1289

Rose Canyon

X. Section etc

EASTY

LEVEL BOOK

No. 380

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter *"F"* to catalog number.

B.M. R.R. Spike Telegraph Pole on W.L. of Santa Fe R.R. 100' north of Balboa Ave. 48.58

B.M #1 3ft West of 60ft. R.P. B.C Sta 16+98.94 Set 2x2 hub with nail in top

B.M #2 On fence Line 1 to 1½ ft East of Sta 42+80 2x2 Hub with nail

Rose Canyon Road

Bench Levels

Sta.	+	H.I.	−	Elev.	
U.S.G.S. B.M.					19.31
	1.70	21.01			
T.P.			5.81	15.20	
	2.10	17.30			
T.P.			5.91	11.39	
	7.34	18.73			
T.P.			2.70	16.03	
	7.06	23.09			
T.P			3.21	19.88	
	8.00	27.88			
B.M.			2.42		25.46
	2.42	27.88			
T.P			0.10	27.78	
	7.50	35.28			
T.P.			3.18	32.10	
	6.39	38.49			
T.P.			3.12	35.37	
	6.79	42.16			
T.P.			2.52	39.64	
	9.79	49.43			
T.P.			0.12	49.31	
	9.73	59.04			
T.P.			0.14	58.90	
	9.59	68.49			
B.M.			12.84		55.65

Sta	+	H.I.	−	Elev		
				55.65		
	12.05	67.70				
B.M.			1.28		66.42	B.M. #3. 126 Ft East of Sta. 48+00 Set 2x2 Redwood hub keel on high corner
	13.15	79.57				
T.P.			1.53	78.04		
	13.05	91.09				
T.P.			10.75	80.34		
	1.35	81.69				
B.M.			5.36		76.33	B.M #4. Set 2x2 Redwood hub with nail. 158 Ft East of Sta. 66+24
	11.99	88.32				
T.P.			1.16	87.16		
	12.11	99.27				
T.P			1.27	98.00		
	12.74	110.74				
T.P.			0.21	110.53		
	3.69	114.22				
T.P.			12.17	102.05		
	2.78	104.83				
B.M.			12.68		92.15	B.M #5 Set 2x2 Redwood hub with nail on 1st P.L 90 Ft from ℄
	12.68	104.83				
T.P.			4.60	100.23		
	5.58	105.81				
T.P.			6.84	98.97		
	3.90	102.87				
B.M.			2.47		100.40	Set 2x2 Redwood hub with nail 143 Ft B.M. #6. East of ℄ opposite clay pit

Sta.	+	H.I.	−	Elev.		
					100.40	
	2.47	102.87				
T.P.			5.80	97.07		
	2.36	99.43				
T.P			0.59	98.84		
	11.64	110.48				
B.M.			2.78		107.70	B.M. #7.
	2.78	110.48				
T.P.			11.79	98.69		
	1.10	99.79				
T.P.			12.20	87.59		
	3.83	91.42				
B.M.			4.76		86.66	B.M. #8 Set 2x2 Redwood hub 100 Ft. East of ℄ at Sta. 115+30 30 Ft From ℄ of R.R.
	8.25	94.91				
T.P.			5.28	89.63		
	5.97	95.60				
T.P			4.20	91.40		
	5.67	97.07				
B.M.			3.12		93.95	B.M. #9 Set 2x2 Redwood hub with nail 50 Ft East from Sta. 128+35 50 Ft to ℄ of R.R.
	6.90	100.85				
T.P.			2.98	97.87		
	7.97	105.84				
T.P.			2.13	103.71		
	6.64	110.35				
B.M.			0.57		109.78	B.M. #10 Set 2x2 Redwood hub with nail 50 Ft. East ℄ 50 Ft. west of R.R. Right angles to Sta. 144+28

Sta.	+	H.I.	−	Elev		
					109.75	
	5.75	115.53				
T.P.			4.83	110.70		
	7.41	118.11				
T.P.			3.87	114.24		
	7.07	121.31				
B.M.			4.40		116.91	B.M. #11 8"x8" in. Post 6 in. above Ground with R.R. Spike in top. 47 Ft. East of R.R. ℄ 147 Ft. East of Sta. 158+36
	4.40	121.31				
T.P.			0.24	121.07		
	7.30	128.37				
T.P.			2.00	126.37		
	7.81	134.18				
B.M.			3.20		130.98	B.M # 12. Set 2x2 Redwood hub on fence on edge of Rd. entering Ranch. 132 H. East of Sta. 170+30
	6.79	137.77				
T.P.			1.06	136.71		
	11.79	148.50				
B.M.			9.09		139.41	B.M. #13 Set 2x2 Redwood hub on fence Line, with nail in top 100 Ft. East of Sta. 177+29.
	12.06	151.47				
T.P.			0.64	150.83		
	12.26	163.09				
T.P			0.96	162.13		
	13.01	175.14				
T.P.			1.26	173.88		
	11.90	185.78				
T.P.			1.69	184.09		

Sta.	+	H.I.	−	Elev		
				184.09		
	7.73	191.82				
B.M.			8.84		182.98	B.M. # 14 Set 2X2 Redwood hub on fence Line. 20Ft. East of Main Highway 71Ft. West of Sta. 182+65
	12.45	195.43				
T.P.			2.74	192.69		
	6.69	199.38				
T.P.			3.36	196.02		
	9.68	205.70				
T.P.			2.16	203.54		
	10.60	214.14				
T.P.			0.32	213.82		
	12.87	226.69				
B.M.			0.54		226.15	B.M. # 15 Set 2x2 Redwood hub with nail in top 85Ft. West of Sta. 203+63
	13.12	239.27				
T.P.			6.41	232.86		
	10.22	243.08				
T.P.			4.23	238.85		
	12.36	251.21				
B.M.			1.41		249.80	B.M. # 16. Set 2X2 hub with nail in top 67Ft West of Sta. 216+63
	5.98	255.78				
B.M.			13.06		242.72	B.M. # 17. (535Ft North of Sta. 216+63 48Ft. West of Main Highway.)
	7.14	249.86				
T.P.			3.23	246.63		
	12.63	259.26				
T.P.			1.00	258.26		

Sta.	+	H.I.	−	Elev.		
				258.26		
	12.62	270.88				
B.M.			1.20		269.68	B.M. # 18. Set 2x2 Redwood hub with nail in top 90 Ft. West of Sta. 242+45
	9.93	279.61				
B.M.			2.88		276.73	B.M # 19 Set 2x2 Redwood hub with nail in top 90 Ft. West of Sta. 247+87
	7.64	284.37				
T.P.			10.69	273.68		
	12.13	285.81				
T.P.			0.75	285.06		
	10.27	295.33				
B.M.			0.73		294.60	B.M. # 20 Set 2x2 Redwood hub with nail in top 100 Ft. West of Sta. 260+00
	10.38	304.98				
T.P.			1.50	303.48		
	12.84	316.32				
B.M.			0.42		315.90	B.M. # 21 Set 2x2 Redwood hub with nail in top 122 Ft. West of Sta. 267+93
	0.42	316.32				
T.P.			8.61	307.71		
	12.49	320.20				
T.P.			0.83	319.37		
	12.65	332.02				
T.P.			0.43	331.59		
	13.27	344.86				
T.P.			0.35	344.51		
	12.07	356.58				
B.M.			1.66		354.92	B.M. # 22 Set 2x2 hub with nail in top. In eucalypt Grove 105 Ft. West of Sta. 276+30

Sta.	+	H.I.	−	Elev.	
					354.92
	1.66	356.58			
T.P.			0.62	355.96	
	13.06	369.02			
T.P.			0.07	368.95	
	12.54	381.49			
T.P.			0.57	380.92	
	8.96	389.88			
T.P.			0.82	389.06	
	9.56	398.62			
T.P.			3.08	395.54	
	6.22	401.76			
B.M.			3.96		397.80
		See Page 14			397.845
	2.74	400.585			
	See Page 14		5.60	394.95	B.M. #24
			6.35	394.235	

B.M. #23 Set 2x2 Redwood hub with nail in top 2 Ft. West of pole No. D 202 347. 60 Ft. East of pavement. 126 Ft. North of Sta. 289+83.73. Intersection of Line with East edge of Pavement

Tack P.C. Pavement on Curve West of "Italian Villa"

+	H.I.	−	Elev		
			397.80		B.M.#23 ✓
1.43	399.23				
		8.92	390.31		
1.24	391.55				
		8.48	383.07		
0.55	383.62				
		10.70	372.92		
0.33	373.25				
		12.90	360.35		
0.12	360.47				
		5.54	354.93	354.92	B.M.#22 ✓
0.15	355.08				
		10.55	344.53		
0.56	345.09				
		12.90	332.19		
0.33	332.52				
		13.21	319.31		
1.23	320.54				
		13.17	307.37		
4.54	311.91				
		1.20	310.71		
6.00	316.71				
		0.81		315.90	B.M.#21 Elev. 315.90 ✓
0.81	316.71				
		11.01	305.70		

+	H.I.	−	Elev.		
			327.72		
1.10	306.80				
		9.61	297.19		
4.92	302.11				
		7.48		294.63	B.M.#20 Elev. 294.60 ✓
8.80	303.43				
		5.22	298.21		
10.18	308.39				
		12.54	295.85		
2.43	298.28				
		12.24	286.04		
0.75	286.79				
		10.02		276.77	B.M.#19 Elev. 276.73
2.28	279.05				
		9.33		269.72	B.M.#18 Elev. 269.68 ✓
2.82	272.54				
		10.65	261.89		
3.88	265.77				
		10.55	255.22		
3.54	258.76				
		12.50	246.26		
2.81	249.07				
		6.29		242.78	B.M.#17 Elev. 242.72 ✓
12.89	255.67				
		5.81		249.86	B.M.#16 Elev. 249.80

+	H.I.	−	Elev.		
			249.86		
2.47	252.33				
		12.57	239.76		
2.00	241.76				
		12.30	229.46		
9.82	239.28				
		13.08		226.20	B.M. # 15 Elev. 226.15
7.29	233.49				
		9.86	223.63		
4.98	228.61				
		12.96	215.65		
3.28	218.93				
		11.99	206.94		
3.28	210.22				
		12.49	197.73		
3.89	201.62				
		11.06	190.56		
3.51	194.07				
		11.01		183.06	B.M. # 14 Elev. 182.98
7.88	190.94				
		11.95	178.99		
1.05	180.04				
		12.53	167.51		
0.33	167.84				
		12.57	155.27		

+	H.I.	−	Elev.
			155.27
0.32	155.59		
		12.36	143.23
1.05	144.28		
		4.79	139.49

Sta	+	H.I.	−	Elev.	
BM. #12	First	Levels			130.98
	12.44	143.42			
T.P.			5.00	138.42	
	9.53	147.95			
BM. #13			8.53		139.42
"	First	Levels			139.41
	12.51	151.92			
			0.05	151.87	
T.P.	12.03	163.90			
			1.16	162.74	
	12.18	174.92			
			0.05	174.87	
	10.58	185.45			
			1.45	184.00	
	6.79	190.79			
B.M. #14			7.80	182.99	182.99
"	First	Levels,			182.98
	12.29	195.27			
			2.44	192.83	
	9.98	202.81			
			3.70	199.11	
	7.95	207.06			
			3.90	203.16	
	11.04	214.20			

Sta.	+	H.I.	−	Elev.	
		214.20			
			0.08	214.12	
	12.98	227.10			
B.M. #15			0.96	226.14	226.14
	First Levels.				226.15
	13.08	239.23			
			6.25	232.98	
	13.14	246.12			
			4.12	242.00	
	12.23	254.23			
BM #16			4.40	249.83	249.83
	First Levels				249.80
	4.41	254.21			
			11.95	242.26	
	3.78	246.04			
			12.81	233.23	
	5.97	239.20			
BM #15			13.07	226.13	226.13
	First Levels				226.15

Sta	+	H.I.	−	Elev	
B.M. #17				242.72	
	12.70	255.42			
			9.16	246.26	
	13.13	259.39			
			0.55	258.84	
	12.94	271.78			
			2.11	269.67	269.67
B.M. #18	First Levels				269.68
B.M. #20				294.60	
	12.20	306.80			
			0.62	306.18	
	12.97	319.15			
			3.24	315.91	315.91
B.M. #21	First Levels				315.90
B.M. #12				130.98	
	11.69	142.67			
			0.84	141.83	
	11.44	153.27			
			0.36	152.91	
	12.16	165.07			
			0.80	164.27	
	11.59	175.86			
			5.36	170.50	

Check on U.S. G.S. - B.M. Elev 176.640

~ Adjusted Levels ~

B.M. # 1	25.46	2"x2" RW 3' W. of 60' R.P. of B.C. 16+98 94
# 2	55.65	" " On Fence Line 100' E. of 42+80
# 3	66.42	" " 126' E. of 48+00
# 4	76.33	" " 158' E. " 66+24
# 5	92.15	
# 6	100.40	
# 7	107.71	
# 8	86.67	
# 9	93.96	
# 10	109.80	
# 11	116.93	
# 12	131.00	
# 13	139.43	
# 14	183.00	
# 15	226.17	
# 16	249.845	
# 17	242.765	
# 18	269.725	
# 19	276.775	
# 20	294.645	
# 21	315.945	
# 22	354.965	
# 23	397.845	
# 24	394.985	Nut Set in Conc. Culvert on S E. Side of Pavement due West of "Italian Villa" Inn.

Leedon
Isbell
Morgan

X sec Rose Canyon Road

Dec 4-28

US C&GS BM

B.M	5+00	24.31		19.31
0-16³ (on ℄) ℄ Pav. sec on ℄ Pav.				
50R			4.51	19.8
℄			5.55	18.7
50L			6.75	17.5
0-6³ (on ℄) sec on North edge Pav.				
50L			6.99	17.3
℄			5.78	18.5
50R			4.56	19.7
0+00				
50R			4.3	20.0
℄			5.6	18.7
50L			6.8	17.5
0+57				
50L			7.1	17.2
23L			6.2	18.1
20L			6.1	18.2
15L			6.8	17.5
℄			6.4	17.9
6R			6.3	18.0
14R			6.8	17.5
23R			4.7	19.6
50R			4.5	19.8

1+00		24.31		
50R			4.9	19.4
28R			5.9	18.4
23R			5.4	18.9
19R			6.7	17.6
15R			6.8	17.5
14R			7.4	16.9
5R			6.8	17.5
℄			6.7	17.6
12L			7.3	17.0
18L			6.9	17.4
23L			6.8	17.5
50L			7.4	16.9
2+00				
50L			9.1	15.2
23L			8.2	16.1
21L			7.7	16.6
18L			8.1	16.2
15L			7.8	16.5
13L			8.2	16.1
℄			7.9	16.4
11R			7.9	16.4
12R			7.3	17.0
17R			7.6	16.7
23R			6.7	17.6
27R			7.1	17.2
50R			6.4	17.9

3+00	24.31			
50 R			8.0	16.3
27 R			8.2	16.1
23 R			7.4	16.9
21 R			8.0	16.3
13 R			7.8	16.5
11 R			7.9	16.4
10 R			8.4	15.9
℄			8.3	16.0
15 L			8.8	15.5
16 L			8.4	15.9
23 L			8.7	15.6
38 L			9.8	14.5
50 L			9.9	14.4
3+75	B.C		R	
50 L			10.4	13.9
40 L			10.1	14.2
23 L			9.1	15.2
22 L			8.6	15.7
14 L			8.8	15.5
13 L			9.2	15.1
℄			8.7	15.6
10 R			9.2	15.1
12 R			8.6	15.7
21 R			8.6	15.7
23 R			8.1	16.2

3+75	24.31			
28 R			8.7	15.6
50 R			8.7	15.6
① 4+75				
50 R			8.8	15.5
40 R			9.4	14.9
27 R			9.4	14.9
23 R			9.1	15.2
15 R			9.7	14.6
11 R			9.9	14.4
10 R			10.6	13.7
5 R			9.7	14.6
℄			9.7	14.6
14 L			9.8	14.5
15 L			9.5	14.8
23 L			9.5	14.8
35 L			9.8	14.5
50 L			9.8	14.5
T.P.	1.03	15.55	9.79	14.52
4+95				
50 L			0.6	15.0
28 L			1.1	14.5
23 L			0.8	14.8
17 L			0.7	14.9
14 L			1.3	14.3
℄			1.5	14.1

4+95	15.55		
3R		5.7	9.9
10R		2.0	13.6
12R		1.0	14.6
14R		1.1	14.5
23R		0.5	15.1
30R		0.8	14.8
50R		0.3	15.3
5+03			
5OR		0.7	14.9
23R		0.3	15.3
17R		0.5	15.1
10R		2.3	13.3
℄		1.8	13.8
12L		1.6	14.0
16L		4.5	10.1
20L		1.0	14.6
23L		0.9	14.7
30L		5.4	10.2
42L		7.7	7.9
50L		9.0	6.6

5+28	15.55		
50L		0.5	15.1
43L		0.6	15.0
38L		2.7	12.9
29L		2.8	12.8
23L		2.6	13.0
15L		2.1	13.5
10L		3.0	12.6
℄		2.7	12.9
9R		3.0	12.6
10R		2.3	13.3
16R		0.8	14.8
21R		0.6	15.0
23R		0.6	15.0
50R		0.7	14.9
② 5+75-19			
50R		0.5	15.1
23R		0.2	15.4
18R		0.2	15.4
15R		2.0	13.6
6R		4.4	11.2
℄		4.4	11.2
10L		4.3	11.3
13L		3.4	12.2
23L		3.2	12.4
30L		3.0	12.6
39L		4.7	10.9

5+75 19		15.55		
50L			8.0	7.6
6+33				
50L			7.6	8.0
23L			7.5	8.1
14L			7.4	8.2
9L			6.1	9.5
℄			6.1	9.5
7R			6.1	9.5
10R			8.1	7.5
15R			8.0	7.6
23R			7.8	7.8
50R			6.0	9.6
TP	4.55	18.82	1.28	14.27
③ 6+75 21				
50R			11.0	7.8
37R			10.5	8.3
23R			8.2	10.6
8R			8.0	10.8
7R			8.6	10.2
℄			8.9	9.9
12L			8.5	10.3
15L			6.9	11.9
23L			6.1	12.7
50L			6.8	12.0
60L			6.8	12.0

7+00		18.82		
60L			9.4	10.4
50L			8.1	10.7
38L			8.1	10.7
30L			7.1	11.7
23L			6.8	12.0
15L			6.9	11.9
13L			8.1	10.7
℄			8.0	10.8
9R			7.7	11.1
12R			6.5	12.3
23R			6.0	12.8
40R			5.0	13.8
50R			5.3	13.5
60R			9.0	9.8
7+42 98 E.C.				
60R			6.9	11.9
50R			6.9	11.9
40R			6.0	12.8
~~38~~ 38R			6.4	12.4
27R			8.0	10.8
23R			8.1	10.7
11R			7.6	11.2
6R			6.9	11.9
℄			7.3	11.5
8L			7.4	11.4
12L			7.9	10.9

7+42.98 E.C. 18.82			
23L		8.7	10.1
50L		7.8	11.0
60L		6.0	12.8
7+70			
60L		6.0	12.8
50L		5.8	13.0
41L		4.9	13.9
23L		7.2	11.6
13L		7.2	11.6
10L		7.8	11.0
℄		7.0	11.8
11R		6.8	12.0
18R		6.7	12.1
23R		8.7	9.9
38R		10.0	8.8
50R		7.5	11.3
60R		6.0	12.8
8+18.68 B.C.			
60R		6.7	12.1
50R		5.1	13.7
47R		6.3	12.5
36R		5.8	13.0
23R		7.8	11.0
15R		6.5	12.3
℄		6.2	12.6

6+18.68 B C 18.82			
10L		6.2	12.6
23L		6.7	12.1
50L		6.1	12.7
60L		5.8	13.0
8+71 N c curve			
60L		4.1	14.7
50L		4.5	14.3
23L		5.1	13.7
20L		6.3	12.5
12L		5.7	13.1
℄		5.5	13.3
17R		5.2	13.6
23R		8.3	10.5
50R		7.1	11.7
60R		6.9	11.9
9+29.54 EC.			
60R		6.6	12.2
50R		6.6	12.2
40R		8.3	10.5
25R		8.0	10.8
23R		7.3	11.5
16R		4.9	13.9
℄		4.5	14.3
13L		4.2	14.6

9+27 ~~54~~	18.82			
23 L			4.1	14.7
50 L			3.7	15.1
60 L			3.9	14.9
10+00				
60 L			3.9	14.9
50 L			3.8	15.0
23 L			2.8	16.0
18 L			2.6	16.2
15 L			4.0	14.8
℄			3.7	14.9
23 R			4.4	14.4
28 R			4.4	14.4
33 R			12.5	6.3
45 R			12.0	6.8
50 R			8.8	10.0
55 R			6.4	12.4
56 R			4.2	14.6
60 R			4.2	14.6

10+50	18.82			
60 R			3.7	15.1
50 R			5.3	13.5
30 R			5.1	13.7
23 R			3.5	15.3
20 R			3.1	15.7
13 R			3.7	15.1
5 R			3.2	15.6
℄			3.3	15.5
10 L			3.2	15.6
16 L			3.5	15.3
18 L			2.5	16.3
23 L			2.0	16.8
30 L			3.1	15.7
50 L			3.4	15.4
60 L			3.3	15.5
11+00				
60 L			2.9	15.9
50 L			2.6	16.2
32 L			2.3	16.5
30 L			1.9	16.9
23 L			1.7	17.1
16 L			2.7	16.1
℄			2.9	15.9
20 R			3.1	15.7
23 R			3.7	15.1

11+00	18.82				
27 R			4.3	14.5	
45 R			4.7	14.1	
50 R			4.4	14.4	
60 R			3.1	15.7	
11+50					
60 R			2.1	16.7	
50 R			4.2	14.6	
37 R			3.6	15.2	
23 R			2.7	16.1	
15 R			2.4	16.4	
℄			2.2	16.6	
17 L			2.0	16.8	
23 L			1.2	17.6	
35 L			2.3	16.5	
50 L			2.3	16.5	
60 L			2.5	16.3	
12+00					
60 L			2.2	16.6	
50 L			2.2	16.6	
23 L			1.3	17.5	
20 L			0.6	18.2	
15 L			1.4	17.4	
℄			1.8	17.0	
14 R			1.7	17.1	
20 R			1.2	17.6	

12+00	18.82				
23 R			1.9	16.9	
40 R			3.5	15.3	
50 R			3.7	15.1	
60 R			3.5	15.3	
12+50					
60 R			3.1	15.7	
50 R			3.1	15.7	
45 R			4.3	14.5	
23 R			0.8	18.0	
17 R			0.5	18.3	
12 R			1.1	17.7	
℄			1.2	17.6	
23 L			1.4	17.4	
50 L			0.5	18.3	
60 L			0.5	18.3	
T.P.	9.01	26.72	1.11	17.71	
13+00					
60 L			9.2	17.5	
50 L			9.2	17.5	
23 L			8.8	17.9	
15 L			8.4	18.3	
14 L			9.0	17.7	
℄			8.7	18.0	
13 R			8.3	18.4	
14 R			8.2	18.5	

13+00	26.72		
19R		7.7	19.0
23R		8.4	18.3
34R		9.4	17.3
41R		11.6	15.1
50R		11.4	15.3
60R		10.8	15.9
13+50			
60R		9.0	17.7
50R		12.4	14.3
30R		11.3	15.4
25R		7.9	18.8
23R		7.8	18.9
12R		7.8	18.9
11R		8.4	18.3
℄		8.3	18.4
15L		8.7	18.0
16L		8.0	18.7
23L		8.4	18.3
50L		8.6	18.1
60L		9.1	17.6

14+00	26.72		
60L		8.5	18.2
50L		8.5	18.2
23L		7.8	18.9
17L		7.5	19.2
16L		8.3	18.4
℄		8.0	18.7
10R		7.6	19.1
11R		7.4	19.3
20R		8.0	18.7
23R		9.1	17.6
40R		11.9	14.8
46R		11.5	15.2
49R		9.4	17.3
50R		9.4	17.3
60R		9.1	17.6
15+00			
60R		8.3	18.4
50R		8.5	18.2
47R		8.6	18.1
43R		11.1	15.6
27R		10.9	15.8
23R		8.0	18.7
15R		8.2	18.5
10R		7.1	19.6
℄		6.8	19.9

15+00	26.72		
12L		6.9	19.8
19L		7.2	19.5
20L		6.9	19.8
23L		7.0	19.7
30L		7.8	18.9
50L		8.0	18.7
60L		8.0	18.7
15+50			
60L		7.2	19.5
50L		7.2	19.5
23L		6.7	20.0
℄		6.1	20.6
10R		6.0	20.7
13R		6.6	20.1
23R		10.9	15.8
33R		11.1	15.6
43R		8.4	18.3
50R		8.2	18.5
60R		8.0	18.7

16+00	26.72		
65R		7.8	18.9
50R		7.8	18.9
46R		7.9	18.8
43R		10.9	15.8
30R		10.7	16.0
25R		9.4	17.3
23R		9.4	17.3
19R		9.1	17.6
15R		5.7	21.0
℄		5.2	21.5
14L		5.5	21.2
18L		5.9	20.8
19L		5.4	21.3
23L		6.0	20.7
25L		6.3	20.4
50L		6.3	20.4
65L		6.4	20.3
16+50			
65L		5.1	21.6
50L		5.3	21.4
26L		5.3	21.4
23L		4.7	20.0
19L		4.3	22.4
18L		4.6	22.1
℄		4.1	22.6

16+50		26.72			16+98.94		26.72		
10 R			4.3	22.4	21 L			1.7	25.0
14 R			5.4	21.3	23 L			1.7	25.0
17 R			6.0	20.7	30 L			1.4	25.3
21 R			8.7	18.0	50 L			1.6	25.1
23 R			9.1	17.6	65 L			1.5	25.2
26 R			8.1	18.6	B.M. #1	6.45	31.93	1.29	25.48 25.46
30 R			8.8	17.9	17+49				
33 R			10.7	16.0	65 L			4.2	27.7
42 R			10.3	16.4	50 L			4.8	27.1
50 R			7.6	19.1	23 L			4.9	27.0
65			7.6	19.1	20 L			7.2	24.7
70 R			8.8	17.9	10 L			6.8	25.1
16+97.35 = 16+98.94			BC & L		℄			6.9	25.0
70 R			7.8	18.9	7 R			6.6	25.3
65 R			7.2	19.5	9 R			5.9	26.0
62 R			7.0	19.7	13 R			6.1	25.8
60 R			8.7	18.0	23 R			8.5	23.4
50 R			10.4	16.3	34 R			11.4	20.5
38 R			9.9	16.8	46 R			14.3	17.6
31 R			7.1	19.6	50 R			14.0	27.9
23 R			5.7	21.0	52 R			15.1	16.8
10 R			2.6	24.1	75 R			14.3	17.6
℄			2.8	23.9	80 R			13.8	18.1
14 L			3.1	23.6					
19 L			3.6	23.1					

① 17+98	96	31.91								
80R			13.9	18.0						
76R			15.1	16.8						
50R			14.1	17.8						
23R			7.6	24.3						
15R			5.6	26.3						
11R			5.4	26.5						
10R			6.1	25.8						
℄			6.1	25.8						
15L			6.0	25.9						
20L			6.6	25.3						
23L			4.9	27.0						
25L			4.2	27.7						
50L			3.0	28.9						
65L			2.6	29.3						
18+49										
65L			0.6	31.3						
50L			1.5	30.5						
23L			3.5	28.4						
20L			3.8	28.1						
17L			6.2	25.7						
10L			5.6	26.3						
℄			5.5	26.4						
12R			5.6	26.3						
17R			6.6	25.3						
23R			7.9	24.0						

									12.2	
									1.3	
									10.9	
18+49		31.91								
36R			9.5	22.4						
42R			14.0	17.9						
50R			14.5	17.4						
55R			13.7	18.2						
56R			10.7	21.2						
72R			10.3	21.6						
80R			11.9	20.0						
T.P.	11.02	39.06	3.87	28.24						
② 18+98	28									
80R			19.6	19.5						
70R			18.6	20.5						
63R			17.1	22.0						
50R			16.4	22.7						
25R			15.5	23.6						
23R			14.7	24.4						
17R			12.2	26.9						
℄			12.2	26.9						
12L			12.8	26.3						
13L			12.0	27.1						
16L			11.8	27.3						
23L			6.4	32.7						
50L			4.4	34.7						
65L			3.2	35.9						

19+49		39.06			19+99.00		33.82		
65 L			+7.7	46.8	42 R			12.1	21.1
50 L			+5.8	44.9	50 R			12.0	21.2
29 L			+1.8	40.9	65 R			11.7	21.5
23 L			4.4	34.7	67 R			12.5	20.7
13 L			12.0	27.1	76 R			13.0	20.2
℄			11.5	27.6	80 R			12.0	21.2
19 R			11.4	27.7	T.P.	5.46	33.82	4.86	28.46
23 R			13.1	26.0	20+49				
28 R			16.0	23.1	90 L			+50.5	84.3
50 R			17.2	21.9	50 L			+38.7	72.5
61 R			18.5	20.6	41 L			+34.6	68.4
76 R			19.4	19.7	32 L			+28.0	61.8
80 R			19.0	20.1	23 L			34	30.4
T.P.	5.85	33.22	11.69	27.37	16 L			5.6	28.2
(3) 19+99.00					℄			5.2	28.6
80 L			+34.4	67.6	18 R			5.3	28.5
50 L			+27.0	60.2	23 R			8.2	25.6
26 L			+18.8	52.0	30 R			12.1	21.7
23 L			+2.0	35.2	38 R			11.7	22.1
16 L			4.1	29.1	50 R			12.0	21.8
11 L			5.2	28.0	58 R			13.3	20.5
℄			5.3	27.9	80 R			12.1	21.7
23 R			5.4	27.8	T.P.	5.38	34.61	4.69	29.23
26 R			7.9	25.3					
36 R			10.0	23.2					

20+99.62		34.61		
80R			13.4	21.1
50R			12.3	22.2
23R			10.8	23.7
15R			5.5	29.0
℄			5.2	29.3
20L			5.4	29.1
23L			4.4	30.1
28L			4.2	30.3
33L			+32.0	66.5
50L			+42.0	76.5
82L			+56.0	90.5
100L			+57.5	92.0
TP.	5.26	35.82	4.05	30.56
21+64				
100L			+60.7	96.4
70L			+57.8	93.5
57L			+50.6	86.3
50L			+47.0	82.7
34L			4.0	31.7
26L			5.1	30.6
23L			5.2	30.5
℄			5.2	30.5
15R			5.7	30.0
23R			11.3	24.4

21+64		35.82		
27R			12.9	22.8
50R			13.0	22.7
54R			14.5	21.2
80R			13.7	22.0
TP.	4.62	36.83	3.81	31.91
22+24				
80R			13.7	22.8
50R			14.2	22.3
35R			12.6	23.9
30R			10.5	26.0
23R			10.7	25.8
12R			5.5	31.0
℄			5.3	31.2
23L			5.6	30.9
28L			5.6	30.9
29L			4.9	31.6
38L			3.9	32.6
50L			+30.5	67.0
59L			+33.2	69.7
93L			+59.5	86.0

22+59		36.83			
90 L			+58.6	95.1	
82 L			+55.1	91.6	
72 L			+48.6	85.1	
61 L			+44.6	81.1	
50 L			+39.1	75.6	
44 L			+36.8	73.3	
T.P.	3.45	37.14	2.85	33.78	(corrected) 33.69
36 L			4.1	33.0	
27 L			5.7	31.4	
23 L			5.7	31.4	
℄			5.6	31.5	
10 R			5.5	31.6	
23 R			13.0	24.1	
27 R			14.4	22.7	
50 R			14.0	23.1	
65 R			13.2	23.9	
70 R			14.5	22.6	
85 R			14.1	23.0	

@ 22+99		37.14		
85 R			14.0	23.1
50 R			14.4	22.7
23 R			14.4	22.7
8 R			5.3	31.8
℄			5.3	31.8
20 L			5.0	32.1
23 L			5.0	32.1
28 L			5.2	31.9
32 L			4.1	33.0
39 L			3.2	33.9
50 L			+34.0	71.1
56 L			+37.1	74.2
90 L			+60.6	97.7
T.P.	5.09	37.38	4.85	32.29
23+49				
95 L			+57.5	94.9
56 L			+36.4	73.8
50 L			+34.4	71.8
34 L			4.0	33.4
23 L			5.2	32.2
℄			5.2	32.2
12 R			5.7	31.7
20 R			12.2	25.2
23 R			12.2	25.2
50 R			13.5	23.9
85 R			12.7	24.7

		37.38		
T.P.	5.18	37.41	5.15	32.23
23+79	62	E.C.		
80 R			12.4	25.0
60 R			12.5	24.9
50 R			13.7	23.7
27 R			13.0	24.4
23 R			11.5	25.9
12 R			5.2	32.2
℄			5 3	32.1
23 L			5.2	32.2
33 L			3 8	33.6
45 L			+35.8	73.2
50 L			+37.8	75.2
55 L			+40.2	77.6
70 L			+46.9	84.3
95 L			+62.6	1000
TP	4.66	37.90	4.17	33.24
24 + 50				
95 L			+56.8	94.7
80 L			+47.3	85.2
60 L			+42.7	8 0.6
50 L			+35 3	73.2
41 L			+25.0	62.9
31 L			+20.1	57.0
30 L			3.2	34.7
23 L			4.7	33.0

24+50		37.90		
℄			5.2	32.7
14 R			5.6	32.3
23 R			12.6	25.3
25 R			13 3	24.6
50 R			13 6	24.3
56 R			11.7	26.2
63 R			13.1	24.8
80 R			12.9	25.0
T.P.	5.42	38.66	4.66	33.24
25+00				
80 R			13.7	25.0
70 R			12.8	25.9
50 R			14.4	24.3
30 R			14.3	24.4
23 R			12.1	26.6
14 R			5.6	33.1
℄			5 3	33.4
19 L			5 3	33.4
23 L			4.0	34.7
26 L			3.1	35.6
34 L			+12.8	51.5
50 L			+24.7	63.4
86 L			+47.5	86.2
TP.	4.97	39.17	4.46	34.20

		∠ R.							
25+30 56 B.C		39.17			25+80 5		39.73		
87 L			+45.9	85.1	23 L			0.5	39.2
52 L			+22.7	61.9	28 L			+7.6	47.3
43 L			+18.4	57.6	50 L			+15.2	54.9
25 L			4.2	35.0	89 5 L			+34.7	74.4
23 L			4.2	35.0	T.P.	12.92	48.48 ✓	4.17	35.56 ✓
17 L			5.7	33.5	⊙ 26+30 57				
℄			5.3	33.9	90 L			+31.8	80.3
16 R			5.3	33.9	50 L			+10.4	58.9
23 R			11.2	25.0	28 L			1.1	47.4
30 R			15.0	24.2	23 L			8.0	40.5
50 R			14.7	24.5	18 L			14.2	34.3
60 R			13.5	25.7	℄			13.9	34.6
80 R			13.8	25.4	16 R			13.5	35.0
T.P.	5.48	39.73 ✓	4.92	34.25 ✓	23 R			16.8	31.7
25+80 5					33 R			21.0	27.5
80 R			14.9	24.8	34 R			22.4	26.1
50 R			14.0	25.7	50 R			22.8	25.7
45 R			14.8	24.9	63 R			23.0	25.5
30 R			15.0	24.7	80 R			23.2	25.3
23 R			11.8	27.9					
19 R			10.7	29.0					
12 R			5.1	34.6					
℄			5.3	34.4					
16 L			6.0	33.7					
17 L			4.1	35.6					

26+80	6	48 48							
80 R			23.5	25.0					
72 R			22.0	26.5					
50 R			21.8	26.7					
30 R			20.0	28.5					
23 R			17.4	31.1					
16 R			13.6	34.9					
℄			13.7	34.6					
19 L			13.5	35.0					
23 L			8.7	39.8					
28 L			2.0	46.5					
50 L			+10.8	59.3					
90 L			+33.3	81.8					
T.P.	4.25	40.25	12.48	36.00					
87+30	57								
90 L			+42.0	82.3					
50 L			+18.1	58.4					
34 L			+8.9	49.2					
23 L			2.1	88.2					
19 L			5.0	35.3					
℄			5.2	35.1					
15 R			4.9	35.4					
23 R			9.9	30.4					
40 R			13.0	27.3					
50 R			13.6	26.7					
80 R			13.5	26.8					

				90.25					
T.P.		6 24		41.87		4.62		35.63	
28+16	29	E.C.							
80 R						14.2		27.7	
50 R						14.5		27.4	
23 R						11.0		30.9	
20 R						9.9		32.0	
13 R						5.2		36.7	
℄						5.2		36.7	
16 L						5.7		36.2	
17 L						5.0		36.9	
23 L						+2.0		43.9	
27 L						+11.8		53.7	
50 L						+21.9		63.8	
90 L						+42.4		84.3	
T.P.		5 39		42.16		5.10		36.77	
29+00									
86 L						+47.9		90.1	
50 L						+22.7		64.9	
26 L						+8.9		51.1	
23 L						4.4		37.8	
℄						5.2		37.0	
16 R						5.1		37.1	
23 R						10.5		31.7	
50 R						14.0		28.2	
80 R						14.7		28.5	

		42.16		
T.P.	5.33	42.36	5.13	37.03
29+45				
80R			14.4	28.0
60R			14.8	27.6
50R			14.2	28.2
30R			11.8	30.6
23R			10.2	32.2
15R			4.9	38.5
℄			5.3	37.1
20L			4.3	38.1
23L			3.9	38.5
29L			+11.4	53.8
50L			+26.9	69.3
85L			+50.8	93.2
T.P.	5.05	42.82	4.59	37.77
30+01 80		B.G	℄ L	
86L			+50.3	93.1
50L			+26.6	69.4
28L			+11.6	54.4
10L			3.7	39.1
5L			3.7	39.1
5L			5.5	37.3
℄			5.2	37.6
15R			4.7	38.1
23R			10.6	38.2

30+01 80		42.82		
50R			13.8	29.0
57R			15.2	27.6
80R			14.5	28.3
T.P.	5.60	43.41	5.01	38.81
30+52				
80R			14.5	28.9
70R			15.5	27.9
50R			14.3	29.1
26R			12.1	31.3
23R			10.1	33.3
16R			4.9	38.5
℄			5.2	38.2
5L			5.6	37.8
5L			3.8	39.6
18L			+7.6	51.0
23L			+9.6	53.0
50L			+28.6	72.0
84L			+53.2	96.6
T.P	4.74	43.93	4.22	39.19
① 31+01 82				
84L			+53.2	97.1
50L			+30.3	74.2
23L			+12.8	56.7
4L			4.0	39.9
4L			5.3	38.6

31+01	87	43.93		
℄			5.2	38.7
17 R			4.7	38.2
23 R			10.1	33.8
35 R			13.2	30.7
50 R			14.5	29.4
80 R			15.3	28.6
T.P.	4.72	44.35 ✓	4.30	39.63 ✓
31+52				
80 R			15.2	29.2
50 R			14.2	30.2
30 R			12.2	32.2
23 R			7.8	36.6
19 R			4.5	39.9
℄			5.3	39.1
2 L			4.8	39.6
3 L			3.0	41.4
15 L			+4.6	49.0
23 L			+7.7	52.1
50 L			+22.8	67.2
87 L			+46.9	91.3
T.P.	5.57	45.86 ✓	4.66	38.69 ✓

② 32+01	84	45.26		
85 L			+52.2	97.5
50 L			+30.4	75.7
23 L			+11.6	56.9
19 L			+8.7	54.0
12 L			2.3	43.0
7 L			3.6	41.7
7 L			5.6	39.7
℄			5.3	40.0
15 R			4.6	40.7
23 R			10.5	34.8
28 R			13.2	32.1
50 R			15.5	29.8
80 R			15.8	29.5
T.P.	6.19	46.81 ✓	4.64	40.62 ✓
32+52				
80 R			18.2	28.6
67 R			16.0	30.8
50 R			17.0	29.8
31 R			16.9	29.9
23 R			13.5	33.3
8 R			4.3	42.5
℄			5.2	41.6
15 L			6.2	40.6
23 L			0.2	46.6
34 L			+16.9	63.7

32+52		46.81		
50 L			+27.3	74.1
86 L			+51.0	97.8
T.P.	4.29	42.85	9.25	38.56
33+01	86			
81 L			+53.6	96.0
50 L			+33.3	75.7
44 L			+30.9	73.3
31 L			+4.6	47.0
28 L			+0.1	42.5
23 L			+0.4	42.8
7 L			+0.9	43.3
℄			4.7	32.7
13 R			10.7	31.7
23 R			11.6	30.8
35 R			10.1	32.3
50 R			10.9	31.5
80 R			13.0	29.4
T.P.	1.99	38.30	7.04	35.81
33+52				
90 R			7.5	29.8
67 R			6.1	31.2
50 R			6.5	30.8
23 R			7.0	30.3
℄			4.7	32.6
7 L			2.6	34.7

33+52		37.30		
23 L			+6.6	43.9
41 L			+6.4	43.7
42 L			+8.8	46.1
50 L			+13.7	51.0
68 L			+35.5	72.8
TP	6.39	38.35	6.34	30.96
34+08	80	E.C.		
76 L			+46.0	83.4
60 L			+36.0	73.4
60 L			+11.4	48.8
53 L			+9.2	46.6
52 L			+8.0	45.4
50 L			+8.0	45.4
23 L			+7.9	45.3
20 L			+7.7	45.1
3 L			4.4	33.0
℄			4.8	32.6
7 R			7.2	30.2
14 R			5.3	32.1
23 R			5.3	32.1
50 R			7.1	30.3
90 R			7.5	29.9
T.P.	4.38	38.83	2.40	34.95

		39.33		
34+65	6.9	B.C.	A.R.	
90 R			8.0	31.3
70 R			9.6	29.7
50 R			7.7	31.6
30 R			9.8	29.5
23 R			8.6	30.7
10 R			8.6	30.7
℄			4.8	34.5
18 L			+7.7	47.0
23 L			+7.8	47.1
41 L			+8.3	47.6
47 L			+8.0	47.3
48 L			+9.3	48.6
50 L			+32.5	71.6
75 L			+48.0	87.3
T.P.	8.29	43.24 ✓	4.38	34.95 ✓
35+15⁰⁰				
90 L			+78.0	121.2
83 L			+70.0	113.2
77 L			+64.0	107.2
45 L			+35.0	78.2
41 L			+8.6	51.8
39 L			+7.7	50.9
38 L			+5.4	48.6
23 L			+4.9	48.1
15 L			+4.7	47.9

35+15⁰⁰		43.24		
℄			4.6	38.6
8 R			10.1	33.1
23 R			12.3	30.9
50 R			13.0	30.2
90 R			13.2	30.0
T.P.	10.68	48.72 ✓	4.50	38.74 ✓
35+65⁵⁰				
90 R			19.4	30.0
55 R			17.2	32.2
50 R			17.0	32.4
35 R			20.3	29.1
23 R			18.5	30.9
℄			4.6	44.8
8 L			+0.5	49.9
23 L			+0.5	49.9
28 L			+0.6	50.0
91 L			+2.3	51.7
50 L			+29.1	78.5
77 L			+62.0	111.4
92 L			+75.0	124.4
T.P.	6.03	54.43 ✓	1.02	48.40 ✓

36+16.00		54.43		
90 L			+93.0	127.4
75 L			+61.4	115.8
50 L			+33.4	87.8
23 L			+4.2	58.6
20 L			3.4	51.0
2 L			3.1	51.3
℄			4.1	50.3
23 R			20.3	34.1
29 R			22.8	31.6
44 R			21.3	33.1
50 R			23.1	31.3
90 R			22.4	32.0
T.P.	9.35	57.75 ✓	6.03	48.40 ✓
36+65.65				
90 R			26.0	31.8
70 R			26.3	31.5
50 R			23.8	34.0
30 R			22.4	35.4
23 R			19.0	38.8
2 R			5.2	52.6
℄			5.2	52.6
14 L			5.4	52.4
15 L			0.0	57.8

36+65.65		57.75		
23 L			+9.8	67.6
50 L			+37.2	95.0
77 L			+60.4	118.2
T.P.	10.19	58.59 ✓	9.35	48.40 ✓
37+15.65				
92 L			+54.0	112.6
57 L			+38.7	97.3
50 L			+31.9	90.5
23 L			+7.7	68.3
19 L			+6.0	64.6
18 L			4.5	54.1
℄			4.8	53.8
23 R			20.6	38.0
40 R			24.0	34.6
50 R			24.5	34.1
90 R			26.0	32.6
T.P.	11.93	60.33 ✓	10.19	48.40 ✓
③ 37+65.66				
70 R			26.4	33.9
50 R			22.0	38.3
23 R			15.0	45.3
7 R			4.5	55.8
℄			5.0	55.3
11 L			4.7	55.6
12 L			2.9	57.4

37+65.66		60.33		
23 L			+9.9	70.2
50 L			+31.6	91.9
80 L			+50.00	110.3
100 L			+60.00	120.3
T.P.	5.82	62.02 ✓	4.13	56.20 ✓
38+15.6				
97 L			+58.0	120.0
80 L			+49.0	111.0
50 L			+30.1	92.1
23 L			+11.3	73.3
10 L			5.2	56.8
℄			5.5	56.5
9 R			5.1	56.9
16 R			10.7	51.3
23 R			13.1	48.9
50 R			20.1	41.9
80 R			25.7	36.3
90 R			26.4	35.6
T.P.	6.64	62.84 ✓	5.82	56.20 ✓

38+72.30		62.84 E.C.		
90 R			24.6	38.2
70 R			21.4	42.4
50 R			18.8	44.0
23 R			14.3	48.5
20 R			13.0	49.8
12 R			5.1	57.7
℄			5.0	57.8
6 L			4.9	57.9
6 L			3.8	59.0
11 L			3.1	59.7
23 L			+10.0	72.8
40 L			+24.4	87.2
50 L			+31.6	94.4
77 L			+46.7	109.5
94 L			+56.7	119.5
T.P.	9.11	65.31 ✓	6.64	56.20 ✓
39+32.00				
90 L			+55.0	120.3
74 L			+45.8	111.1
50 L			+34.9	99.7
37 L			+25.3	90.6
23 L			+13.0	78.3
14 L			+ 9.1	74.4
2 L			5.1	60.2
℄			5.4	59.9

39 + 32.00		65.31		
15 R			5.1	60.2
23 R			11.5	53.8
31 R			16.2	49.1
50 R			19.4	45.9
90 R			24.1	41.2
T.P.	10 32	66.52 ✓	9.11	56.20 ✓
39 + 72.00				
100 R			25.1	41.4
50 R			16.4	50.1
33 R			11.4	55.1
23 R			6.6	59.9
20 R			4.6	61.9
℄			5.5	61.0
1 L			2.6	63.9
15 L			+9.2	75.7
23 L			+14.6	81.1
50 L			+29.5	96.0
73 L			+43.7	110.2
99 L			+55.0	121.5
T.P.	11.40	67.60 ✓	10.32	56.28 ✓

40 + 50.00		67.60		
104 L			+58.6	126.2
87 L			+49.2	116.8
50 L			+26.5	94.1
23 L			+12.0	79.6
9 L			+3.5	71.1
2 L			2.5	65.1
1 L			5.2	62.4
℄			5.4	62.2
20 R			4.5	63.1
23 R			6.8	60.8
29 R			11.7	55.9
50 R			17.1	50.5
90 R			24.0	43.6
T.P.	2 30	69.42 ✓	0.48	67.12 ✓
41 + 00				
90 R			25.1	44.3
50 R			21.8	47.6
33 R			14.2	55.2
23 R			7.9	61.5
20 R			5.2	64.2
10 R			5.7	63.7
℄			5.3	64.1
1 L			3.8	65.6
23 L			+12.6	82.0
50 L			+28.1	97.5

41 +00		69.42		
84L			+44.9	114.3
100L			+54.3	123.7
T.P	3.42	70.54 ✓	2.30	67.12 ✓
41 +50				
95L			+51.8	122.3
87L			+46.2	116.7
50L			+22.9	93.4
23L			+9.0	79.5
8L			+1.6	72.1
℄			4.0	66.5
1R			5.2	65.3
11R			5.3	65.2
20R			5.2	65.3
23R			7.7	62.8
36R			14.8	55.7
50R			17.6	52.9
90R			23.1	47.4
T.P.	14.25	81.37 ✓	3.42	67.12 ✓
42 +00				
90R			30.0	51.4
50R			25.8	55.6
38R			23.5	57.9
28R			14.4	67.0
23R			14.1	67.3
5R			14.3	67.1

		81.37		
℄			7.9	73.5
3L			5.6	75.8
23L			+6.4	87.8
50L			+27.8	109.2
88L			+47.7	129.1
T.P.	14.30	81.42 ✓	14.25	67.12 ✓
42 +50				
94L			+53.6	135.0
86L			+48.3	129.7
50L			+27.0	108.4
23L			+8.9	90.3
℄			4.7	76.7
7R			8.2	73.2
11R			13.1	68.3
23R			12.5	68.9
36R			11.9	69.5
50R			18.7	62.7
90R			26.3	55.1
T.P	0.17	68.58 ✓	13.01	68.41 ✓
BM #2			12.92	55.66 ✓
T.P	13.03	81.43		68.40
T.P.	5.08	85.65 ✓	0.86	80.57

43+00		85.65			43+50		88.19			
100R			29.5	56.2	37R			15.4	72.8	
62R			23.8	65.9	45R			16.3	71.9	
58R			20.0	65.7	50R			19.6	68.6	
50R			16.0	69.7	58R			24.5	63.7	
46R			14.8	70.9	65R			24.5	63.7	
41R			15.8	69.9	68R			23.3	64.9	
38R			14.8	70.9	80R			26.7	61.5	
23R			15.4	70.3	100R			30.6	57.6	
14R			16.4	69.3	T.P.	503	81.21 ✓	12.01	76.18 ✓	
9R			6.7	79.0	44+00					
℄			4.9	80.8	100R			24.9	56.3	
23L			+1.8	87.5	90R			23.3	57.9	
50L			+19.1	104.8	88R			23.7	57.5	
85L			+42.8	128.5	82R			23.3	57.9	
95L			+47.3	133.0	76R			20.5	60.7	
T.P.	762	88.19 ✓	5.08	80.57 ✓	58R			15.8	65.4	
43+50					50R			15.0	66.2	
95L			+25.2	113.4	39R			8.1	73.1	
50L			+10.4	98.6	32R			7.6	73.6	
23L			+2.7	90.9	23R			9.3	72.9	
℄			4.8	83.4	4R			8.9	72.3	
5R			6.6	81.6	℄			4.5	76.7	
12R			16.6	71.6	4L			0.8	80.4	
23R			16.4	71.8	23L			+5.0	86.2	
					50L			+13.0	94.2	

44+00		81.21		
75L			+23.3	104.5
85L			+26.0	107.2
T.P.	2.89	79.07 ✓	5.08	76.18 ✓
44+50				
90L			+40.3	119.4
50L			+13.1	92.2
23L			+1.9	81.0
14L			+0.4	79.5
5L			4.7	74.4
℄			5.3	73.8
23R			4.7	74.4
33R			5.9	73.2
42R			10.8	68.3
50R			12.5	66.6
54R			13.1	66.0
64R			16.7	62.4
80R			19.0	60.1
100R			25.2	53.9
T.P.	4.25	80.43 ✓	2.89	76.18 ✓
45+00				
100R			26.0	54.4
85R			24.1	56.3
78R			19.1	61.3
65R			17.3	63.1
63R			16.3	64.1

45+00		80.43		
50R			12.6	67.8
47R			11.7	68.7
36R			9.8	70.6
28R			5.1	75.3
23R			4.8	75.6
21R			4.0	76.4
19R			4.5	75.9
℄			5.2	75.2
6L			5.1	75.3
7L			2.5	77.9
13L			+4.0	84.4
23L			+7.1	87.5
50L			+14.5	94.9
60L			+17.9	98.3
90L			+36.6	117.0
T.P.	4.80	80.98 ✓	4.25	76.18 ✓
45+14 21	B.C.	℄ L		
90L			+33.3	114.3
65L			+20.0	101.0
50L			+15.5	96.5
23L			+7.3	88.3
15L			+4.6	85.6
8L			2.8	78.2
7L			5.2	75.8
℄			5.3	75.7

45+14 21		80.98		
17 R			4.9	76.1
20 R			4.2	76.8
23 R			5.2	75.8
30 R			6.0	75.0
36 R			10.3	70.7
50 R			13.7	67.3
60 R			16.2	64.8
63 R			17.9	63.1
76 R			19.4	61.6
83 R			24.5	56.5
100 R			26.4	54.6
T.P.	7.41	83.59 ✓	4.80	76.18 ✓
45+89				
100 R			27.1	56.5
85 R			25.2	58.4
80 R			21.4	62.2
55 R			19.6	64.0
50 R			17.6	66.0
48 R			15.1	68.5
23 R			6.4	77.2
18 R			5.9	77.7
14 R			4.7	78.9
12 R			5.1	78.5
℄			5.3	78.3

45+89		83.59		
13 L			5.3	78.3
19 L			+1.1	84.7
23 L			+1.6	85.2
50 L			+13.4	97.0
90 L			+31.7	115.3
T.P.	8.81	84.99 ✓	7.41	76.18 ✓
46+48 61	E.C. = 46+55 21			
90 L			+39.9	124.9
50 L			+17.1	102.1
30 L			+6.0	91.0
23 L			+1.9	86.9
17 L			4.0	81.0
11 L			5.4	79.6
℄			5.2	79.8
13 R			5.6	79.4
16 R			7.7	77.3
23 R			7.5	77.5
34 R			15.6	69.4
50 R			20.0	65.0
58 R			20.0	65.0
78 R			22.0	63.0
100 R			26.5	58.5
T.P.	1.51	86.16 ✓	0.34	84.65 ✓

47+00	86.16			
100R		23.7	62.5	
80R		19.7	66.5	
50R		16.0	70.2	
35R		12.3	73.9	
23R		7.0	79.2	
20R		5.0	81.2	
℄		5.0	81.2	
7L		4.1	82.1	
13L		+1.4	87.6	
23L		+6.5	92.7	
50L		+20.5	106.7	
85L		+42.5	128.7	
104L		+53.5	139.7	
47+65				
90L		+39.4	125.6	
50L		21.7	107.9	
45L		+13.9	100.1	
39L		+9.5	95.7	
37L		+5.6	91.8	
23L		3.4	82.8	
℄		1.5	84.7	
8R		2.3	83.9	
9R		3.9	82.3	
23R		3.7	82.5	
31R		3.3	82.9	

		86.16		
32R			5.2	81.0
39.5R			5.2	81.0
41R			3.8	82.4
50R			7.7	78.5
100R			18.3	67.9
T.P.	4.63	89.18	1.51	84.65
48+10				
100R			18.2	71.1
66R			10.9	78.4
54R			12.0	77.3
50R			10.7	78.6
45R			9.4	79.9
34R			8.4	80.9
27R			5.8	83.5
23R			6.0	83.3
2R			5.3	84.0
℄			4.4	84.9
23L			1.7	87.6
50L			1.1	88.2
54L			0.4	88.9
90L			+25.0	114.3
T.P.	5.13	89.78	4.63	84.65

48+50		89.78		
95L			+23.1	112.9
50L			0.0	89.8
23L			3.5	86.3
14L			5.2	84.6
℄			5.4	84.4
13R			5.6	84.2
20R			8.2	81.6
21R			12.5	77.3
23R			13.0	76.8
50R			14.3	75.5
63R			13.8	76.0
92R			15.6	74.2
100R			16.8	73.0
T.P	1.83	86.48	5.13	84.65
49+00				
100R			21.7	64.8
65R			12.6	73.9
50R			14.1	72.4
49R			10.3	76.2
23R			9.0	77.5
10R			8.7	77.8
1R			6.8	79.7
℄			4.1	82.4
3L			3.0	83.5
23L			2.5	84.0

49+00		86.48		
33L			1.5	85.0
50L			0.2	86.3
70L			1.2	85.3
49+50				
80L			1.2	84.3
50L			2.2	84.3
23L			3.6	82.9
18L			4.1	82.4
℄			10.7	75.8
23R			11.1	75.4
44R			11.1	75.4
46R			16.7	69.8
50R			18.6	67.9
64R			23.6	62.9
100R			27.4	59.1
50+00				
100R			31.0	55.5
92R			29.7	56.8
91R			28.0	58.5
81R			27.3	59.2
70R			21.0	65.5
50R			21.2	65.3
45R			16.6	69.9
43R			11.6	74.9
23R			11.0	75.5
℄			11.4	75.1

50+00	86.48			
7L			11.2	75.3
11L			8.8	77.7
23L			6.6	79.9
33L			6.0	80.5
50L			5.3	81.2
65L			5.5	81.0
80L			5.6	80.9
50+50				
80L			6.8	79.7
50L			7.3	79.2
23L			7.2	79.3
10L			10.7	75.8
℄			11.5	75.0
23R			11.3	75.2
44R			11.2	75.3
45R			13.0	73.5
50R			18.0	68.5
67R			18.2	68.3
79R			27.5	59.0
95R			29.6	56.9
100R			30.2	56.3

51+00	86.48			
100R			29.7	56.8
65R			25.9	60.6
65R			15.4	71.1
50R			17.2	69.3
40R			11.8	74.7
32R			10.8	75.7
23R			11.2	75.3
℄			11.1	75.4
14L			11.5	75.0
23L			8.7	77.8
50L			6.8	79.7
57L			7.5	79.0
80L			7.1	79.4
T.P.	0.95	81.44 ✓	5.99	80.49 ✓
51+50				
70L			2.5	78.9
65L			2.4	79.0
63L			1.2	80.2
50L			0.3	81.1
40L			0.3	81.1
23L			4.6	76.8
18L			6.0	75.4
℄			5.7	75.7
23R			5.6	75.8
29R			5.9	75.5

51+50	8144		
36R		10.2	71.2
42R		10.7	70.7
44R		8.4	73.0
50R		9.1	72.3
53R		9.7	71.7
53R		20.7	60.7
100R		24.0	57.4
52+00			
100R		24.6	56.8
55R		22.0	59.4
50R		10.5	70.9
40R		9.7	71.7
32R		9.4	72.0
27R		5.2	76.2
23R		5.3	76.1
℄		5.8	75.6
15L		7.1	74.3
23L		4.6	76.8
50L		3.1	78.3
64L		2.1	79.3
70L		1.5	79.9

52+50	8144		
70L		1.2	80.2
54L		1.4	80.0
50L		3.1	78.3
35L		5.3	76.1
23L		5.6	75.8
8L		4.5	76.9
℄		4.6	76.8
23R		4.7	76.7
27R		5.6	75.8
27R		8.0	73.4
35R		8.5	72.9
36R		6.9	74.5
43R		10.3	71.1
50R		23.0	58.4
100R		25.1	56.3
53+00			
100R		25.3	56.1
65R		25.3	56.1
37R		12.6	68.8
35R		3.7	77.7
33R		2.9	78.5
23R		5.8	75.6
19R		5.5	75.9
15R		3.9	77.5
℄		4.1	77.3

53+00	81.44		
12 L		4.0	77.4
23 L		5.3	76.1
41 L		4.0	77.4
50 L		1.8	79.6
61 L		0.0	81.4
70 L		+0.2	81.6
53+50			
70 L		+1.0	82.4
55 L		+0.8	82.2
50 L		0.3	81.1
44 L		3.0	78.4
23 L		4.3	77.1
℄		3.8	77.6
23 R		3.2	78.2
50 R		4.0	77.4
52 R		4.7	76.7
57 R		15.7	65.7
63 R		26.0	55.4
100 R		26.6	54.8
54+00			
100 R		5.3	76.1
90 R		12.0	69.4
70 R		16.2	65.2
55 R		13.0	68.4
50 R		9.0	72.4

54+00	81.44		
40 R		3.5	77.9
35 R		2.1	79.3
23 R		2.3	79.1
℄		2.0	79.4
15 L		2.2	79.2
T.P	12.58	91.92 ✓ 2.10	79.34 ✓
23 L		11.0	80.9
45 L		6.8	85.1
50 L		6.6	85.3
65 L		6.6	85.3
70 L		7.2	84.7
54+20			
70 L		6.2	85.7
66 L		6.9	85.0
57 L		5.6	86.3
50 L		5.7	86.2
40 L		5.7	86.2
23 L		9.6	82.3
15 L		12.5	79.4
℄		12.3	79.6
23 R		12.2	79.7
33 R		11.9	80.0
35 R		0.8	91.1
50 R		2.4	89.5
55 R		2.7	89.2
84 R		10.8	81.1

54+20		91.82		
100R			15.4	76.5
55+00				
86R			13.4	78.5
70R			5.0	86.9
30R			0.4	91.5
28R			11.8	80.1
23R			12.4	79.5
℄			11.0	89.9
20L			3.6	88.3
23L			3.8	88.1
50L			3.9	88.0
66L			0.0	91.9
TP	7.15	90.73	8.34	83.58
55+50				
80L			+1.7	98.4
50L			+0.2	90.9
44L			2.2	88.5
23L			2.4	88.3
℄			2.4	88.3
8R			4.5	86.2
13R			9.5	81.2
23R			9.6	81.1
28R			9.6	81.1
29R			2.8	87.9
50R			3.4	87.3

55+50		90.73		
67R			6.0	84.7
78R			13.0	77.7
56+00				
87R			14.7	76.0
75R			12.2	78.5
70R			10.5	80.2
58R			10.3	80.4
50R			7.3	83.4
31R			4.4	86.3
23R			4.7	86.0
10R			3.8	86.9
℄			4.6	86.1
23L			4.9	85.8
29L			4.6	86.1
33L			+1.8	92.5
50L			+4.0	94.7
57L			+4.7	95.4
70L			+8.6	99.3
80L			+10.3	101.0
56+50				
90L			+10.9	101.6
50L			+3.5	94.2
23L			0.7	90.0
21L			1.5	89.2
19L			7.1	83.6

56+50	90.73		
℄		6.4	84.3
23R		5.3	85.4
26R		7.6	83.1
43R		9.7	81.0
50R		11.4	79.3
56R		13.7	77.0
81R		15.7	75.0
57+00			
80R		20.6	70.1
75R		18.8	71.9
61R		18.2	72.5
54R		15.4	75.3
50R		15.3	75.4
40R		13.8	76.9
30R		10.7	80.0
23R		8.1	82.6
15R		7.2	73.5
℄		9.2	82.5
9L		8.8	81.9
15L		2.7	88.0
23L		1.0	89.7
50L		+4.7	95.4
80L		+12.4	103.1

57+50	90.73		
80L		+17.3	108.0
50L		+8.7	99.4
23L		+2.1	92.8
8L		1.2	89.5
4L		9.9	80.8
℄		9.5	81.2
23R		8.2	82.5
26R		7.6	83.1
30R		9.3	81.4
50R		13.8	76.9
56R		15.4	75.3
60R		17.6	73.1
69R		18.1	72.6
77R		20.4	70.3
86R		21.4	69.3
58+13			
85R		21.3	69.4
80R		21.0	69.7
77R		18.0	72.7
50R		12.8	77.9
23R		8.6	82.1
℄		10.8	79.9
1L		10.8	79.9
9L		2.1	88.6
23L		+0.7	91.4

58+13		90.73		
50 L			+7.4	98.1
80 L			+16.7	107.4
58+70				
80 L			+21.7	112.4
50 L			+11.7	102.4
23 L			+1.8	92.7
6 L			4.4	86.3
℄			9.6	81.1
3 R			12.2	78.5
2 2 R			11.1	79.6
2 3 R			11.2	79.5
3 2 R			14.5	76.2
50 R			18.2	72.5
70 R			21.2	69.5
85 R			25.6	65.1
T.P.	6.71	96.81 ✓	0.63	90.10 ✓
59+50				
90 R			38.7	58.1
50 R			33.4	63.4
43 R			31.5	65.3
25 R			18.1	78.7
23 R			17.9	78.9
3 R			19.5	77.3
℄			17.2	79.6
23 L			7.1	89.7

			26.0	
59+50		96.81		
50 L			+50	101.8
96 L			+26.0	122.8
T.P.	0.29	84.14 ✓	12.96	83.85 ✓
60+00				
90 L			+39.4	123.5
50 L			+18.9	103.0
23 L			+6.2	90.3
℄			4.1	80.0
3 R			7.3	76.8
23 R			7.3	76.8
28 R			7.3	76.8
45 R			20.6	63.5
50 R			22.0	62.1
68 R			26.4	57.7
95 R			28.7	55.4
60+50				
95 R			28.5	55.6
75 R			26.5	57.6
50 R			21.0	63.1
30 R			7.5	76.6
23 R			7.6	76.5
8 R			8.4	75.7
℄			2.2	81.9
T.P.	3.15	87.00 ✓	0.29	83.85 ✓
23 L			+ 7.0	94.0

60+50		87.00		
50L			+19.9	106.9
90L			+40.3	127.3
T.P.	5.61	89.46	3.15	83.85
61+00				
90L			+39.0	128.5
50L			+22.8	112.3
23L			+ 8.5	98.0
℄			4.7	84.8
8R			8.2	81.3
12R			13.4	76.1
23R			12.7	76.8
34R			12.8	76.7
50R			23.9	65.6
53R			25.8	63.7
85R			33.6	55.9
95R			34.4	55.1
T.P.	6.84	90.69	5.61	83.85
61+40				
95R			32.6	58.1
55R			25.2	65.5
50R			22.7	68.0
39R			14.0	76.7
23R			14.0	76.7
15R			14.5	76.2
14R			11.1	79.6
℄			5.1	85.6

61+40		90.69		
23L			+ 6.5	97.2
50L			+20.0	110.7
90L			+36.5	127.2
T.P.	3.39	87.56	6.52	84.17
61+75				
90L			+31.9	119.5
50L			+13.9	101.5
23L			+ 3.9	91.5
℄			4.9	82.7
17R			10.5	77.1
18R			11.2	76.4
23R			11.0	76.6
45R			10.6	77.0
50R			14.6	73.0
57R			18.8	68.8
100R			26.0	61.6
62+42				
100R			25.0	62.6
66R			19.5	69.1
54R			9.8	77.8
50R			10.0	77.6
27R			10.8	76.8
26R			8.8	78.8
23R			6.0	81.6
20R			3.9	83.7
T.P.	11.77	95.94	3.39	84.17

62+42		95.99		
℄			5.0	90.9
23 L			+6.0	101.9
50 L			+18.4	114.3
90 L			+33.2	129.1
T.P.	11.80	95.97	11.77	84.17
63+00.				
95 L			+28.5	124.5
50 L			+14.3	110.3
23 L			+3.0	99.0
℄			4.9	91.1
23 R			12.2	83.8
25 R			12.7	83.3
33 R			18.7	77.3
50 R			17.9	78.1
59 R			18.0	78.0
66 R			21.7	74.3
100 R			27.0	69.0
63+43				
100 R			25.0	71.0
69 R			20.0	76.0
63 R			17.4	78.6
50 R			17.5	78.5
37 R			18.0	78.0
36 R			17.2	78.8
28 R			13.6	82.4

63+43		95.97		
23 R			12.8	83.2
℄			7.9	88.1
23 L			2.0	94.0
50 L			+5.4	101.4
90 L			+15.5	111.5
64+00				
90 L			+26.0	122.0
50 L			+12.0	108.0
23 L			+3.1	99.1
℄			4.2	91.8
23 R			11.0	85.0
33 R			13.6	82.4
38 R			17.2	78.8
50 R			17.0	79.0
65 R			16.9	79.1
71 R			21.0	75.0
100 R			24.6	71.4
64+50				
100 R			24.6	71.4
75 R			22.0	74.0
66 R			16.1	79.9
50 R			16.5	79.5
42 R			16.8	79.2
41 R			13.7	82.3
23 R			9.2	86.8

64+50		95.97			
℄			0.7	95.3	
T.P.	6.85	99.96 ✓	2.86	93.11 ✓	
23L			+4.0	104.0	
50L			+15.4	115.4	
95L			+31.8	131.8	
T.P.	6.77	99.88 ✓	6.85	93.11 ✓	
65+00					
95L			+28.6	128.5	
50L			+14.1	114.0	
23L			+4.4	104.3	
℄			4.5	95.4	
23R			12.6	87.3	
40R			16.9	83.0	
45R			19.6	80.3	
50R			19.2	80.7	
73R			18.4	81.5	
81R			23.1	76.8	
100R			25.2	74.7	
65+50					
100R			20.6	79.3	
76R			17.0	82.9	
50R			18.7	81.2	
42R			12.5	87.4	
23R			9.4	90.5	
℄			4.3	95.6	

65+50		99.88			
23L			+1.8	101.7	
50L			+10.0	109.9	
90L			+21.6	121.5	
66+00					
90L			+17.6	117.5	
50L			+8.6	108.5	
23L			+2.7	102.6	
℄			2.2	97.7	
23R			6.8	93.1	
45R			10.7	89.2	
T.P.	0.81	90.22 ✓	10.47	89.41 ✓	
50R			5.1	85.1	
53R			8.0	82.2	
82R			6.1	84.1	
100R			9.2	81.0	
T.P.	5.15	84.14 ✓	11.23	78.99 ✓	
BM #4	12.34	88.67 ✓	7.89	76.25 ✓	76.33
66+50					
100R			4.7	84.0	
86R			3.4	85.3	
72R			3.9	84.8	
57R			5.3	83.4	
TP	12.17	100.75 ✓	0.09	88.58 ✓	

66 +50	100.75			
52R		10.2	90.6	
50R		9.6	91.2	
23R		5.8	95.0	
℄		2.8	98.0	
23L		+1.0	101.8	
50L		+6.6	107.4	
87L		+13.0	113.8	
67+00				
90L		+16.0	116.8	
50L		+9.6	110.4	
23L		+4.8	105.6	
℄		+0.1	100.9	
23R		3.4	97.4	
50R		7.4	93.4	
52R		7.9	92.9	
58R		13.5	87.3	
59R		16.3	84.5	
75R		14.6	86.2	
89R		14.2	86.6	
100R		15.5	85.3	

67+50	100.75			
100R		15.0	85.8	
86R		13.6	87.2	
58R		15.1	85.7	
52R		6.8	94.0	
50R		6.4	94.4	
23R		1.5	99.3	
℄		+2.9	103.7	
23L		+7.4	108.2	
50L		+13.0	113.8	
90L		+22.5	123.3	
67+87.24 B.C. L L				
90L		+22.2	123.0	
50L		+13.2	114.0	
23L		+6.9	107.7	
℄		+1.9	102.7	
23R		3.1	97.7	
44R		6.3	94.5	
48R		14.0	86.8	
50R		14.0	86.8	
84R		12.3	88.5	
100R		15.2	85.6	
T.P.	6.18	101.84 ✓	5.09	95.66 ✓

68+37	101.84			
100R			21.6	80.2
70R			17.3	84.7
54R			11.8	90.0
50R			12.2	89.6
29R			13.6	88.2
23R			8.7	93.1
22R			7.0	94.8
℄			2.7	99.1
23L			+2.0	103.8
50L			+9.3	111.1
90L			+21.0	122.8
69+03.96	c.of curve			
90L			+37.2	139.0
50L			+17.5	119.3
23L			+4.5	106.3
℄			4.7	97.1
6R			8.1	93.7
11R			11.8	90.0
23R			11.2	90.6
32R			11.0	90.8
41R			17.6	84.2
50R			19.8	82.0
100R			26.0	75.8

69+54	101.84			
100R			29.5	72.3
50R			23.9	77.9
34R			18.5	83.3
23R			10.3	91.5
3R			10.4	91.4
℄			7.3	94.5
4L			3.8	98.0
23L			+4.7	106.5
50L			+17.4	119.2
95L			+37.4	139.2
70+20.68	E.C.			
95L			+35.0	136.8
50L			+18.5	120.3
23L			+9.2	111.0
6L			3.1	98.7
2L			9.2	92.6
℄			9.0	92.8
18R			8.5	93.3
23R			12.4	89.4
32R			18.8	83.0
50R			24.6	77.2
58R			26.3	75.5
100R			30.0	71.8
TR	6.29	100.27 ✓	7.86	93.98 ✓

71+00		100.27		
100R			22.0	78.3
64R			18.6	81.7
50R			16.5	83.8
27R			12.0	88.3
23R			9.1	91.2
18R			5.2	95.1
℄			5.1	95.2
5L			5.4	94.9
6L			3.8	96.5
12L			+0.6	100.9
23L			+5.0	105.3
50L			+16.0	116.3
90L			+36.4	136.7
T.P.	2.92	100.82 ✓	2.37	97.90 ✓
71+50				
95L			+34.6	135.4
50L			+14.3	115.1
23L			+4.0	104.8
9L			0.6	100.2
2L			3.5	97.3
℄			5.2	95.6
8R			4.5	96.3
23R			4.4	96.4
27R			4.6	96.2
33R			8.0	92.8

71+50		100.82		
50R			10.5	90.3
90R			16.2	84.6
72+00				
90R			12.6	88.2
57R			6.2	94.6
50R			4.8	96.0
46R			4.0	96.8
43R			2.2	98.6
23R			2.9	97.9
13R			3.2	97.6
11R			0.2	98.6
T.P.	10.27	108.19 ✓	2.92	97.90 ✓
℄			5.1	103.1
23L			+0.4	108.6
50L			+8.3	116.5
95L			+25.1	133.3
T.P.	8.31	115.91 ✓	0.59	107.60 ✓
72+50				
95L			+20.8	136.7
50L			+5.2	121.1
23L			1.3	114.6
℄			5.0	110.9
23R			9.5	106.4
24R			9.9	106.0
29R			17.2	98.7

72+50		115.91		
50R			16.0	99.9
61R			14.9	101.0
71R			18.6	97.3
90R			22.1	93.8
100R			23.8	92.1
73+19[17] B.C. L R				
100R			20.9	95.0
81R			17.8	98.1
72R			13.9	92.0
50R			14.8	101.1
41R			15.2	100.7
35R			9.2	106.7
23R			4.8	111.1
℄			1.6	114.3
23L			+3.4	119.3
50L			+9.4	125.3
95L			+20.9	136.8
73+69[18]				
90L			+25.5	141.4
70L			+15.7	131.6
50L			+10.7	126.6
23L			+4.5	120.4
℄			1.3	114.6
25R			6.4	109.5
27R			7.4	108.5

73+69[18]		115.91		
35R			15.1	100.8
50R			14.2	101.7
64R			13.0	102.9
70R			16.3	99.6
100R			22.8	93.1
74+19[19]				
100R			26.8	89.1
56R			17.5	98.4
50R			15.3	100.6
48R			13.3	102.6
23R			14.3	101.6
T.P.	6.42	115.10 ✓	7.23	108.68 ✓
17R			9.2	105.9
℄			4.9	110.2
23L			+3.2	118.3
35L			+9.1	124.2
50L			+15.8	130.9
90L			+43.7	158.8
TP	6.80	115.48 ✓	6.42	108.68 ✓
74+69[19]				
95L			+53.0	168.5
87L			+47.0	162.5
50L			+21.9	137.4
23L			+6.7	122.2
℄			4.9	110.6

74+69 19		115.48		
12 R			12.5	103.0
23 R			12.1	103.4
36 R			12.2	103.3
43 R			17.3	98.2
50 R			19.2	96.3
100 R			27.0	88.5
75+19 20				
100 R			28.0	87.5
50 R			21.0	94.5
44 R			19.4	96.1
32 R			10.9	104.6
23 R			11.2	104.3
10 R			11.1	104.4
8 R			7.2	108.3
4 R			4.0	111.5
℄			2.5	113.0
T.P.	9.22	117.90	6.80	108.68
4 L			1.7	116.2
23 L			+9.4	126.3
50 L			+25.7	143.6
87 L			+48.6	166.5
95 L			+54.2	172.1
T.P.	5.84	122.30	1.94	116.46

75+69 23		122.30		
90 L			+42.6	164.9
50 L			+21.5	143.8
23 L			+7.3	129.6
℄			4.1	118.2
5 R			7.2	115.1
10 R			16.7	105.6
23 R			16.4	105.9
33 R			16.0	106.3
45 R			23.6	98.7
50 R			24.9	97.4
65 R			30.0	92.3
95 R			35.0	87.3
T.P.	10.83	127.29	5.84	116.46
76+19 23				
96 R			34.1	93.2
61 R			28.5	98.8
50 R			26.3	101.0
46 R			24.7	102.6
39 R			20.9	106.4
31 R			19.8	107.5
93 R			21.5	105.8
15 R			20.6	106.7
℄			12.0	115.3
2 L			6.7	120.6

76+19 23		127.29		
23 L			+0.3	127.6
50 L			+12.4	139.7
104 L			+31.2	158.5
T.P.	0.16	114.70 ✓	12.75	114.54 ✓
76+49				
80 L			+17.6	132.3
68 L			+18.2	132.9
50 L			+16.2	130.9
48 L			+16.2	130.9
23 L			+9.8	124.7
8 L			+4.6	119.3
℄			9.4	105.3
23 R			9.0	105.7
31 R			8.9	105.8
50 R			12.1	102.6
90 R			18.0	96.7
T.P.	0.96	115.50 ✓	0.16	114.54 ✓
76+69 29				
97 R			20.6	94.9
90 R			18.0	97.5
70 R			14.4	101.1
50 R			13.2	102.3
30 R			12.1	103.4
25 R			10.4	105.1
29 R			10.4	105.1

76+69 29	115.50		
℄		10.8	104.7
3 L		10.7	104.8
8 L		+0.1	116.2
23 L		+2.6	118.1
50 L		+11.3	126.8
56 L		+11.5	127.0
90 L		+9.4	124.9
77+04			
90 L		7.1	108.4
50 L		9.7	105.8
23 L		7.6	107.9
11 L		11.0	104.5
℄		10.8	104.7
16 R		10.9	104.6
23 R		14.1	101.4
37 R		21.4	94.1
50 R		24.4	91.1
67 R		28.0	87.5
83 R		27.6	87.9
90 R		29.9	85.6

77+34	115.50		
95 R		46.0	69.5
50 R		37.0	78.5
30 R		26.6	88.9
23 R		21.0	94.5
7 R		9.6	105.9
℄		11.0	104.5
17 L		10.5	105.0
28 L		15.5	100.0
29 L		19.6	95.9
40 L		12.4	103.1
50 L		10.6	104.9
69 L		9.2	106.3
90 L		2.0	113.5
77+69.25			
90 L		+6.9	122.4
50 L		7.1	108.4
34 L		12.8	102.7
25 L		12.8	102.7
23 L		12.0	103.5
20 L		10.4	105.1
℄		10.5	105.0
23 R		23.8	91.7
50 R		34.6	80.9
100 R		45.4	70.1

78+19.29	115.50		
100 R		47.6	67.9
60 R		24.2	91.3
50 R		20.0	95.5
23 R		12.5	103.0
13 R		11.2	104.3
9 R		9.7	105.8
℄		9.7	105.8
16 L		10.1	105.4
23 L		2.3	113.2
26 L		+1.2	116.7
50 L		+10.8	126.3
90 L		+26.4	141.9
78+69.29			
90 L		+26.2	141.7
50 L		+10.2	125.7
30 L		+3.2	118.7
23 L		1.3	114.2
14 L		8.8	106.7
℄		7.9	107.6
8 R		7.9	107.6
10 R		10.2	105.3
23 R		15.0	100.5
33 R		18.6	96.9
50 R		28.3	87.2
90 R		48.3	67.2
110 R		52.3	63.2

79+19 29		115.50	29 13 16 6	
110 R			52.3	63.2
90 R			48.7	66.8
50 R			26.5	89.0
33 R			16.0	99.5
23 R			13.3	102.2
11 R			9.3	106.2
8 R			6.9	108.6
℄			6.4	109.1
13 L			7.3	108.2
19 L			2.2	113.3
23 L			0.0	115.5
T.P	4.18	113.77 ✓	5.86	109.64 ✓
30 L			+6.4	120.2
50 L			+12.7	126.5
90 L			+27.8	141.6
79+69 32				
90 L			+30.2	144.0
50 L			+13.0	126.8
23 L			+3.3	117.1
14 L			3.9	109.9
℄			3.3	110.5
9 R			3.3	110.5
14 R			7.0	106.8
23 R			9.0	104.8
32 R			12.3	101.5

79+69 32		113.77		
50 R			22.6	91.2
95 R			47.1	66.7
101 R			49.5	64.3
116 R			51.6	62.2
T.P.	6.86	116.50 ✓	4.13	109.64 ✓
80+19 34				
135 R			53.0	63.5
95 R			45.7	70.8
60 R			26.2	90.3
33 R			13.7	102.8
23 R			10.6	105.9
18 R			9.0	107.5
13 R			5.2	111.3
℄			5.0	111.5
13 L			6.0	110.5
23 L			+0.7	117.2
50 L			+10.2	126.7
85 L			+24.3	140.8
T.P.	8.74	118.38 ✓	6.86	109.64 ✓

80+69 34	118.38		
100L		+22.0	140.4
50L		+7.1	125.5
23L		+0.8	119.2
15L		1.2	117.2
8L		7.2	111.2
℄		6.6	111.8
16R		5.9	112.5
21R		8.9	109.5
23R		10.1	108.3
50R		15.4	103.0
55R		16.4	102.0
95R		38.6	79.8
81+19 35			
100R		35.4	83.0
69R		17.2	101.2
50R		11.9	106.5
34R		8.9	109.5
28R		6.1	112.3
23R		5.6	113.4
℄		6.0	112.4
5L		6.2	112.2
13L		+0.8	119.2
29L		+3.1	121.5
50L		+8.9	127.1
90L		+15.3	133.7

81+69 35	118.38		
100L		+20.0	138.4
50L		+8.9	127.3
23L		+2.6	121.0
13L		+0.6	119.0
5L		6.0	112.4
℄		5.8	112.6
23R		5.2	113.2
31R		9.5	108.9
50R		13.1	105.3
68R		17.5	100.9
90R		26.3	92.1
100R		34.0	84.4
82+19 36			
100R		31.4	87.0
50R		14.7	103.7
32R		9.7	108.7
25R		7.6	110.8
23R		6.2	112.2
21R		5.0	113.4
℄		5.6	112.8
6L		5.9	112.5
13L		0.4	118.0
23L		+2.0	120.4
50L		+7.6	126.0
90L		+13.8	132.2

		118.38		
T.P.	2.63	118.25	2.76	115.62
82+69 35				
90L			+11.3	129.6
50L			+3.4	121.7
23L			0.4	117.9
15L			1.5	116.8
10L			5.9	112.4
℄			5.2	113.1
17R			4.6	113.7
23R			7.7	110.6
50R			12.9	105.4
80R			18.3	100.0
83+19 42				
85R			20.8	97.5
70R			16.9	101.4
50R			13.0	105.3
23R			9.1	109.2
16R			7.5	110.8
12R			4.7	113.6
℄			4.8	113.5
14L			5.6	112.7
19L			3.0	115.3
23L			2.3	116.0
50L			+2.0	120.3
90L			+10.0	128.3

83+69 42		118.25		
90L			+10.2	128.5
50L			+2.6	120.9
26L			1.8	116.5
23L			3.8	114.5
19L			5.4	112.9
℄			4.6	113.7
7R			4.7	113.6
11R			7.2	111.1
23R			10.1	108.2
50R			14.6	103.7
80R			20.6	97.7
84+19 29				
90R			25.3	93.0
50R			17.5	100.8
23R			11.8	106.5
5R			8.0	110.3
℄			4.7	113.6
23L			5.2	113.1
25L			5.2	113.1
30L			1.7	116.6
50L			+1.7	120.0
90L			+8.9	127.2

84+69 99		118.25			
90L			+8.7	127.0	
50L			+2.1	120.4	
34L			0.8	117.5	
28L			4.3	114.0	
23L			4.6	113.7	
4L			4.3	114.0	
℄			7.3	111.0	
6R			9.2	109.1	
23R			13.1	105.2	
50R			18.5	99.8	
90R			27.0	91.3	
T.P.	0.00	105.35	12.90	105.35	
BM#5	13.23	105.38	13.23	92.12	92.15
84+97 57		P.C.C.	L R		
90R			14.3	91.1	
50R			5.8	99.6	
23R			0.0	105.4	
T.P.	12.88	117.78	0.48	104.90	
℄			7.1	110.7	
6L			2.5	115.3	
23L			3.8	114.0	
29L			4.2	113.6	
32L			0.2	117.6	
50L			+3.9	121.7	
90L			+11.3	129.1	

85+47 58	117.78			
90L		+12.5	130.3	
50L		+4.7	122.5	
35L		+1.0	118.8	
32L		3.9	113.9	
23L		3.3	114.5	
11L		2.8	115.0	
8L		4.5	113.3	
℄		7.2	110.6	
23R		12.0	105.8	
50R		17.0	100.8	
90R		25.7	92.1	
85+97 61				
90R		23.2	94.6	
50R		17.2	100.6	
23R		13.0	104.8	
℄		9.9	108.9	
10L		6.8	111.0	
17L		2.9	114.9	
23L		2.8	115.0	
45L		3.6	114.2	
50L		+0.8	118.6	
70L		+5.1	122.9	

86+47 62		117.78		
70 L			+3.0	120.8
67 L			+1.7	119.5
61 L			1.7	116.1
50 L			3.4	114.4
23 L			3.0	114.8
17 L			7.1	110.7
℄			10.6	107.2
23 R			13.0	104.8
50 R			17.0	100.8
90 R			21.6	96.2
86+97 63				
90 R			23.1	94.7
50 R			17.0	100.8
23 R			13.0	104.8
℄			9.5	108.3
13 L			7.2	110.6
T.P.	5.69	120.61 ✓	2.86	114.92 ✓
23 L			6.1	114.5
28 L			4.8	115.8
50 L			5.6	115.0
56 L			6.1	114.5
63 L			2.1	118.5
75 L			0.7	119.9

87+47 64		120.61		
75 L			+0.5	121.1
65 L			0.7	119.9
60 L			6.0	114.6
50 L			5.4	115.2
31 L			5.3	115.3
25 L			8.0	112.6
23 L			8.5	112.1
6 L			10.3	110.3
℄			11.4	109.2
23 R			14.4	106.2
50 R			17.4	103.2
90 R			23.2	97.4
87+97 66				
90 R			22.3	98.3
50 R			17.9	102.7
23 R			15.4	105.2
℄			11.3	109.3
23 L			6.5	114.1
35 L			4.4	116.2
36 L			5.1	115.5
50 L			5.3	115.3
61 L			5.7	114.9
67 L			1.0	119.6
75 L			0.0	120.6

88+47.68		120.61		
75L			0.8	119.8
67L			5.2	115.4
50L			5.1	115.5
43L			4.5	116.1
23L			8.7	111.9
℄			11.8	108.8
23R			14.7	105.9
50R			17.9	102.7
80R			23.0	97.6
88+97.69				
80R			22.2	98.4
70R			19.9	100.7
50R			18.0	102.6
23R			14.9	105.7
℄			12.5	108.1
23L			9.7	110.9
43L			5.3	115.3
50L			5.0	115.6
75L			4.9	115.7
TP	8.63	124.44 ✓	4.80	115.81 ✓

89+47.20		124.44		
80L			8.3	116.1
50L			9.0	115.4
45L			11.4	113.0
23L			14.0	110.4
℄			15.0	109.4
23R			17.4	107.0
50R			20.1	104.3
90R			24.4	100.0
89+97.21				
90R			23.1	101.3
50R			18.7	105.7
23R			15.8	108.6
℄			13.7	110.7
23L			11.7	112.7
39L			10.0	114.4
42L			8.3	116.1
50L			7.8	116.6
75L			6.9	117.5
90+47.23				
75L			2.7	121.7
72L			2.9	121.5
69L			3.9	120.5
57L			6.8	117.6
50L			6.6	117.8
35L			6.6	117.8

90+47.23	124.44			
29L		8.9	115.5	
23L		9.8	114.6	
℄		12.6	111.8	
23R		14.7	109.7	
50R		18.1	106.3	
90R		22.4	102.0	
90+97.24				
90R		22.6	101.8	
50R		19.0	106.4	
23R		15.0	109.4	
℄		13.3	111.1	
16L		9.7	114.7	
23L		6.4	118.0	
50L		7.3	117.1	
53L		7.3	117.1	
54L		5.7	118.7	
58L		4.9	119.5	
60L		3.2	121.2	
75L		1.8	122.6	

91+47.25	124.44			
75L		+2.8	127.2	
50L		2.4	122.0	
45L		3.9	120.5	
40L		7.5	116.9	
23L		6.8	117.6	
14L		7.0	117.4	
8L		10.5	113.9	
℄		12.7	111.7	
23R		14.8	109.6	
50R		17.6	106.8	
90R		22.6	101.8	
91+97.26				
90R		24.6	99.8	
50R		20.5	103.9	
23R		16.2	108.2	
℄		11.0	113.4	
6L		6.9	117.5	
23L		7.1	117.3	
31L		7.4	117.0	
31L		6.1	118.3	
36L		2.8	121.6	
50L		+2.1	126.5	
95L		+17.7	142.1	

92+47.28		124.44		
95L			+24.2	148.6
50L			+5.2	129.6
38L			+0.4	124.8
23L			6.8	117.6
℄			7.4	117.0
10R			13.3	111.1
23R			16.0	108.4
50R			21.2	103.2
90R			25.2	99.2
92+97.80				
100R			28.5	95.9
50R			21.9	102.5
23R			14.4	110.0
11R			7.4	117.0
℄			7.1	117.3
T.P.	8.18	125.36✓	7.26	117.18✓
10L			7.9	117.5
11L			5.6	119.8
20L			+0.9	126.3
23L			+1.0	126.4
50L			+11.3	136.7
90L			+29.4	154.8

93+47.81		125.36		
90L			+38.8	164.2
50L			+20.5	145.9
23L			+8.3	133.7
2L			1.7	123.7
℄			3.2	122.2
3R			7.5	117.9
23R			7.9	117.5
46R			22.4	103.0
50R			23.6	101.8
90R			31.9	93.5
93+97.82				
95R			32.4	93.0
60R			25.0	100.4
50R			17.4	108.0
35R			7.6	117.8
23R			7.9	117.5
16R			7.5	117.9
14R			4.0	121.4
T.P.	12.72	134.97✓	3.11	122.25✓
℄			4.4	130.6
23L			+8.7	143.7
50L			+21.8	156.8
85L			+39.3	174.3
100L			+46.1	181.1
T.P.	8.12	139.63✓	3.46	131.51✓

94+47.84		139.63		
92L			+55.6	195.2
83L			+50.8	190.4
50L			+30.0	169.6
23L			+ 9.6	149.2
℄			4.3	135.3
18R			13.0	126.6
22R			20.0	119.6
23R			23.1	116.5
45R			21.6	118.0
50R			25.0	114.6
70R			36.0	103.6
90R			41.5	98.1
100R			44.0	95.6
* T.P.	12.45	143.96	8.12	131.51
94+97.85				
101R			47.1	96.9
92R			44.1	99.3
65R			37.6	106.4
50R			27.5	116.5
47R			25.4	118.6
25R			25.5	118.5
23R			22.1	121.9
8R			8.6	136.0
℄			4.1	139.9

94+97.85		143.96		
23L			+11.1	155.1
50L			+30.2	174.2
82L			+52.2	196.2
98L			+62.5	206.5
T.P.	12.53	144.04	12.45	131.51
95+47.86				
103L			+62.7	206.7
87L			+51.6	195.6
50L			+26.0	170.0
23L			+ 8.8	152.8
℄			4.5	139.5
5R			9.1	134.9
18R			24.3	119.7
23R			23.5	120.3
49R			23.0	121.0
50R			24.3	119.7
80R			40.1	103.9
94R			42.9	101.1
103R			44.1	99.3

95+97.87		144.04		135.2 / 138
100R			42.9	101.1
53R			34.3	109.7
50R			33.5	110.5
36R			26.0	118.0
23R			26.0	118.0
12R			26.3	117.7
12R			25.0	119.0
℄			17.7	126.3
11L			7.5	136.5
23L			1.6	142.4
50L			+13.8	157.8
80L			+31.9	175.9
90L			+38.6	182.6
96+47.88				
95L			+17.7	161.7
50L			4.2	139.8
23L			15.5	128.5
T.P.	0.50	132.65 ✓	11.89	132.15 ✓
19L			6.0	126.7
9L			14.2	118.5
℄			14.2	118.5 / ~~128.5~~
17R			13.8	118.9
23R			18.0	114.7
32R			21.0	111.7
50R			23.8	108.9
90R			28.8	103.9

96+97.90		132.65		
90R			27.8	104.9
50R			24.2	108.5
23R			21.0	111.7
5R			17.7	115.0
℄			16.2	116.5
4L			13.6	119.1
23L			13.8	118.9
35L			14.4	118.3
45L			7.3	125.4
50L			6.2	126.5
80L			+1.4	134.1
97+47.71				
80L			12.6	120.1
60L			14.2	118.5
50L			13.8	118.9
33L			14.0	118.7
T.P.	0.35	120.98 ✓	12.02	120.63 ✓
23L			5.4	115.6
℄			7.6	113.4
23R			9.8	111.2
50R			12.5	108.5
80R			14.9	106.1

97 + 97 93	12098		
80R		16.5	104.5
50R		14.8	106.2
23R		12.9	108.1
℄		16.3	104.7
12L		21.0	100.0
23L		17.7	103.3
37L		16.0	105.0
50L		12.8	108.2
62L		3.0	118.0
70L		2.3	118.7
98 + 23			
70L		2.4	118.6
53L		2.0	119.00
50L		2.7	118.3
40L		8.6	112.4
23L		10.8	110.2
℄		13.5	107.5
19R		16.0	105.0
23R		24.0	97.0
50R		26.0	95.0
90R		29.7	91.3

98 + 47 24	120.98		
90R		17.3	103.7
50R		14.5	106.5
23R		12.8	108.2
℄		11.3	109.7
23L		9.3	111.7
34L		8.1	112.9
46L		1.8	119.2
50L		2.2	118.8
70L		2.2	118.8
98 + 97 96			
70L		0.0	121.0
68L		2.9	118.1
50L		2.0	119.0
39L		1.8	119.2
30L		7.0	114.0
23L		8.6	112.4
℄		11.5	109.5
23R		13.3	107.7
50R		15.3	105.7
90R		17.4	103.6

99 + 47 97		120.98		
90 R			18.5	102.5
50 R			15.3	105.7
23 R			12.4	108.6
℄			9.8	111.2
23 L			6.0	115.0
26 L			5.5	115.5
32 L			1.9	119.1
50 L			2.7	118.3
58 L			2.7	118.3
58 L			1.7	119.3
75 L			+1.0	122.0
T.P.	3.98	124.84	0.12	120.86
99 + 97 98				
80 L			+6.6	131.4
42 L			0.8	124.0
50 L			3.1	121.7
48 L			5.8	119.0
23 L			4.7	120.1
16 L			7.7	117.1
℄			11.2	113.6
23 R			15.9	108.9
50 R			19.0	105.8
90 R			23.8	101.0

100 + 47 90		124.84		
90 R			26.3	98.5
50 R			22.0	102.8
23 R			18.0	106.8
℄			13.3	111.5
8 L			11.3	113.5
19 L			5.0	119.8
23 L			5.1	119.7
44 L			5.6	119.2
50 L			2.0	122.8
75 L			+4.8	129.6
100 + 97 01				
70 L			+10.3	135.1
35 L			+5.5	130.3
50 L			+2.4	127.2
45 L			1.0	123.8
42 L			5.4	119.4
23 L			5.0	119.8
17 L			5.0	119.8
℄			13.8	111.0
23 R			20.6	104.2
50 R			25.0	99.8
90 R			29.2	95.6

101+47.03	124.84			
90 R		32.3	92.5	
50 R		28.3	96.5	
30 R		23.3	101.5	
23 R		20.7	104.1	
℄		10.5	114.3	
8 L		4.5	120.3	
23 L		4.7	120.1	
30 L		5.1	119.7	
31 L		1.3	123.5	
50 L		+7.0	131.8	
53 L		+8.5	133.3	
80 L		+21.4	146.2	
101+65.91	E.C.			
80 L		+21.0	145.8	
50 L		+9.2	134.0	
33 L		+3.8	128.6	
30 L		2.0	122.8	
30 L		4.7	120.1	
23 L		4.6	120.2	
7 L		4.4	120.4	
℄		10.0	114.8	
23 R		20.4	104.4	
42 R		27.0	97.8	
50 R		28.8	96.0	
90 R		32.4	92.4	

102+50.00	124.84			
90 R		35.4	89.4	
60 R		31.9	92.9	
50 R		27.8	97.0	
23 R		17.8	107.0	
℄		7.3	117.5	
5 L		4.1	120.7	
23 L		3.8	121.0	
23 L		1.2	123.6	
T.P	5.25	127.68	2.41	122.43
37 L			+6.6	134.3
50 L			+11.6	139.3
90 L			+32.7	160.4
103+00				
90 L			+33.4	161.1
50 L			+11.0	138.7
42 L			+6.3	134.0
23 L			1.6	126.1
18 L			4.0	123.7
17 L			6.4	121.3
℄			7.0	120.7
12 R			15.1	112.6
23 R			20.0	107.7
50 R			29.6	98.1
69 R			35.5	92.2
90 R			37.8	89.9

127.68

103+40 34	B.F.	A	L
100R		37.4	90.3
74R		35.2	92.5
50R		28.4	99.3
23R		17.5	110.2
3R		6.0	121.7
℄		6.1	121.6
17L		5.7	122.0
23L		+1.9	129.1
34L		+7.6	135.3
50L		+13.5	141.2
95L		+36.5	164.2
103+90 35			
95L		+40.6	168.3
50L		+18.8	146.5
23L		+5.4	133.1
10L		5.4	122.3
℄		5.7	122.0
8R		5.4	122.3
23R		15.8	111.9
50R		27.7	100.0
74R		34.5	93.5
105R		36.0	91.7

104+40 36	127.68		
95R		33.6	94.1
63R		32.3	95.4
54R		24.8	102.9
50R		23.0	104.7
23R		8.6	119.1
17R		5.2	122.5
℄		5.3	122.4
1L		4.0	123.7
23L		+8.2	136.9
50L		+23.0	150.7
73L		+34.8	162.5
85L		+37.8	165.5
104+90 37			
90L		+37.1	164.8
76L		+32.9	160.6
50L		+27.4	155.1
23L		+17.8	145.5
12L		+12.6	140.3
℄		+7.3	135.0
10R		4.3	123.4
23R		4.1	123.6
25R		4.0	123.7
50R		19.6	107.1
73R		28.6	99.1
100R		31.0	96.7

105+40 3.8		127.68		
100R			28.0	99.7
65R			22.4	105.3
50R			16.5	111.2
39R			2.7	125.0
23R			3.1	124.6
13R			3.5	124.2
℄			+9.0	136.7
23L			+21.2	148.9
50L			+30.0	157.7
75L			+31.0	158.7
105+90 39				
80L			+25.2	152.7
50L			+22.4	150.1
23L			+14.3	142.0
7L			+7.0	134.7
℄			0.7	127.0
2R			3.6	124.1
20R			2.3	125.4
23R			4.1	123.6
50R			17.0	110.7
75R			19.8	107.9
90R			23.1	104.6
100R			21.2	106.5
T.R	2.38	127.07 ✓	2.99	124.69 ✓

106+90 40		127.07		
90R			19.2	107.9
70R			19.4	107.7
60R			22.3	104.8
50R			16.1	111.0
39R			20.1	107.0
29R			15.8	111.3
23R			14.7	112.4
℄			10.6	116.5
13L			2.9	124.2
23L			4.2	122.9
44L			5.5	121.6
50L			3.8	123.3
70L			5.0	122.1
106+90 41				
75L			7.5	119.6
70L			9.8	117.3
50L			11.9	115.2
23L			13.6	113.5
℄			16.2	110.9
23R			14.5	112.6
34R			16.5	110.6
50R			17.2	109.9
75R			18.5	108.6
T.P	0.09	115.55 ✓	11.61	115.46 ✓
BM# 76.95		114.65 ✓	7.88	107.67 ✓ 107.70

107+40 42	114.65		
70 R		6.0	108.7
50 R		5.0	109.7
23 R		3.2	111.5
℄		1.8	112.7
23 L		0.3	114.4
50 L		+1.1	115.8
70 L		+2.0	116.7
107+90 43			
70 L		0.4	114.3
50 L		1.0	113.7
23 L		2.0	112.7
℄		3.4	111.3
23 R		3.3	111.4
50 R		6.4	108.3
70 R		7.5	107.2
108+40 44			
70 R		8.6	106.1
50 R		7.5	107.2
23 R		6.2	108.5
℄		5.4	109.3
23 L		4.7	110.0
50 L		3.8	110.9
70 L		4.2	110.5

108+90 45	114.65		
70 L		4.7	110.0
50 L		6.5	108.2
23 L		7.3	107.4
℄		7.7	106.8
23 R		8.8	105.9
50 R		9.7	105.0
70 R		10.0	104.7
109+40 46			
70 R		12.0	102.7
50 R		11.5	103.2
23 R		10.8	103.9
℄		9.7	105.0
23 L		8.3	106.4
50 L		6.4	108.3
70 L		5.0	109.7
109+90 47			
70 L		5.4	109.3
50 L		6.8	107.9
23 L		8.7	106.0
℄		10.3	104.4
23 R		11.6	103.1
50 R		13.7	101.0
70 R		13.8	100.9

110+40 48	114.65			
70R			15.5	99.2
50R			14.2	100.5
23R			12.5	102.2
℄			11.1	103.6
23L			9.8	104.9
50L			8.0	106.7
70L			6.2	108.5
110+90 49				
70L			7.7	107.0
50L			9.4	105.3
23L			11.4	103.3
℄			13.0	101.7
23R			14.4	100.3
50R			15.4	99.3
70R			16.8	97.9
111+40 50				
70R			18.7	96.0
50R			18.0	96.7
23R			16.2	98.5
℄			14.8	99.9
23L			12.9	101.8
50L			10.7	104.0
70L			8.8	105.9
T.P.	1.05	103.02✓	12.68	101.97✓

111+90 51	103.02			
70L			+1.0	104.0
50L			1.6	101.4
23L			3.0	100.0
℄			4.9	98.1
23R			6.3	96.7
50R			7.9	95.1
70R			9.0	94.0
112+40 52				
70R			12.3	90.7
50R			10.2	92.8
23R			8.2	94.8
℄			6.7	96.3
23L			4.9	98.1
50L			2.9	100.1
70L			1.8	101.2
112+90 53				
70L			3.8	99.2
50L			5.2	97.8
23L			7.0	96.0
℄			8.6	94.4
23R			10.3	92.7
50R			12.4	90.6
70R			13.6	89.4

113+40 54	103.02			
70R			16.3	86.7
50R			14.3	88.7
23R			12.5	90.5
℄			10.6	92.4
23L			8.9	94.1
50L			7.4	95.6
70L			6.0	97.0
113+87 54	E.C.			
70L			7.5	95.5
50L			8.7	94.3
23L			10.5	92.5
℄			12.2	90.8
23R			14.2	88.8
50R			16.5	86.5
70R			17.4	85.6
114+50				
70R			16.7	86.3
50R			16.6	86.4
23R			15.6	87.4
℄			13.8	89.2
23L			12.2	90.8
50L			10.8	92.2
70L			9.8	93.2

115+00 00	103.02			
70L			9.2	93.8
50L			10.3	92.7
23L			12.0	91.0
℄			13.7	89.3
23R			15.0	88.0
50R			16.1	86.9
70R			16.3	86.7
116+00 00				
70R			14.6	88.4
50R			14.2	88.8
23R			13.2	89.8
℄			12.0	91.0
23L			10.8	92.2
50L			8.9	94.1
70L			7.8	95.2
117+00 00				
70L			4.2	98.8
50L			5.6	97.4
23L			7.5	95.5
℄			9.0	94.0
23R			10.2	92.8
50R			11.7	91.3
70R			13.0	90.0
T.P.	13.09	103.96	12.15	90.87

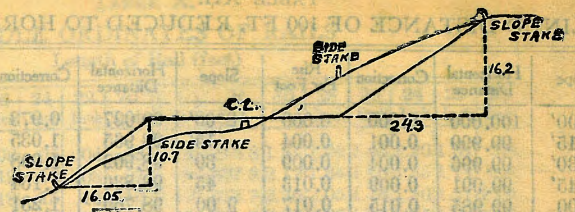
117+53.00		10396			
64R	Row.		13.0	91.0	
60R			12.2	91.8	
50R			12.1	91.9	
23R			10.7	93.3	
℄			9.6	94.4	
23L			8.1	95.9	
50L			5.9	98.1	
70L			4.1	99.9	
118+00.00					
70L			3.2	100.8	
50L			5.0	99.0	
23L			6.9	97.1	
℄			8.7	95.3	
23R			10.2	93.8	
50R			11.2	92.8	
63R	Row.		11.7	92.3	
119+00.00					
58R	Row.		8.7	95.3	
55R			7.8	96.2	
50R			7.8	96.2	
23R			6.6	97.4	
℄			4.7	99.3	
23L			3.0	101.0	
50L			1.0	103.0	
70L			+0.5	104.5	

119+50.00		10396			
70L			+1.5	105.5	
50L			0.0	104.0	
23L			1.9	102.1	
℄			3.7	100.3	
23R			5.8	98.2	
50R			7.0	97.0	
53R			7.0	97.0	
56R	Row.		8.0	96.0	
120+00.00					
55R	Row.		7.6	96.4	
52R			6.5	97.5	
50R			6.5	97.5	
23R			5.1	98.9	
℄			3.0	101.0	
23L			1.0	103.0	
50L			+2.0	106.0	
70L			+3.6	107.6	
120+30.00					
70L			+3.6	107.6	
50L			+1.7	105.7	
23L			0.8	103.2	
℄			3.0	101.0	
23R			4.9	99.1	
50R			6.0	98.0	
53R	R.O.W.		7.1	96.9	

Can't fit Book 1303

Notes reduced by C.S. Kelley, Jan. 5, 1928.

IMPROVED TABLES
AND
INFORMATION



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1 65	1 80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3 45	3.60	3 75	3.90	4.05	4.20	4 35	2
3	4.50	4 65	4.80	4.95	5 10	5 25	5 40	5.55	5.70	5.85	3
4	6.00	6 15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7 50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9 00	9 15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10 65	10.80	10.95	11.10	11.25	11.40	11.55	11 70	11.85	7
8	12.00	12 15	12.30	12.45	12.60	12.75	12.90	13 05	13.20	13.35	8
9	13 50	13.65	13 80	13 95	14.10	14.25	14.40	14 55	14.70	14.85	9
10	15.00	15 15	15 30	15 45	15.60	15.75	15.90	16.05	16.20	16 35	10
11	16 50	16 65	16 80	16.95	17 10	17.25	17.40	17.55	17.70	17.85	11
12	18 00	18.15	18.30	18 45	18.60	18 75	18.90	19.05	19.20	19 35	12
13	19 50	19 65	19.80	19.95	20.10	20.25	20 40	20.55	20.70	20.85	13
14	21.00	21 15	21.30	21.45	21 60	21.75	21.90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24 15	24 30	24 45	24.60	24.75	24 90	25 05	25.20	25.35	16
17	25.50	25 65	25.80	25.95	26.10	26 25	26 40	26.55	26.70	26.85	17
18	27.00	27 15	27.30	27 45	27.60	27.75	27.90	28.05	28 20	28.35	18
19	28 50	28 65	28 80	28.95	29.10	29.25	29 40	29.55	29.70	29.85	19
20	30 00	30 15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31 50	31 65	31.80	31.95	32 10	32 25	32.40	32.55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33.60	33 75	33.90	34.05	34.20	34.35	22
23	34 50	34 65	34.80	34.95	35.10	35 25	35 40	35.55	35.70	35 85	23
24	36 00	36 15	36.30	36 45	36.60	36.75	36.90	37.05	37 20	37.35	24
25	37.50	37.65	37 80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39 00	39 15	39 30	39 45	39 60	39.75	39.90	40.05	40.20	40.35	26
27	40 50	40 65	40 80	40.95	41.10	41.25	41 40	41.55	41.70	41.85	27
28	42 00	42 15	42.30	42.45	42.60	42 75	42.90	43.05	43.20	43.35	28
29	43 50	43 65	43.80	43 95	44.10	44 25	44 40	44.55	44.70	44 85	29
30	45 00	45 15	45.30	45 45	45.60	45.75	45 90	46.05	46 20	46.35	30
31	46.50	46.65	46.80	46 95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48 00	48.15	48.30	48 45	48.60	48 75	48.90	49.05	49 20	49.35	32
33	49 50	49 65	49.80	49.95	50.10	50.25	50.40	50.55	50 70	50.85	33
34	51 00	51.15	51.30	51.45	51.60	51 75	51 90	52.05	52.20	52.35	34
35	52 50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54 00	54 15	54.30	54 45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55 50	55 65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57 30	57 45	57.60	57 75	57.90	58.05	58.20	58 35	38
39	58 50	58.65	58 80	58 95	59.10	59 25	59.40	59 55	59.70	59.85	39
40	60 00	60 15	60 30	60 45	60 60	60.75	60 90	61.05	61 20	61.35	40
41	61.50	61 65	61 80	61 95	62 10	62 25	62.40	62.55	62 70	62.85	41
42	63 00	63.15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64.35	42
43	64.50	64 65	64 80	64.95	65.10	65 25	65 40	65.55	65.70	65.85	43
44	66 00	66 15	66 30	66.45	66.60	66 75	66.90	67.05	67.20	67.35	44
45	67 50	67 65	67 80	67 95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69 00	69 15	69 30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70 50	70 65	70 80	70 95	71.10	71.25	71 40	71.55	71.70	71.85	47
48	72.00	72 15	72.30	72.45	72.60	72.75	72.90	73 05	73.20	73 35	48
49	73 50	73 65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

0+00
3+75 15 B.C ℄ R
① 4+75 17
② 5+75 19
③ 6+75 21
7+42 98 E.C
8+18 68 B C ℄ L
9+27 57 E C.
16+97 39 B.C. = 16+98 94 ℄ L
① 17+98 96
② 18+98 98
③ 19+99 00
④ 20+99 02
⑤ 21+99 04
⑥ 22+99 06
23+99 62 E.C.

216+50
5 35
221+85

25+30 56 B.C. ℄ R
① 26+30 57
② 27+30 57
28+16 29 E.C.

30+01 80 B C ℄ L
① 31+01 82
32+01 84
33+01 86
34+01 88

34+08 90 E.C.

34+65 64 B.C. ⊥ R

① 35+65 64

② 36+65 65

③ 37+65 66

④ 38+65 67

38+72 30 E

B.C. ⊥

= 46+48 61

55+44 42 P.O.T. P.L.

62+41 65 P.O.T. P.L.

67+50 60 P.O.T.

67+87 29 B.C. ⊥ L

70+20 68 E C

73+19 17 B.C. ⊥ R

89+99 57 P.C.C. ⊥ R

101+65 91 E.C.

103+40 39 B.C ⊥ L

113+87 54 E.C.

128+60 49 B.C. ⊥ L

133+02 06 E.C. 64

196+66 60 B.C. ⊥ R

156+73 98 E.C.

70246
67.57
23344
11672
6787.24
6903.96

14