

QUIPU AS70

Owner identification: #1 (owner Percy Dauelsberg, Arica, Chile)

Main cord: color DB:FB:W

- ç\$ 0.0 cm: group of 11 pendant cords (1-11)
 2.0 cm: group of 11 pendant cords (12-22)
 6.0 cm: group of 11 pendant cords (23-33), then space of 1.0 cm.
 10.5 cm: group of 11 pendant cords (34-44)
 13.5 cm: group of 4 pendant cords (45-48), then space of 1.0 cm.
 15.0 cm: group of 6 pendant cords (49-54), then space of 7.0 cm.
 16.5 cm: group of 8 pendant cords (55-62), then space of 2.0 cm.
 22.5 cm: group of 4 pendant cords (63-66)
 23.5 cm: group of 10 pendant cords (67-76)
 26.0 cm: group of 6 pendant cords (77-82), then space of 1.0 cm.
 28.5 cm: pendant cord (83), then space of 4.0 cm.
 32.5 cm: pendant cord (84), then space of 8.5 cm.
 41.0 cm: pendant cord (85), then space of 12.5 cm.
 53.5 cm: group of 2 pendant cords (86-87), then space of 99.0 cm.
 153.0 cm: pendant cord (88)
 153.5 cm: end ç

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
1	--	41.0	SR/W (1.5/41.0)	0	
2	--	41.0ç	W	0	2:1.5-2.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
2s1	--	38.0¢	DB:W/W (2.5/38.0)	0	
2s2	6s(9.0); 2L(15.0)	27.5¢	GR	62	
3	2s(11.0); 2L(17.5)	36.5¢	W	22	2:2.0-2.5
3s1	--	35.0¢	DB:W/W (3.0/35.0)	0	
3s2	1s(8.0); 5L(15.5)	29.5¢	CB	15	
4	3s(10.5); 3L(17.5)	33.5¢	W	33	2:1.5-2.0
4s1	--	40.0¢	DB:W/W (2.5/40.0)	0	
4s2	2s(9.0); 3L(15.5)	38.5¢	HB	23	
5	1s(30.0)	37.5¢	W	10(?)	2:1.5-2.0
5s1	--	37.5¢	DB:W/W (2.5/37.5)	0	
5s2	1s(8.0); 7L(13.5); 2L(16.0)	22.5¢	HB	17+2(?)	1:1.0
5s2s1	4L(14.5)	24.5¢	W/KB:W/W (2.0/6.5/24.5)	0+4(?)	
6	--	36.5¢	W	0	2:1.0-1.5
6s1	4s(9.5); 4L(16.0)	29.0¢	HB-W	44	
6s2	1s(9.0)	40.0¢	DB:W	10	
7	--	38.0¢	W	0	1:1.5
7s1	2s(9.0); 7L(15.0)	31.0¢	HB-W	27	
8	--	41.0¢	W	0	2:1.5, 28.0
8s1	2s(8.5); 4L(15.0)	32.0¢	HB-W	24	
8s2	2s(10.0); 4L(16.0)	30.5¢	DB:W/W (3.5/30.5)	24	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
9	--	44.0¢	W	0	1:1.0
9s1	1s(8.0); 8L(14.5)	26.0¢	DB:W/W (3.0/26.0)	18	
10	--	29.5¢	W	0	
11	--	30.0¢	W	0	
12	--	?	SR/W (5.0/?)	0	
13	3L*(11.5); 5L(18.5)	34.5¢	W	3*5	7:1.5-3.5
13s1	3L(16.0)	39.0¢	W	3	3:0.5-1.5
13s1s1	--	42.0¢	DB:W/W (3.0/42.0)	0	1:0.5
13s1s1s1	4L(5.5); 2L(9.0)	23.0	CB	4+2(?)	
13s1s2	--	41.0¢	HB/W (1.5/41.0)	0	1:0.5
13s1s2s1	2s(9.5); 1E(15.5)	37.0¢	GR	21	
13s1s3	1s(9.5); 1E(15.0)	24.0¢	GR	11	
13s2	--	40.0¢	DB:W/W (5.5/40.0)	0	2:0.5-1.5
13s2s1	--	43.0¢	KB-W	0	1:0.5
13s2s1s1	5L(16.0)	33.0¢	CB	5	
13s2s2	6s(7.5); 5L(14.5)	21.5¢	CB	65	
13s3	1s(9.0); 5L(16.0)	37.0¢	KB-W	15	1:0.5
13s3s1	1E(16.0)	35.0¢	FB:W	1	
13s4	4s(2.0); 3s(8.5); 2L(16.0)	36.0¢	HB	432	
13s5	3s(8.5); 7L(15.5)	32.0¢	KB/W (3.0/32.0)	37	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
13s6	4s(8.5); 7L(15.0)	31.0¢	BS:DB/W (3.5/31.0)	47	
13s7	1s(9.0); 1E(15.5)	42.0¢	DB/W (2.0/42.0)	11	
14	--	39.0¢	W	0	4:2.0-3.5
14s1	1s(4.0); 7s(10.5); 4L(17.5)	28.0¢	W	174	9:0.5-2.5; 1:25.5
14s1s1	--	38.5¢	DB:W/W (3.5/38.5)	0	2:0.5, 1.5
14s1s1s1	--	34.5¢	KB-W	0	1:0.5
14s1s1s1s1	1s(8.5); 3L(15.5)	37.5¢	HB	13	1:0.5
14s1s1s1s1s1	1E(14.5)	31.0¢	FB:W	1	
14s1s1s2	7s(9.5); 5L(15.0)	22.0¢	CB	75	
14s1s2	1s(8.5); 7L(15.5)	30.0¢	KB-W	17	
14s1s3	1s(3.0); 8s(9.5); 6L(15.5)	20.0¢	CB	186	
14s1s4	3s(9.0)	33.5¢	KB/W (3.0/33.5)	30	
14s1s5	1s(8.5); 5L(15.5)	33.5¢	GR/W (1.5/33.5)	15	
14s1s6	4s(8.5)	34.5¢	BS:DB/W (4.0/34.5)	40	
14s1s7	1s(8.5); 3L(15.0)	38.0¢	DB/W (2.0/38.0)	13	
14s1s8	3s(9.0)	45.0¢	BS/W (2.5/45.0)	30	
14s1s9	4L(15.0); 2L(17.5)	31.5¢	BS	4+2(?)	
14s1s10	1s(4.0); 7s(10.0); 4L(16.0)	24.0¢	W	174	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
14s2	--	38.5¢	DB:W/W (6.0/38.5)	0	2:0.0-0.5
14s2s1	--	37.0¢	KB-W	0	1:0.5
14s2s1s1	1E(14.5)	35.5	HB	1	
14s2s2	1E(15.5)	35.5¢	GR	1	
14s3	3L(16.5)	37.5¢	W	3	
14s4	1s(8.0); 1E(15.0)	31.5¢	CB	11	
15	1s(12.5); 1E(19.5)	42.5¢	W	11	3:1.5, 2.5, 5.5
15s1	1s(3.0); 1s(9.0); 4L(15.5)	45.0¢	W	114	4:1.0, 1.5, 2.0, 2.5
15s1s1	--	37.5¢	DB:W/W (4.5/37.5)	0	4:1.0, 2.0, 2.5, 4.5
15s1s1s1	--	49.5¢	KB-W	0	1:1.0
15s1s1s1s1	1s(8.5); 7L(15.5)	32.5¢	HB-W	17	1:1.0
15s1s1s1s1s1	--	39.0¢	GR	0	
15s1s1s2	1s(2.5); 2s(9.0)	37.0¢	HB-W	120	1:1.0
15s1s1s2s1	2s(2.5); 3s(8.5); 2L(14.5); 2L(17.5)	25.5¢	GR	232+2(?)	
15s1s1s3	8L(13.5)	31.5	FB:W	8	
15s1s1s4	--	37.0¢	BS	0	
15s1s2	8s(9.5); 6L(15.5)	25.5¢	DB:W	86	
15s1s3	3s(8.0); 2L(14.0)	30.0¢	KB/W (2.5/30.0)	32	
15s1s4	4s(8.5)	38.5¢	BS/W (2.0/38.5)	40	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
15s2	--	38.0¢	DB:W/W (4.0/38.0)	0	2:0.0-0.5
15s2s1	--	44.0¢	KB-W	0	1:0.5
15s2s1s1	1E(16.0)	39.0	CB	1	
15s2s2	3L(16.0); 2L(20.0)	37.5	HB	3+2(?)	
15s3	3L*(16.5)	41.5¢	HB/W (1.5/41.5)	3*	
16	--	43.5¢	W	0	2:1.0-1.5
16s1	1s(3.0); 5L(15.0)	27.0	W	105	2:0.5, 2.0
16s1s1	--	38.5¢	DB:W/W (2.5/38.5)	0	2:0.5, 1.5
16s1s1s1	--	44.5¢	KB-W	0	1:2.5
16s1s1s1s1	--	46.0	HB-W	0	1:3.0
16s1s1s1s1s1	5L(15.0)	35.0	CB	5	
16s1s1s2	1s(4.0); 5L(10.0); 2L(14.5)	47.5	HB	15+2(?)	
16s1s2	1s(9.0); 1E(15.0)	32.0¢	KB	11	
16s2	--	38.5¢	DB:W/W (4.5/38.5)	0	1:0.5
16s2s1	1s(9.5)	38.5¢	CB	10	
17	1s(7.0); 5L(14.0)	33.0¢	W	15	1:1.0; 1:2.0; 1:7.0
17s1	5s(8.0); 5L(14.5)	25.5¢	W	55	3:2.0, 3.0, 4.0
17s1s1	--	38.5¢	DB:W/W (3.0/38.5)	0	2:1.0, 5.0
17s1s1s1	--	42.0¢	KB-W	0	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
17s1s1s1s1	4s(7.0); 4L(15.0)	32.0	HB-W	44	
17s1s1s2	5s(3.0); 6s(7.0); 2L(14.5)	21.5¢	HB-W	562	
17s1s2	--	35.5¢	A2 (0.5/6.5/9.5/35.5)	0	5:0.5-2.5
17s1s2s1	1s(1.5); 4s(7.0)	34.5¢	DB:W	140	
17s1s2s2	4L(15.0)	37.0¢	DB:SY/W (2.0/37.0)	4	
17s1s2s3	--	42.5¢	W/DB:W/W (3.5/7.5/42.5)	0	1:0.5
17s1s2s3s1	5L(14.0)	37.0¢	BS-W/W (5.5/37.0)	5	
17s1s2s4	1s(7.0)	42.5¢	W/ML/W (6.5/9.5/42.5)	10	
17s1s2s5	8L(14.5)	41.5¢	SR:SY:ØG/W (3.0/41.5)	8	
17s1s3	1s(7.5); 8L(14.5)	29.5¢	KB/W (2.0/29.5)	18	
17s2	--	38.0	DB:W/W (3.0/38.0)	0	2:0.0-0.5
17s2s1	--	42.5¢	KB-W	0	1:1.0
17s2s1s1	3L(14.0)	39.0	HB-W	3	
17s2s2	1s(8.0); 1E(14.5); 2L(18.5)	36.0¢	HB-W	11+2(?)	
17s3	3L(15.0)	34.0¢	W/KB:W/W (4.0/7.0/34.0)	3	
18	--	45.5	W	0	4:2.0, 2.5, 3.0, 3.5
18s1	--	38.0¢	W	0	2:1.0, 2.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
18s1s1	--	42.0¢	KB-W	0	1:0.5
18s1s1s1	4s(8.0); 8L(14.0)	26.5¢	GR-W	48	
18s1s2	--	38.0¢	DB:W/W (3.0/38.0)	0	2:0.0-0.5
18s1s2s1	1s(2.0); 8s(10.0); 1E(15.0)	28.5¢	GR-W	181	
18s1s2s2	3s(2.0); 1s(7.5); 8L(14.0)	31.0¢	DB:W/W (3.0/31.0)	318	
18s2	--	44.0¢	KB-W	0	1:0.5
18s2s1	5L(15.5)	38.5¢	HB-W	5	
18s3	2s(7.0); 8L(15.0)	30.5¢	GR-W	28	
18s4	--	46.0¢	DB:W	0	
19	--	44.0	W	0	4:1.5, 2.0, 2.5, 3.0
19s1	--	36.5¢	W	0	3:0.0-0.5
19s1s1	--	45.0	KB-W	0	1:1.0
19s1s1s1	4s(8.5); 8L(15.0)	26.0	HB-W	48	
19s1s2	1s(2.0); 8s(8.0); 1E(15.0)	25.5¢	GR-W	181	
19s1s3	3s(2.5); 1s(8.0); 8L(15.5)	27.5¢	DB:W	318	
19s2	3L(17.0)	40.0¢	KB-W	3	
19s3	2s(9.0); 5L(16.0)	29.0¢	DB:W/W (3.0/29.0)	25	
19s4	--	42.5¢	DB:W	0	
20	--	39.5¢	W	0	3:1.0, 1.5, 2.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
20s1	--	36.0¢	W	0	3:0.0-0.5
20s1s1	3s(9.0)	38.5¢	KB-W	30	
20s1s2	5L(15.5)	35.0¢	GR-W	5	1:0.5
20s1s2s1	1s(2.0)	34.0¢	GR-W	100	
20s1s3	--	40.0¢	DB:W/W (3.0/40.0)	0	1:0.5
20s1s3s1	2s(2.5); 1s(8.0); 3L*(15.0)	32.0	DB:W/W (2.0/32.0)	213*	
20s2	4L(16.5)	34.5¢	KB-W	4	
20s3	2s(9.0); 5L(16.0)	32.0¢	DB:W/W (3.0/32.0)	25	
21	--	43.5¢	W	0	2:2.0-2.5
21s1	--	36.0¢	W	0	2:0.5-1.5
21s1s1	2s(8.0); 4L(15.5)	35.5¢	KB-W	24	
21s1s2	--	39.0¢	DB:W/W (3.5/39.0)	0	1:0.5
21s1s2s1	2s(2.5); 1E(14.0); 3L(17.0)	29.5¢	DB:W/W (2.0/29.5)	201+2(?)	
21s2	1s(8.5); 4L(15.5)	31.0¢	DB:W/W (2.5/31.0)	14	1:0.5
21s2s1	1E(15.0)	39.0¢	KB-W	1	
22	--	42.0¢	W	0	2:1.5-2.0
22s1	--	45.0¢	W	0	1:0.5
22s1s1	1s(3.5); 1s(9.5); 1E(16.5)	33.5¢	DB:W/W (3.0/33.5)	111	1:0.5
22s1s1s1	1s(9.0); 7L(16.0)	32.0¢	KB-W	17	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
22s2	3L*(16.0)	35.0¢	DB:W/W (3.0/35.0)	3*	
23	--	44.0¢	SR/W (1.0/44.0)	0	
24	1s(12.0); 7L(19.5)	36.0	W	17	3:1.5-2.5
24s1	--	47.0¢	W	0	
24s2	--	43.0¢	W	0	1:0.5
24s2s1	--	42.5¢	KB-W	0	1:0.5
24s2s1s1	5L(15.5)	35.5	HB	5	
24s3	2s(4.0); 2s(10.0)	32.0¢	HB	220	
25	3s(11.0)	40.0	W	30	2:1.0-2.0
25s1	6s(9.5)	36.5¢	W	60	1:0.5
25s1s1	2L(17.5)	40.0¢	HB	2	
25s2	4s(8.5); 1E(15.5)	37.0¢	W	41	2:1.0-2.0
25s2s1	--	41.0¢	KB-W	0	1:0.5
25s2s1s1	5L(16.0)	38.0¢	HB	5	
25s2s2	2L(16.0)	41.5¢	HB	2	
26	1s(11.0); 2L(18.5)	40.5¢	W	12	3:1.0, 2.0, 3.0
26s1	2s(10.0); 1E(17.5)	41.5¢	W	21	1:0.5
26s1s1	--	50.0¢	DB:W/W (3.0/50.0)	0	1:0.5
26s1s1s1	6s(9.0)	33.0¢	HB	60	
26s2	--	52.0¢	W	0	3:0.0-1.0
26s2s1	--	38.0	FB-W	0	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
26s2s1s1	1E(15.0)	39.0¢	HB	1	
26s2s2	3s(8.5)	42.0	SR:SY:ØG/W (2.0/42.0)	30	
26s2s3	--	42.0¢	DB:W/W (3.0/42.0)	0	1:0.5
26s2s3s1	1s(8.0)	42.0¢	HB	10	
27	--	40.0¢	W	0	3:2.0-3.0
27s1	--	41.5¢	W	0	1:0.5
27s1s1	2s(8.0)	46.0¢	DB:W	20	
27s2	--	33.0¢	W	0	1:0.5
27s2s1	7L(15.0)	34.0¢	DB:W	7	
27s3	9L(15.0)	34.0	DB:W	9	
28	--	41.5¢	W	0	4:1.0, 1.5, 2.0, 2.5
28s1	--	29.0¢	W	0	2:0.0-0.5
28s1s1	8s(8.0); 2L(15.0)	28.0¢	HB-W	82	
28s1s2	2s(7.5); 3L*(15.0)	38.0¢	DB:W	23*	
28s2	--	42.0¢	W	0	4:0.0-1.0
28s2s1	--	31.5	W	0	2:0.0-0.5
28s2s1s1	1s(7.5); 3L*(15.0)	32.0¢	HB-W	13*	
28s2s1s2	--	43.5	DB:W	0	
28s2s2	--	43.0¢	KB-W	0	1:0.5
28s2s2s1	4L(14.0)	34.5¢	GR-W	4	
28s2s3	5s(7.5)	29.5¢	GR-W	50	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
28s2s4	--	44.5¢	DB:W	0	
28s3	8s(8.5); 7L(14.5)	16.5¢	GR-W	87	
28s4	--	42.0¢	DB:W	0	
29	--	42.0¢	W	0	5:1.0-2.5
29s1	--	43.0¢	W	0	2:0.0-0.5
29s1s1	7s(8.5); 3L(16.0)	27.0¢	GR-W	73	
29s1s2	1s(9.5); 5L(16.5)	36.5¢	DB:W	15	
29s2	--	46.5¢	W	0	3:0.0-1.0
29s2s1	--	42.0¢	W	0	3:0.0-0.5
29s2s1s1	--	41.0¢	KB-W	0	1:0.5
29s2s1s1s1	3L(14.5)	38.5¢	GR-W	3	
29s2s1s2	4s(8.0)	43.0¢	GR-W	40	
29s2s1s3	1s(8.0)	41.0¢	DB:W	10	
29s2s2	1s(8.5)	44.5¢	GR-W	10	
29s2s3	5L(16.0)	36.5¢	DB:W	5	
29s3	--	41.0¢	KB-W	0	1:0.5
29s3s1	2L(15.0)	46.5¢	GR-W	2	
29s4	7s(8.0); 4L(15.5)	33.0¢	GR-W	74	
29s5	1s(8.0); 3L(15.0)	37.0¢	DB:W	13	
30	--	45.0¢	W	0	5:1.5-3.0
30s1	--	44.5¢	W	0	2:0.5-1.0
30s1s1	5s(10.0); 4L(16.0)	42.0¢	GR-W	54	
30s1s2	5s(9.5); 1E(16.0)	33.5¢	DB:W	51	
30s2	--	49.5¢	W	0	4:0.0-2.0
30s2s1	--	40.0¢	W	0	2:0.0-0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
30s2s1s1	1s(10.0)	48.0¢	GR-W	10	
30s2s1s2	1s(8.5); 1E(16.0)	40.5¢	DB:W	11	
30s2s2	3L(17.0)	38.0¢	FB-W	3	
30s2s3	3s(8.5)	46.5¢	GR-W	30	
30s2s4	2s(8.5); 1E(16.0)	38.0¢	DB:W	21	
30s3	7L(16.5)	33.0¢	FB-W	7	
30s4	5s(10.0)	44.0¢	GR-W	50	
30s5	2s(9.5); 1E(16.0)	38.5¢	DB:W	21	
31	--	45.5¢	W	0	4:0.5, 1.5, 2.0, 3.0
31s1	--	41.0¢	W	0	2:0.0-0.5
31s1s1	1s(9.5)	45.5¢	GR-W	10	
31s1s2	1s(8.0); 6L(15.0)	28.5¢	DB:W/W (2.5/28.5)	16	
31s2	--	45.0	W	0	2:0.0-0.5
31s2s1	--	48.5¢	W	0	1:0.5
31s2s1s1	6L(15.5)	29.5¢	DB:W/W (3.0/29.5)	6	
31s2s2	2L(15.5); 2L(29.0)	44.0¢	DB:W/W (2.0/44.0)	2+2(?)	1:0.5
31s2s2s1	2L(5.5)	30.0¢	KB-W	2	
31s3	1s(9.5)	48.5¢	GR-W	10	
31s4	2s(9.0); 5L(16.0); 2L(20.0)	38.0¢	DB:W/W (2.5/38.0)	25+2(?)	1:0.5
31s4s1	2L(16.5)	39.5¢	KB-W	2	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
32	--	42.5¢	W	0	3:1.5, 2.0, 3.0
32s1	--	50.0¢	W	0	1:0.5
32s1s1	2s(11.0); 2L(18.0)	43.0¢	DB:W/W (2.0/43.0)	22	
32s2	--	41.5¢	W	0	2:1.0, 2.0
32s2s1	--	31.0¢	W	0	1:0.5
32s2s1s1	6L(15.5)	31.0¢	DB:W/W (2.5/31.0)	6	
32s2s2	1s(10.0); 1E(16.5)	34.5¢	DB:W/W (3.0/34.5)	11	1:0.5
32s2s2s1	1E(16.5)	37.5¢	KB-W	1	
32s3	2s(10.5); 7L(18.0)	28.0¢	DB:W/W (3.0/28.0)	27	
33	--	33.0¢	W	0	3:1.0, 2.0, 3.0
33s1	--	47.0¢	W	0	1:0.5
33s1s1	2s(10.0); 2L(18.0)	45.0¢	DB:W/W (2.0/45.0)	22	
33s2	--	43.0¢	W	0	3:0.0-0.5
33s2s1	--	42.0¢	W	0	1:1.0
33s2s1s1	1E(17.0)	37.0¢	DB:W/W (2.0/37.0)	1	
33s2s2	--	37.0¢	KB-W	0	
33s2s3	1s(10.0)	49.5¢	DB:W/W (1.5/49.5)	10	
33s3	1s(10.0); 6L(17.5)	39.5¢	DB:W/W (2.0/39.5)	16	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
34	--	39.5¢	SR/W	0	
35	--	41.5¢	W	0	4:1.5-3.0
35s1	--	47.0¢	W	0	3:0.0-0.5
35s1s1	--	43.0	KB-W	0	1:0.5
35s1s1s1	2L(16.0)	33.0¢	CB	2	
35s1s2	--	41.0¢	DB:W/W (5.5/41.0)	0	1:0.5
35s1s2s1	1s(9.0); 2L(18.0)	32.0¢	HB	12	
35s1s3	7s(10.0); 1E(15.5)	27.5¢	W	0	
35s2	--	41.0¢	W/M1/W (7.0/11.0/41.0)	0	1:0.5
35s2s1	--	44.5¢	W	0	2:0.0-0.5
35s2s1s1	--	39.5¢	DB:W/W (4.0/39.5)	0	1:0.5
35s2s1s2	3s(9.5)	32.5¢	CB	30	
35s3	--	42.0¢	DB:W/W (5.0/42.0)	0	1:0.5
35s3s1	4L(16.0)	32.0¢	CB	4	
35s4	2s(10.5)	34.5¢	CB	20	
36	--	38.0¢	W	0	4:1.0, 2.0, 3.0, 3.5
36s1	2s(12.0)	47.0¢	W	20	2:0.0-0.5
36s1s1	--	32.0¢	DB:W/W (2.0/32.0)	0	2:0.5, 2.0
36s1s1s1	4s(11.5)	32.5¢	HB	40	
36s1s1s2	7L(17.0)	35.0¢	DB:W	7	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
36s1s2	--	35.0¢	FB-W	0	1:0.5
36s1s2s1	4L(17.0)	39.0¢	HB	4	
36s2	--	52.0¢	W	0	1:0.5
36s2s1	--	38.0¢	DB:W/W (3.0/38.0)	0	2:0.0-0.5
36s2s1s1	1E(16.0)	39.5¢	DB:W	1	
36s2s1s2	1s(8.5); 2L(15.5)	33.5¢	HB	12	
36s3	--	37.5¢	DB:W/W (2.5/37.5)	0	1:0.5
36s3s1	2L(15.5)	35.5¢	HB	2	
36s4	2s(9.0)	34.0¢	HB	20	
37	--	36.5¢	W	0	4:1.0-2.5
37s1	--	45.5¢	W	0	2:0.0-0.5
37s1s1	--	37.5¢	KB-W	0	1:0.5
37s1s1s1	3L(16.0)	37.5¢	DB:W/W (5.0/37.5)	3	
37s1s2	--	42.0¢	DB:W/W (4.0/42.0)	0	2:0.0-0.5
37s1s2s1	3s(9.0); 6L(16.0)	32.0¢	DB:W	36	
37s1s2s2	1s(8.0)	38.0¢	HB	10	
37s2	--	45.0¢	W	0	
37s3	--	44.0¢	DB:W/W (3.0/44.0)	0	1:0.5
37s3s1	1s(8.0); 4L(15.0)	37.0¢	DB:W	14	
37s4	1s(9.0)	30.0¢	HB	10	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
38	--	35.0¢	W	0	1:1.0; 2:2.0- 2.5
38s1	--	38.0¢	W	0	2:0.0-0.5
38s1s1	--	36.5¢	KB-W	0	1:0.5
38s1s1s1	1E(15.5)	35.5¢	HB-W	1	
38s1s2	--	42.0¢	DB:W/W (3.0/42.0)	0	2:0.0-0.5
38s1s2s1	1s(8.5); 4L(17.0)	32.0¢	GR-W	14	
38s1s2s2	4L(16.0)	42.5¢	DB:W	4	
38s2	--	39.5¢	W	0	
38s3	--	43.0¢	DB:W/W (3.0/43.0)	0	2:0.0-0.5
38s3s1	2L(16.0); 2L(20.0)	36.0¢	HB-W	2+2(?)	
38s3s2	5L(15.0)	38.0¢	DB:W	5	
39	2L(25.0)	33.5¢	W	2	6:0.5-2.5
39s1	--	36.0¢	W	0	1:2.0
39s1s1	--	44.5¢	DB:W/W (2.5/44.5)	0	3:0.0-0.5
39s1s1s1	--	36.0¢	FB-W	0	1:0.5
39s1s1s1s1	5L(17.5)	40.0¢	DB:W/W (2.0/40.0)	5	
39s1s1s2	2s(9.0)	37.0¢	GR-W	20	
39s1s1s3	5s(9.5); 4L(16.0)	32.0¢	DB:W	54	
39s2	--	31.5¢	W	0	
39s3	1s(10.0); 3L(17.0)	39.0¢	DB:W	13	
39s4	--	40.0¢	GR-W	0	
39s5	--	37.0¢	DB:W/W (2.5/37.0)	0	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
39s6	3L*(15.5)	32.0¢	GR	3*	
40	--	37.0¢	W	0	5:1.0-2.5
40s1	--	41.5¢	W	0	1:0.5
40s1s1	--	44.5¢	DB:W/W (2.5/44.5)	0	3:0.0-0.5
40s1s1s1	--	50.5¢	FB-W	0	1:1.5
40s1s1s1s1	4L(16.0)	35.0¢	GR-W	4	
40s1s1s2	4s(9.0); 1E(15.5)	30.0¢	GR-W	41	
40s1s1s3	3s(8.5); 1E(15.5)	36.5¢	DB:W	31	
40s2	--	41.5¢	W	0	
40s3	2s(9.5); 4L(17.5)	29.0¢	GR-W	24	
40s4	--	38.0¢	DB:W/W	0	
40s5	4L(16.0)	34.5¢	GR	4	
41	--	45.0¢	W	0	3:1.0, 2.0, 3.0
41s1	--	40.5¢	W	0	2:1.0, 3.5
41s1s1	4L(16.5)	33.5¢	KB-W	4	
41s1s2	--	49.0¢	DB:W/W	0	2:0.0-0.5
41s1s2s1	1s(9.0)	43.5¢	DB:W	10	
41s1s2s2	7s(8.5)	33.5¢	GR-W	70	
41s2	--	37.5¢	W	0	
41s3	--	45.5	DB:W/W (2.5/45.5)	0	1:0.5
41s3s1	3s(9.0)	35.0¢	GR-W	30	
42	--	41.0¢	W	0	4:1.0, 2.0, 3.0, 4.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
42s1	--	42.0¢	W	0	1:0.5
42s1s1	2s(10.0)	43.0¢	DB:W/W (2.0/43.0)	20	2:0.0-0.5
42s1s1s1	1E(17.0)	35.0¢	KB-W	1	
42s1s1s2	3s(8.5)	35.5¢	HB-W	30**	
42s2	--	31.0¢	W	0	
42s3	4L(16.5)	35.5¢	GR-W	4**	
42s4	2s(9.0); 3L(17.0)	37.5¢	DB:W/W (3.0/37.5)	23	
43	--	61.0¢	W	0	3:1.0, 2.0, 3.0
43s1	--	40.0¢	W	0	1:1.0
43s1s1	3s(10.0)	44.0¢	DB:W/W (2.0/44.0)	30	1:1.0
43s1s1s1	2L(16.5)	33.5¢	KB-W	2	
43s2	--	52.0¢	W	0	
43s3	1s(9.5); 5L(17.0)	41.0	DB:W/W (3.5/41.0)	15	
44	--	38.5¢	W	0	3:0.5-1.5
44s1	--	45.0	W	0	1:0.5
44s1s1	2s(8.5); 5L(16.5)	30.0¢	DB:W/W (3.5/30.0)	25	
44s2	--	47.5¢	W	0	
44s3	1s(9.5)	36.0¢	DB:W/W (4.0/36.0)	10	
45	--	44.5¢	SR/W	0	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
46	6s(7.5); 1s(13.5); 1E(19.5)	30.5	W	611	3:1.0-4.0
46s1	--	43.5¢	KB-W	0	1:0.5
46s1s1	3L(15.5)	39.5	GR	3	
46s2	1s(11.5)	35.0¢	FB-W	10	
46s3	1s(4.0); 3s(10.0); 7L(15.0)	29.0	FB-GR	137	
47	4s(6.5); 4L(16.5)	28.5¢	W	404	5:1.0-2.5
47s1	7L(15.0)	32.0¢	W	7	2:0.0-0.5
47s1s1	--	40.0¢	DB:W/W (4.0/40.0)	0	1:0.5
47s1s1s1	5L(14.5)	43.5¢	GR	5	
47s1s2	2s(9.5)	41.5¢	GR	20	
47s2	--	42.0¢	KB-W	0	1:0.5
47s2s1	2L(15.0)	41.0¢	GR	2	
47s3	2s(9.0); 2L(14.5)	29.0¢	FB-W	22	
47s4	--	39.5¢	DB:W/W (4.0/39.5)	0	1:0.5
47s4s1	2L(19.5)	32.5¢	GR-W	0+2(?)	
47s5	2s(3.0); 2s(9.0)	36.5¢	GR	220	
48	1s(6.5); 3s(11.5)	41.5¢	W	130	5:1.0-2.5
48s1	--	32.0¢	W	0	1:0.5
48s1s1	--	41.5¢	HB-W	0	1:0.5
48s1s1s1	2s(9.5); 5L(16.0)	29.5¢	HB	25	
48s2	--	44.5	DB:W/W (3.5/44.5)	0	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
48s2s1	1E(20.0)	36.0¢	HB	0+1(?)	
48s3	--	45.5¢	KB-W	0	1:0.5
48s3s1	4L(15.5)	28.5¢	HB	4	
48s4	1s(9.0)	40.0¢	KB-W	10	
48s5	5s(4.0); 1s(9.0); 1E(15.0)	28.0	HB	511	
49	1s(5.5); 1s(12.0); 5L(18.0)	35.0¢	W	115	3:1.5-2.5
49s1	--	40.0¢	FB-W	0	1:38.0
49s1s1	1E(13.5); 1s(17.5)	33.5¢	FB:W	1+10(?)	
49s2	--	38.0¢	DB:W/W (3.0/38.0)	0	
49s3	1E(15.0)	33.0¢	HB	1	
50	2s(6.0); 3L(17.5)	40.5¢	W	203	5:1.0-3.0
50s1	3L(16.0)	45.5¢	W	3	2:0.0-0.5
50s1s1	--	35.0¢	DB:W	0	1:0.5
50s1s1s1	3L(16.0)	34.5¢	HB-W	3	
50s1s2	--	41.5¢	DB:W/W (3.5/41.5)	0	1:0.5
50s1s2s1	2L(16.0)	41.0	HB	2	
50s2	--	39.5¢	DB:W/W (3.5/39.5)	0	2:0.0-0.5
50s2s1	3s(4.0); 6s(10.0); 5L(16.0)	29.0¢	DB:W	365	
50s2s2	2s(4.0); 4s(9.5); 7L(15.5)	23.5¢	HB-W	247	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
50s3	---	39.5¢	KB-W	0	1:0.5
50s3s1	3s(9.5); 6L(16.5)	29.5¢	HB-W	36	
50s4	1s(9.5); 5L(14.5)	38.5¢	W	15	1:0.5
50s4s1	5L(14.0)	28.5¢	W/DB:W/W (4.5/8.5/28.5)	5	
50s5	---	46.0¢	W	0	1:0.5
50s5s1	6L(13.5)	24.0¢	W/DB:W/W (5.0/8.5/24.0)	6	
51	---	47.0	W	0	3:2.0-3.0
51s1	---	41.0¢	KB-W	0	1:0.5
51s1s1	3s(8.5); 5L(16.0)	30.0¢	HB-W	35	
51s2	1s(3.0); 8s(9.0); 3L(15.0)	27.0¢	DB:W	183	
51s3	3s(3.0); 7s(8.5); 4L(14.5)	23.0¢	HB-W	374	1:0.5
51s3s1	9s(9.0)	39.0¢	W	90	1:0.5
51s3s1s1	1s(7.5)	34.5¢	W/FB:W/W (4.0/8.5/34.5)	10	
52	---	46.0¢	W	0	3:0.0-0.5
52s1	---	40.0¢	KB-W	0	1:0.5
52s1s1	2s(8.0); 4L(15.0)	34.0¢	HB-W	24	
52s2	1s(3.0); 6L(16.0)	35.5	HB-W	106	
52s3	3s(3.0); 4s(8.5); 5L(15.5)	29.5	DB:W	345	
53	---	42.0¢	W	0	3:1.5-2.5
53s1	---	41.5¢	KB-W	0	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
53s1s1	1s(8.0)	39.0¢	HB-W	10	
53s2	1s(3.5); 5s(9.0); 7L(16.5)	27.5¢	HB-W	157	
53s3	3s(8.5); 6L(18.0)	35.0¢	DB:W	36	
54	--	45.0¢	W	0	2:0.0-0.5
54s1	--	40.0¢	KB-W	0	1:1.0
54s1s1	2s(7.5); 1E(14.0)	36.0¢	DB:W/W (4.0/36.0)	21	
54s2	2s(3.5); 2s(8.5); 2L(15.5)	31.5¢	DB:W/W (3.0/31.5)	222	
55	--	53.0	W	0	2:0.0-0.5
55s1	--	41.0¢	KB-W	0	1:1.0
55s1s1	3L*(16.5)	38.0¢	DB:W/W (3.0/38.0)	3*	
55s2	1s(3.0); 4s(9.0); 6L(16.5); 2L(17.0)	30.0¢	DB:W/W (3.5/17.0)	146+2(?)	
56	--	37.0¢	SR/W (2.0/37.0)	0	
57	--	43.0¢	W	0	2:1.0, 2.0
57s1	--	43.5¢	W	0	1:0.5
57s1s1	--	39.5¢	DB:W/W (2.5/39.5)	0	2:0.5, 1.5
57s1s1s1	--	41.0¢	KB-W	0	1:1.0
57s1s1s1s1	3L(13.5)	33.0¢	CB	3	
57s1s1s2	6s(9.0); 4L(14.0)	23.0¢	CB	64	
57s2	--	35.5¢	DB:W/W (2.5/35.5)	0	2:0.5, 1.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
57s2s1	--	36.0¢	KB-W	0	1:0.5
57s2s1s1	8L(14.0)	31.0	CB	8	
57s2s2	6s(9.0); 8L(13.0)	18.0¢	CB	68	
58	--	36.5¢	W	0	4:0.0-2.0
58s1	--	45.0¢	W	0	1:1.0
58s1s1	--	35.0¢	DB:W/W (3.0/35.0)	0	3:0.5-2.0
58s1s1s1	--	37.0¢	KB-W	0	1:0.5
58s1s1s1s1	2L(12.0)	36.0¢	HB	2	
58s1s1s2	2s(7.0); 7L(13.0); 1E(13.5)	33.5¢	DW:W	27+1(?)	
58s1s2s3	2L(14.0)	37.0¢	HB	2	
58s2	--	44.0¢	KB-W	0	1:0.5
58s2s1	3L(14.5)	35.5	CB	3	
58s3	--	42.5	DB:W/W (2.5/42.5)	0	
58s4	2s(8.0); 1E(14.0)	28.0	CB	21	
59	3s(5.5)	32.5¢	W	30	3:0.5-1.5
59s1	--	46.0¢	W	0	1:0.5
59s1s1	--	36.0	DB:W/W (3.0/36.0)	0	1:0.5
59s1s1s1	2s(8.0); 2L(14.5)	31.0¢	HB-W	22	
59s2	--	43.0¢	KB-W	0	1:0.5
59s2s1	1E(14.0)	41.0	HB	1	
59s3	--	40.0¢	DB:W/W (3.0/40.0)	0	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
59s3s1	1E(13.5)	36.0¢	HB-W	1	
60	1E(17.5)	39.5¢	W	1	4:0.5-2.5
60s1	--	44.5¢	W	0	2:0.0-0.5
60s1s1	--	40.0¢	KB-W	0	1:0.5
60s1s1s1	2L(19.5)	36.0	CB	2	
60s1s2	--	36.0¢	DB:W/W (3.0/36.0)	0	1:0.5
60s1s2s1	5L(14.0); 2L(18.0)	31.0¢	HB-W	5+2(?)	
60s2	--	35.0¢	DB:W/W (3.0/35.0)	0	
60s3	4L(14.0)	35.0¢	HB	4	
60s4	1s(8.0)	44.0	SR/W (1.0/44.0)	10	
61	3s(11.5); 4L(17.5)	28.5¢	W	34	6:0.5-3.0
61s1	--	37.0¢	FB-W	0	1:1.0
61s1s1	1E(13.5)	36.5¢	HB	1	
61s2	--	41.0¢	W	0	3:0.0-1.0
61s2s1	--	38.0¢	KB-W	0	1:0.5
61s2s1s1	2L(15.0)	36.0¢	HB-W	2	
61s2s2	5L(15.5)	38.5¢	DB:W	5	
61s2s3	2s(7.0)	32.5¢	HB-W	20	
61s3	--	40.0¢	KB-W	0	1:0.5
61s3s1	2L(16.0)	32.0¢	CB/CB-W/CB (2.0/8.0/32.0)	2	
61s4	3L(15.5)	39.5¢	DB:W	3	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
61s5	5s(8.0)	32.0¢	HB-W	50	
61s6	--	38.0¢	DB:W/W (3.0/38.0)	0	
62	--	41.5¢	W	0	5:1.0-3.0
62s1	--	49.0¢	W	0	1:1.0
62s1s1	--	34.5¢	DB:W/W (1.5/34.5)	0	2:0.0-0.5
62s1s1s1	--	37.0¢	KB-W	0	1:0.5
62s1s1s1s1	4L(15.0)	35.0	HB-W	4	
62s1s1s2	3s(7.0); 4L(14.0)	31.0	HB-W	34	
62s2	--	40.0¢	KB-W	0	1:0.5
62s2s1	3L*(15.0)	36.0	HB-W	3*	
62s3	5s(9.0); 3L(15.0)	29.5¢	HB-W	53	
62s4	1s(8.5)	34.5¢	W/DB:W/W (5.0/11.5/34.5)	10	
62s5	5L(16.0)	28.0¢	SR:ØG:W/W (2.5/28.0)	5	1:0.5
62s5s1	5L(14.5)	29.0¢	W/DB:W/W (5.0/8.5/29.0)	5	
63	--	40.5¢	W	0	1:1.0, 4:1.0-2.5, 1:2.5
63s1	3L(14.5)	32.0¢	W	3	3:0.0-1.0
63s1s1	--	37.5¢	KB-W	0	1:0.5
63s1s1s1	2L(15.0)	32.0¢	HB-W	2	
63s1s2	--	37.0¢	DB:W/W (2.5/37.0)	0	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
63s1s2s1	1s(8.5)	41.5¢	HB-W	10	
63s1s3	1E(15.0)	38.5¢	DB:W	1	
63s2	--	42.0	KB-W	0	1:0.5
63s2s1	5L(15.0)	34.0¢	HB-W	5	
63s3	1s(8.0)	36.5¢	HB-W	10	
63s4	3s(8.5); 5L(15.5)	35.0¢	DB:W	35	
63s5	1s(8.5)	44.5¢	W/FB:W/W (5.5/8.0/44.5)	10	1:0.5
63s5s1	7L(14.0)	24.5¢	W	7	
63s6	1s(8.0)	38.0¢	W/DB:W/W (4.0/7.0/38.0)	10	
64	--	37.0¢	W	0	1:0.5, 3:1.5-2.0
64s1	--	39.0¢	W	0	3:0.0-0.5
64s1s1	2L(15.0)	40.0¢	KB-W	2	
64s1s2	5L(14.5)	30.5¢	KB-W	5	
64s1s3	2L(15.0)	33.0	DB:W/W (2.0/33.0)	2	
64s2	7L(15.5)	31.0¢	KB-W	7	
64s3	2s(8.5)	34.5¢	KB-W	20	
64s4	5s(8.5); 1E(14.0)	30.5¢	DB:W/W (2.0/30.5)	51	
65	--	46.0	W	0	2:0.0-0.5, 1:1.5
65s1	--	43.0¢	W	0	1:0.5
65s1s1	2L(15.5)	35.5¢	KB-W	2	
65s2	2L(15.0)	33.0¢	KB-W	2	
65s3	4s(8.5); 3L*(15.5)	29.5¢	DB:W/W (3.0/29.5)	43*	
66	--	36.0	W	0	1:1.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
66s1	2s(8.5); 3L*(15.5)	31.0¢	DB:W/W (2.5/31.0)	23*	
67	--	45.0¢	SR/W (2.0/45.0)	0	
68	--	43.0¢	W	0	
69	--	44.5¢	W	0	
70	--	43.5¢	W	0	
71	--	35.0¢	W	0	
72	--	32.5¢	W	0	
73	--	35.5¢	W	0	
74	--	35.0¢	W	0	.1:1.0
74s1	1s(13.0)	27.0¢	W	10	
75	--	36.0¢	W	0	
76	--	35.0¢	W	0	
77	--	37.5¢	HB/W (3.0/37.5)	0	
78	7s(9.5); 4s(15.0); 8L(20.5)	31.0¢	W	748	2:2.0-2.5
78s1	1s(12.5); 1E(18.0)	35.0¢	DB/DB:W/DB (6.0/8.5/35.0)	11	
78s2	2L(18.0)	35.0	BS	2	
79	6s(9.5); 2s(15.0); 4L(20.0)	30.0	W	624	1:0.5, 1:2.0, 1:3.0
79s1	2s(13.5); 8L(19.0)	34.0¢	KB:W/W (4.5/34.0)	28	
79s2	8L(17.5)	31.5¢	DB/DB:W/DB (7.5/9.5/31.5)	8	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
79s3	5L(17.5)	30.5¢	BS	5	
80	6s(8.5); 4s(16.0); 1E(20.5)	30.5¢	W	641	2:2.0-2.5
80s1	1E(17.5)	29.5¢	DB/DB:W/DB (5.5/9.0/29.5)	1	
80s2	4L(18.0)	34.0	BS	4	
81	1s(8.0); 1s(15.0); 7L(19.5)	28.0¢	W	117	
82	2s(7.5); 3L(19.5)	40.5	W	203	2:1.5-2.0
82s1	--	32.5¢	DB/DB:W/DB (6.0/8.0/32.5)	0	
82s2	4L(18.0)	30.5¢	BS	4	
83	1s(7.5); 9L(19.5)	37.5¢	W	109	6:1.5-2.5
83s1	3s(12.5)	35.5¢	FB-W/W (14.0/35.5)	30	
83s2	1s(12.0); 1E(17.5)	27.5¢	SR-KB/KB (2.0/27.5)	11	
83s3	1s(5.5); 8L(17.0)	24.5¢	SR-W/W (3.0/24.5)	108	
83s4	1s(12.0)	33.0¢	KB:BS/W (3.0/33.0)	10	
83s5	2L(17.0)	27.0¢	DB/DB:W/DB (6.5/9.5/27.0)	2	
83s6	--	38.0¢	BS	0	
84	1s(8.5); 1s(14.5); 9L(20.0)	33.0¢	W	119	13:0.5-3.5
84s1	--	42.0¢	W	0	1:1.0
84s1s1	1s(12.0)	45.0¢	W	10	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
84s2	1s(13.5); 4L(20.0)	30.0¢	W	14	
84s3	2s(12.5)	40.5¢	W	20	1:1.5
84s3s1	1s(12.0); 5L(17.0)	48.0¢	W	15	
84s4	1s(12.5)	43.5¢	W	10	1:1.5
84s4s1	9L(17.5)	62.5¢	W	9	
84s5	1s(11.0); 5L(17.5)	31.0¢	W	15	1:1.5
84s5s1	1s(10.0)	27.0¢	W	10	
84s6	1s(11.0); 5L(18.0)	37.0¢	W	15	
84s7	1s(11.5)	33.5¢	W	10	
84s8	--	34.0¢	W	0	
84s9	1s(11.0); 5L(20.0)	43.5¢	W	15	
84s10	1s(11.0)	42.0¢	W	10	3:1.0-1.5
84s10s1	1s(9.5); 3L(16.0); 2L(18.0); 2L(19.0)	52.05¢	W	13+2+2(?)	
84s10s2	1s(10.0); 3L(16.0); 2L(16.5); 2L(19.0); 2L(20.0)	44.0¢	W	15+2+2(?)	
84s10s3	1s(10.5)	29.0¢	W	10	
84s11	1s(11.5)	38.0¢	BS/W (4.0/38.0)	10	
84s12	3L(17.0)	36.5¢	SR:VB:W/W (3.5/36.5)	3	
84s13	3L(17.0)	33.0¢	KB/W (3.0/33.0)	3	
85	--	45.0¢	W	0	
86	6L(19.0); 1E(19.5)	56.0¢	W	6+1(?)	1:2.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
86s1	1E(8.5); 1E(10.0)	21.5¢	W/SR:W/W (8.0/10.5/21.5)	1+1(?)	1:0.5
86s1s1	--	?	KB:W	0	
87	1E(9.5); 9L(17.5)	26.0¢	W	1+9(?)	1:2.0
87s1	1E(8.5)	40.5¢	DB	1	1:0.5
87s1s1	1E(8.0); 1E(9.0); 1E(10.5)	18.0¢	W/SR:W/W (7.5/8.5/18.0)	1+1+1(?)	1:0.5
87s1s1s1	1E(8.5); 3L(18.5); 1E(21.0)	25.0¢	BS:DB	1+3+1(?)	
88	--	60.0	W	0	

Observations

- 1.* Construction note: The designation 3* indicates a specially constructed knot. See AS69, observation #3 for a diagram of it.
2. Construction note: A2 is an abbreviation for the color W/FB:W/W/FB:W/W and M1 is an abbreviation for SR:SY:ØG:W.
- 3.** The knots on P42s1s1s2 and P42s3 are threaded with red.
4. AS69, AS70, and AS71 were excavated by their owner, Percy Dauelsberg, in 1965. For a discussion of the collection, see AS69.
5. The quipu is separated into 8 groups by the use of colored markers. Each group has 10 pendants color W (with the exception of the 7th group which has 9 pendants). Each of the first 7 groups is preceded by a marker pendant that is SR/W. The eighth marker is HB/W. All marker pendants are zero-valued (or blank) and have no subsidiaries.
6. In every group, the last pendant is zero-valued (or blank). Also, in groups 1-6, pendants 6-9 are all zero and in group 7 all pendants are zero.
7. Some of the pendants have as many as 10 subsidiaries which, in turn, have subsidiaries. In some cases there are as many as 5 levels of subsidiaries. On each level, there is a more or less consistent subsidiary color order. Subsidiaries on pendants in positions 7-10 are described in detail.

In positions 9 and 10 of groups 1-7, the subsidiaries (level 1) are color W, W, KB-W, DB:W/W. Their subsidiaries (level 2) are color W, KB-W, DB:W/W and their subsidiaries (level 3) are color KB-W, DB:W/W. No pendant has all of these subsidiaries but, those that are present are selections from this order. (In this color order, there are $4 \times 3 \times 2 = 24$ distinct subsidiary color positions possible. The maximum number of subsidiaries on any pendant in positions 9 or 10 is 8.)

Positions 7 and 8 of groups 1-7 extend the subsidiary colors of positions 9 and 10. The subsidiaries possible on level 1 are W, W, KB-W (or FB-W), GR-W (or HB-W), DB:W/W, DB:W. As is the case in positions 9 and 10, level 2 has the same color order but with 1 fewer W and level 3 has the same color order but with no W. Again, no pendant has all of the possible subsidiaries--the maximum number of subsidiaries in positions 7 or 8 is 13. (On pendant 7 in group 6, an additional color is used and 2 subsidiaries are out of order. Also, there are 3 places where GR-W is moved ahead in the order.)

Figure 1 shows the colors and values on just 2 pendants and their subsidiaries. Both use selections from the above color order for the first 3 levels but P_{65} extends to a fourth level as well.

8. Group 8 differs from the first 7 groups in the marker color preceding it, the presence of non-zero values in positions 6-9, and by having different colors and patterns of subsidiaries.

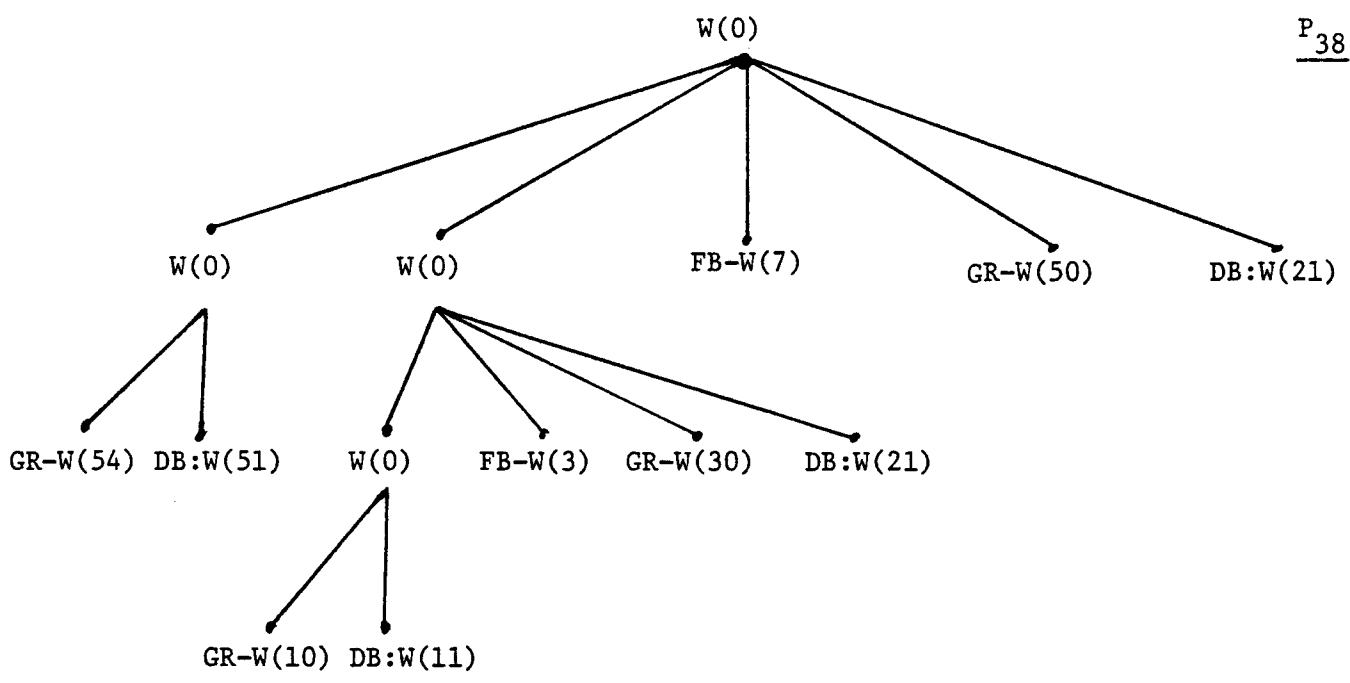
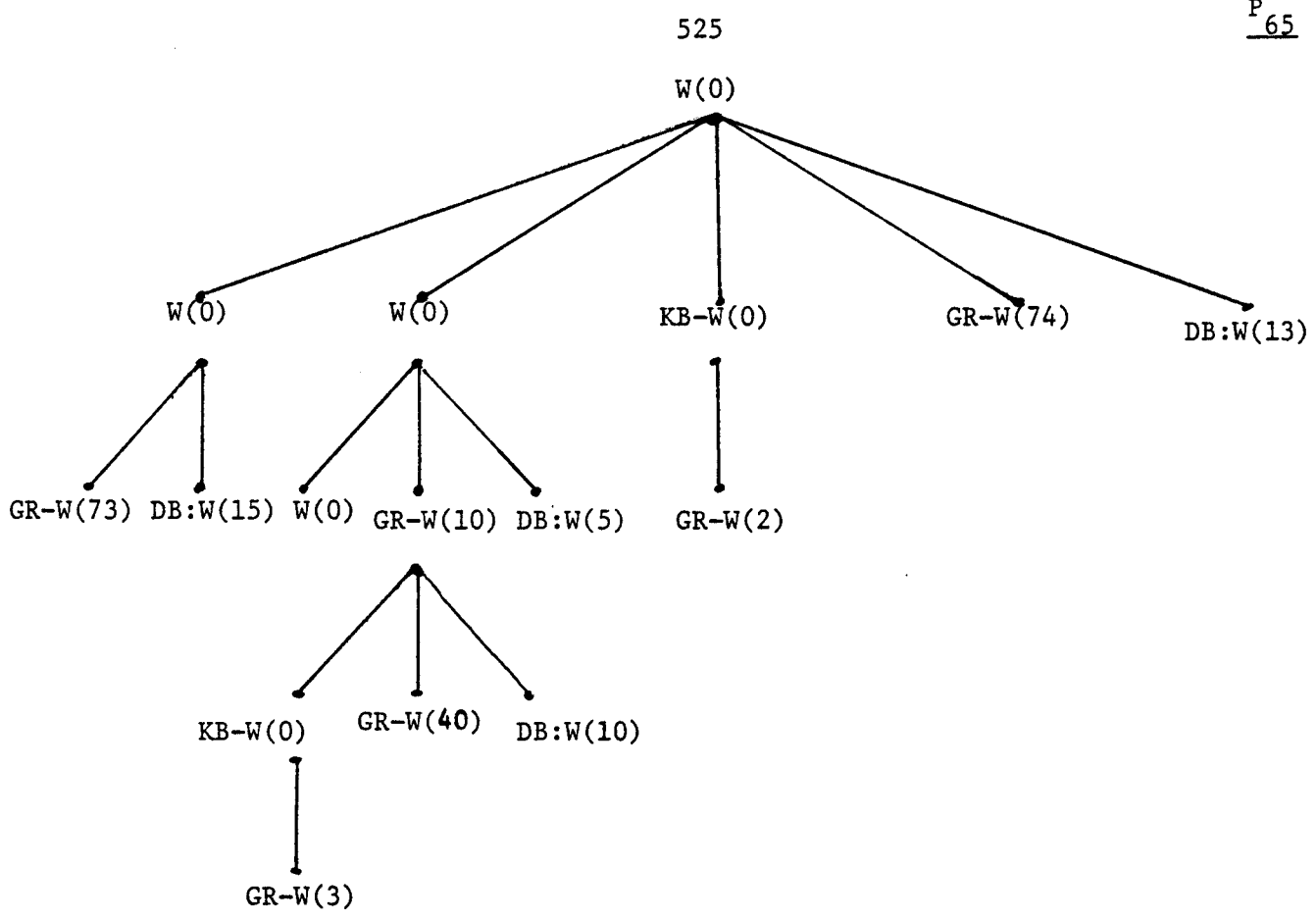


FIGURE 1