W	29	129	128	1	1	152	157	0	0	184	169
V	30	129	128	1	1	152	157	0	0	184	169
U	31	129	128	1	1	152	157	0	0	184	169
T	32	129	128	1	1	152	157	0	0	184	169
S	33	129	128	1	1	152	157	0	0	184	169
R	34	129	128	1	1	152	157	0	0	184	169
Q	35	129	128	1	1	152	157	0	0	184	169
P	36	129	128	1	1	152	157	0	0	184	169
O	37	129	128	1	1	152	157	0	0	184	169
N	38	129	128	1	1	152	157	0	0	184	169
M	39	129	128	1	1	152	157	0	0	184	169
L	40	129	128	1	1	152	157	0	0	184	169
K	41	129	128	1	1	152	157	0	0	184	169
J	42	129	128	1	1	152	157	0	0	184	169
I	43	129	128	1	1	152	157	0	0	184	169
H	44	129	128	1	1	152	157	0	0	184	169
G	45	129	128	1	1	152	157	0	0	184	169
F	46	129	128	1	1	152	157	0	0	184	169
E	47	129	128	1	1	152	157	0	0	184	169
D	48	129	128	1	1	152	157	0	0	184	169
C	49	129	128	1	1	152	157	0	0	184	169
B	50	129	128	1	1	152	157	0	0	184	169
A	51	129	128	1	1	152	157	0	0	184	169
Z	52	129	128	1	1	152	157	0	0	184	169
Y	53	129	128	1	1	152	157	0	0	184	169
X	54	129	128	1	1	152	157	0	0	184	169
W	55	129	128	1	1	152	157	0	0	184	169
V	56	129	128	1	1	152	157	0	0	184	169
U	57	129	128	1	1	152	157	0	0	184	169
T	58	129	128	1	1	152	157	0	0	184	169
S	59	129	128	1	1	152	157	0	0	184	169
R	60	129	128	1	1	152	157	0	0	184	169
Q	61	129	128	1	1	152	157	0	0	184	169
P	62	129	128	1	1	152	157	0	0	184	169
O	63	129	128	1	1	152	157	0	0	184	169
N	64	129	128	1	1	152	157	0	0	184	169
M	65	129	128	1	1	152	157	0	0	184	169
L	66	129	128	1	1	152	157	0	0	184	169
K	67	129	128	1	1	152	157	0	0	184	169
J	68	129	128	1	1	152	157	0	0	184	169
I	69	129	128	1	1	152	157	0	0	184	169
H	70	129	128	1	1	152	157	0	0	184	169
G	71	129	128	1	1	152	157	0	0	184	169
F	72	129	128	1	1	152	157	0	0	184	169
E	73	129	128	1	1	152	157	0	0	184	169
D	74	129	128	1	1	152	157	0	0	184	169
C	75	129	128	1	1	152	157	0	0	184	169
B	76	129	128	1	1	152	157	0	0	184	169
A	77	129	128	1	1	152	157	0	0	184	169
Z	78	129	128	1	1	152	157	0	0	184	169
Y	79	129	128	1	1	152	157	0	0	184	169
X	80	129	128	1	1	152	157	0	0	184	169
W	81	129	128	1	1	152	157	0	0	184	169
V	82	129	128	1	1	152	157	0	0	184	169
U	83	129	128	1	1	152	157	0	0	184	169
T	84	129	128	1	1	152	157	0	0	184	169
S	85	129	128	1	1	152	157	0	0	184	169
R	86	129	128	1	1	152	157	0	0	184	169
Q	87	129	128	1	1	152	157	0	0	184	169
P	88	129	128	1	1	152	157	0	0	184	169
O	89	129	128	1	1	152	157	0	0	184	169
N	90	129	128	1	1	152	157	0	0	184	169
M	91	129	128	1	1	152	157	0	0	184	169
L	92	129	128	1	1	152	157	0	0	184	169
K	93	129	128	1	1	152	157	0	0	184	169
J	94	129	128	1	1	152	157	0	0	184	169
I	95	129	128	1	1	152	157	0	0	184	169
H	96	129	128	1	1	152	157	0	0	184	169
G	97	129	128	1	1	152	157	0	0	184	169
F	98	129	128	1	1	152	157	0	0	184	169
E	99	129	128	1	1	152	157	0	0	184	169
D	100	129	128	1	1	152	157	0	0	184	169
C	101	129	128	1	1	152	157	0	0	184	169
B	102	129	128	1	1	152	157	0	0	184	169
A	103	129	128	1	1	152	157	0	0	184	169
Z	104	129	128	1	1	152	157	0	0	184	169
Y	105	129	128	1	1	152	157	0	0	184	169
X	106	129	128	1	1	152	157	0	0	184	169
W	107	129	128	1	1	152	157	0	0	184	169
V	108	129	128	1	1	152	157	0	0	184	169
U	109	129	128	1	1	152	157	0	0	184	169
T	110	129	128	1	1	152	157	0	0	184	169
S	111	129	128	1	1	152	157	0	0	184	169
R	112	129	128	1	1	152	157	0	0	184	169
Q	113	129	128	1	1	152	157	0	0	184	169
P	114	129	128	1	1	152	157	0	0	184	169
O	115	129	128	1	1	152	157	0	0	184	169
N	116	129	128	1	1	152	157	0	0	184	169
M	117	129	128	1	1	152	157	0	0	184	169
L	118	129	128	1	1	152	157	0	0	184	169
K	119	129	128	1	1	152	157	0	0	184	169
J	120	129	128	1	1	152	157	0	0	184	169
I											

Muscovite
Kaystone, S.D.

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Appendix B: muscovite
^{300°C}
(400°C)

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K	L	10F ₁	10F ₂	K	L	10F ₁	10F ₂	K	L	10F ₁	10F ₂	K	L	10F ₁	10F ₂
0	0	7	337	6	10	253	203	1	17	157	185	1	17	157	185
0	0	357	375	0	12	108	104	1	20	141	148	1	20	141	148
0	0	357	375	0	13	143	152	1	21	146	156	1	21	146	156
0	0	357	375	0	14	305	491	1	22	163	154	1	22	163	154
0	0	357	375	0	16	165	171	1	23	193	179	1	23	193	179
0	0	357	375	0	17	179	174	1	24	151	117	1	24	151	117
0	0	357	375	0	17	403	178	1	25	571	517	1	25	571	517
0	0	357	375	0	18	164	155	1	26	197	149	1	26	197	149
0	0	357	375	0	18	178	170	1	27	150	150	1	27	150	150
0	0	357	375	0	19	174	204	1	28	126	119	1	28	126	119
0	0	357	375	0	19	179	176	1	29	227	223	1	29	227	223
0	0	357	375	0	20	114	145	1	30	1100	1095	1	30	1100	1095
0	0	357	375	0	20	135	145	1	31	801	795	1	31	801	795
0	0	357	375	0	21	247	261	1	32	1115	107	1	32	1115	107
0	0	357	375	0	21	117	124	1	33	555	555	1	33	555	555
0	0	357	375	0	21	146	145	1	34	171	191	1	34	171	191
0	0	357	375	0	22	257	232	1	35	662	660	1	35	662	660
0	0	357	375	0	22	346	312	1	36	107	93	1	36	107	93
0	0	357	375	0	22	114	114	1	37	316	324	1	37	316	324
0	0	357	375	0	23	571	571	1	38	571	510	1	38	571	510
0	0	357	375	0	23	210	205	1	39	514	505	1	39	514	505
0	0	357	375	0	23	210	205	1	40	210	205	1	40	210	205
0	0	357	375	0	24	668	691	1	41	705	640	1	41	705	640
0	0	357	375	0	24	705	691	1	42	823	605	1	42	823	605
0	0	357	375	0	25	261	228	1	43	261	228	1	43	261	228
0	0	357	375	0	25	95	105	1	44	95	105	1	44	95	105
0	0	357	375	0	25	1051	1025	1	45	1051	1025	1	45	1051	1025
0	0	357	375	0	26	125	125	1	46	125	125	1	46	125	125
0	0	357	375	0	26	485	459	1	47	485	459	1	47	485	459
0	0	357	375	0	27	237	217	1	48	237	217	1	48	237	217
0	0	357	375	0	27	573	572	1	49	573	572	1	49	573	572
0	0	357	375	0	27	343	348	1	50	343	348	1	50	343	348
0	0	357	375	0	28	465	418	1	51	465	418	1	51	465	418
0	0	357	375	0	28	132	114	1	52	132	114	1	52	132	114
0	0	357	375	0	29	240	154	1	53	240	154	1	53	240	154
0	0	357	375	0	29	240	154	1	54	240	154	1	54	240	154
0	0	357	375	0	30	135	112	1	55	135	112	1	55	135	112
0	0	357	375	0	30	209	174	1	56	209	174	1	56	209	174
0	0	357	375	0	31	182	168	1	57	182	168	1	57	182	168
0	0	357	375	0	31	182	168	1	58	182	168	1	58	182	168
0	0	357	375	0	32	148	165	1	59	148	165	1	59	148	165
0	0	357	375	0	32	388	389	1	60	388	389	1	60	388	389
0	0	357	375	0	33	129	122	1	61	129	122	1	61	129	122
0	0	357	375	0	33	129	122	1	62	129	122	1	62	129	122
0	0	357	375	0	34	561	545	1	63	561	545	1	63	561	545
0	0	357	375	0	34	195	195	1	64	195	195	1	64	195	195
0	0	357	375	0	35	186	181	1	65	186	181	1	65	186	181
0	0	357	375	0	35	186	181	1	66	186	181	1	66	186	181
0	0	357	375	0	36	309	281	1	67	309	281	1	67	309	281
0	0	357	375	0	36	309	281	1	68	309	281	1	68	309	281
0	0	357	375	0	37	591	550	1	69	591	550	1	69	591	550
0	0	357	375	0	37	591	550	1	70	591	550	1	70	591	550
0	0	357	375	0	38	227	227	1	71	227	227	1	71	227	227
0	0	357	375	0	38	227	227	1	72	227	227	1	72	227	227
0	0	357	375	0	39	320	320	1	73	320	320	1	73	320	320
0	0	357	375	0	39	320	320	1	74	320	320	1	74	320	320
0	0	357	375	0	40	100	105	1	75	100	105	1	75	100	105
0	0	357	375	0	40	100	105	1	76	100	105	1	76	100	105
0	0	357	375	0	41	166	168	1	77	166	168	1	77	166	168
0	0	357	375	0	41	166	168	1	78	166	168	1	78	166	168
0	0	357	375	0	42	252	252	1	79	252	252	1	79	252	252
0	0	357	375	0	42	252	252	1	80	252	252	1	80	252	252
0	0	357	375	0	43	92	98	1	81	92	98	1	81	92	98
0	0	357	375	0	43	92	98	1	82	92	98	1	82	92	98
0	0	357	375	0	44	202	202	1	83	202	202	1	83	202	202
0	0	357	375	0	44	202	202	1	84	202	202	1	84	202	202
0	0	357	375	0	45	616	625	1	85	616	625	1	85	616	625
0	0	357	375	0	45	616	625	1	86	616	625	1	86	616	625
0	0	357	375	0	46	582	557	1	87	582	557	1	87	582	557
0	0	357	375	0	46	582	557	1	88	582	557	1	88	582	557
0	0	357	375	0	47	292	277	1	89	292	277	1	89	292	277
0	0	357	375	0	47	292	277	1	90	292	277	1	90	292	277
0	0	357	375	0	48	123	154	1	91	123	154	1	91	123	154
0	0	357	375	0	48	123	154	1	92	123	154	1	92	123	154
0	0	357	375	0	49	578	545	1	93	578	545	1	93	578	545
0	0	357	375	0	49	578	545	1	94	578	545	1	94	578	545
0	0	357	375	0	50	344	344	1	95	344	344	1	95	344	344
0	0	357	375	0	50	344	344	1	96	344	344	1	96	344	344
0	0	357	375	0	51	578	545	1	97	578	545	1	97	578	545
0	0	357	375	0	51	578	545	1	98	578	545	1	98	578	545
0	0	357	375	0	52	1218	1218	1	99	1218	1218	1	99	1218	1218
0	0	357	375	0	52	1218	1218	1	100	1218	1218	1	100	1218	1218
0	0	357	375	0	53	264	264	1	101	264	264	1	101	264	264
0	0	357	375	0	53	264	264	1	102	264	264	1	102	264	264
0	0	357	375	0	54	544	544	1	103	544	544	1	103	544	544
0	0	357	375	0	54	544	544	1	104	544	544	1	104	544	544
0	0	357	375	0	55	1171	1171	1	105	1171	1171	1	105	1171	1171
0	0	357	375	0	55	1171	1171	1	106	1171	1171	1	106	1171	1171
0	0	357	375	0	56	1171	1171	1	107	1171	1171	1	107	1171	1171
0	0	357	375	0	57	1171	1171	1	108	1171	1171	1	108	1171	1171
0	0	357	375	0	58	1171	1171	1	109	1171	1171	1	109	1171	1171
0	0	357	375	0	59	1171	1171	1	110	1171	1171	1	110	1171	1171
0	0	357	375	0	60	1171	1171	1	111	1171	1171	1	111	1171	1171
0	0	357	375	0	61	1171	1171	1	112	1171	1171	1	112	1171	1171
0	0	357	375	0	62	1171	1171	1	113	1171	1171	1	113	1171	1171
0	0	357	375	0	63	1171	1171	1	114	1171	1171	1	114	1171	1171
0	0	357	375	0	64	1171	1171	1	115	1171	1171	1	115	1171	1171
0	0	357	375	0	65	1171	1171	1	116	1171	1171	1	116	1171	1171
0	0	357	375	0	66	1171	1171	1	117	1171	1171	1	117	1171	1171
0	0	357	375	0	67	1171	1171	1	118	1171	1171	1	118		

