

FIGURE 8.2 – Planche 1.1 : problèmes 1 à 88 du solitaire français

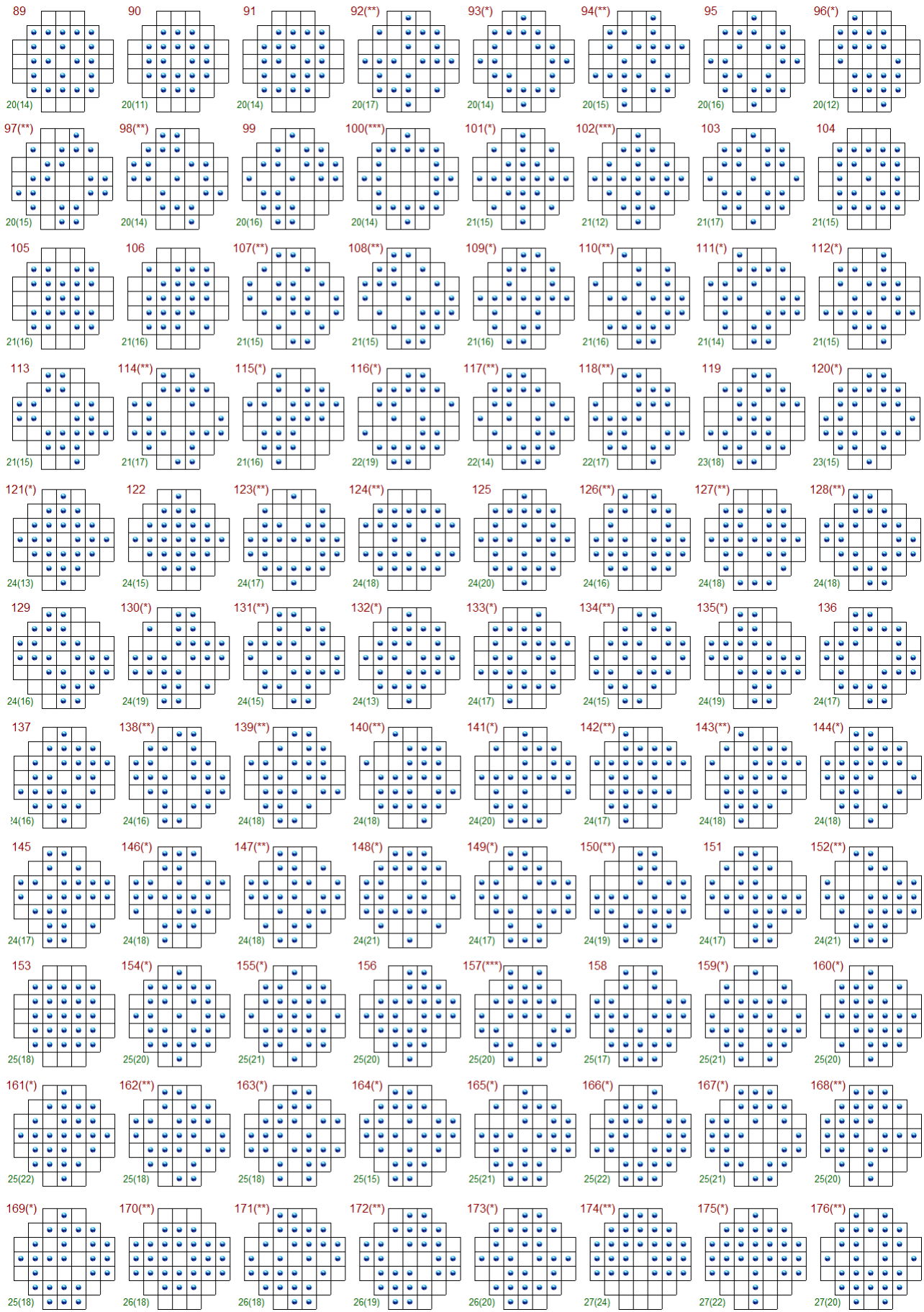


FIGURE 8.3 – Planche 1.2 : problèmes 89 à 176 du solitaire français



FIGURE 8.4 – Planche 1.3 : problèmes 177 à 252 du solitaire français

b. Solitaire anglais

Les Cent-cinquante-deux problèmes proposés pour ce plateau classique contiennent entre dix et trente boules. Comme précédemment, leur numéro est indiqué en rouge avec l'évaluation de la difficulté ; les nombres écrits en vert indiquent le nombre de boules et le nombre de coups de la solution proposée en annexe.

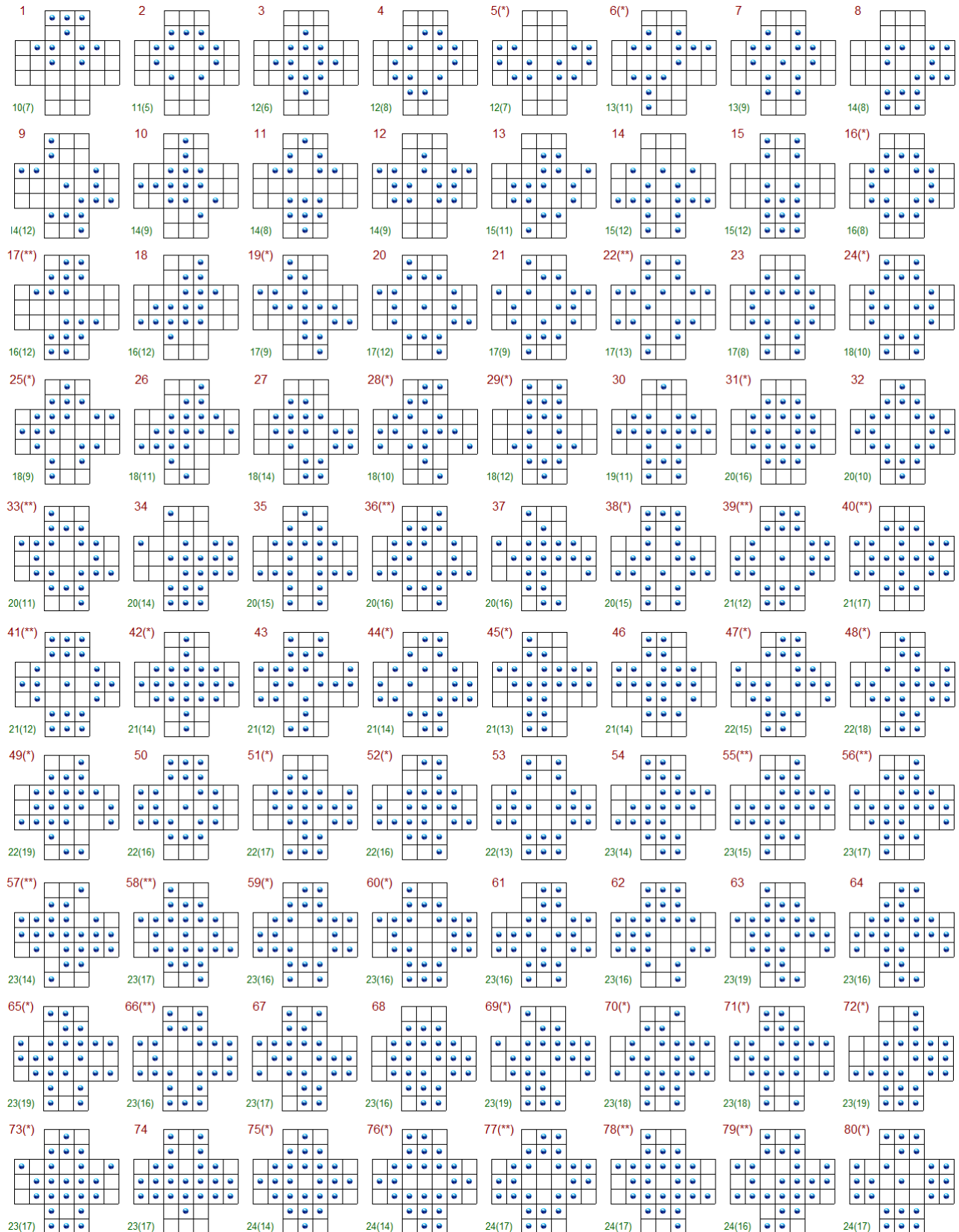


FIGURE 8.5 – Planche 2.1 : problèmes 1 à 80 du solitaire anglais

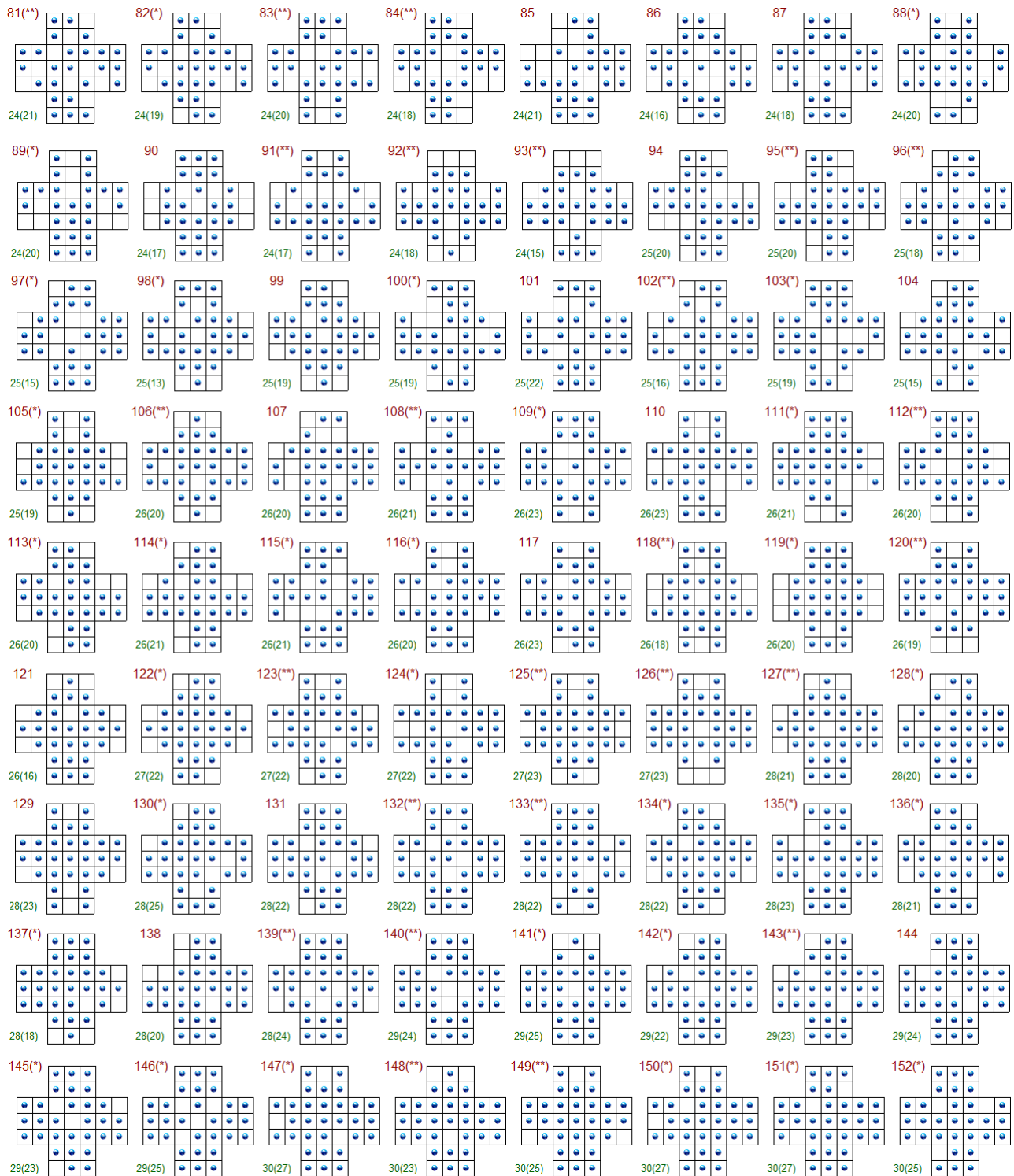


FIGURE 8.6 – Planche 2.2 : problèmes 81 à 152 du solitaire anglais

2. Les Solutions

a. Solitaire français

Planche 1.1

Ligne 1

- Fig.1 [6 boules, 4 coups] : 45/25, 43/45, 55/35, 25/45, 45/47
 Fig.2 [6 boules, 4 coups] : 46/44, 44/24, 42/44, 54/34, 34/14
 Fig.3 [8 boules, 6 coups] : 22/24, 43/23, 24/22, 26/24, 45/25, 25/23, 22/24
 Fig.4 [8 boules, 4 coups] : 46/44, 43/45, 42/22, 22/24, 24/26, 26/46, 45/47
 Fig.5 [9 boules, 6 coups] : 33/35, 35/55, 44/42, 63/43, 55/53, 53/33, 23/43, 43/41
 Fig.6 [9 boules, 6 coups] : 54/74, 34/54, 42/44, 44/64, 74/54, 46/44, 54/34, 34/14
 Fig.7 [9 boules, 4 coups] : 43/63, 15/35, 75/55, 63/65, 65/45, 45/25, 25/23, 23/43
 Fig.8 [9 boules, 6 coups] : 75/55, 56/54, 53/55, 55/35, 35/33, 23/43, 31/33, 43/23

Ligne 2

- Fig.9 [10 boules, 8 coups] : 24/26, 55/35, 34/36, 26/46, 63/65, 33/53, 53/55, 65/45, 46/44
 Fig.10 [10 boules, 5 coups] : 52/32, 22/42, 42/44, 44/24, 36/56, 66/46, 46/44, 54/34, 34/14
 Fig.11 [11 boules, 7 coups] : 46/66, 45/25, 37/35, 34/36, 57/37, 37/35, 25/45, 45/65, 66/64, 64/44
 Fig.12 [11 boules, 7 coups] : 43/23, 35/33, 23/43, 43/63, 44/64, 63/65, 46/44, 65/45, 45/43, 43/41
 Fig.13 [11 boules, 7 coups] : 47/45, 14/34, 53/33, 34/32, 32/52, 51/53, 53/55, 45/65, 65/63, 73/53
 Fig.14 [12 boules, 8 coups] : 46/44, 54/56, 34/54, 64/44, 43/45, 35/55, 56/54, 54/52, 52/32, 32/34, 24/44
 Fig.15 (*) [12 boules, 8 coups] : 54/56, 34/14, 63/43, 43/23, 66/46, 25/45, 46/44, 22/24, 14/34, 34/54, 54/74
 Fig.16 [12 boules, 7 coups] : 31/51, 51/53, 53/33, 46/44, 57/37, 37/35, 25/45, 45/43, 33/53, 63/43, 43/41

Ligne 3

- Fig.17 [12 boules, 7 coups] : 62/64, 64/44, 44/24, 53/33, 32/34, 34/36, 26/46, 56/36, 24/26, 26/46, 46/44
 Fig.18 [12 boules, 7 coups] : 25/45, 44/46, 36/56, 51/31, 31/33, 33/53, 53/55, 56/54, 73/75, 75/55, 54/56
 Fig.19 [12 boules, 9 coups] : 43/41, 75/55, 56/54, 54/52, 15/35, 36/34, 34/32, 22/42, 41/43, 62/42, 43/41
 Fig.20 [12 boules, 8 coups] : 14/34, 74/54, 22/42, 34/32, 42/22, 62/42, 54/52, 52/32, 22/42, 42/44, 44/46
 Fig.21 (*) [12 boules, 8 coups] : 34/36, 14/34, 44/24, 37/35, 54/56, 74/54, 57/55, 54/56, 56/36, 36/34, 34/14
 Fig.22 [12 boules, 9 coups] : 62/64, 64/44, 44/24, 66/64, 74/54, 14/34, 22/24, 24/44, 54/34, 26/24, 34/14
 Fig.23 [13 boules, 8 coups] : 36/56, 44/46, 46/66, 63/65, 66/64, 64/44, 25/23, 44/24, 24/22, 52/32, 22/42, 42/44
 Fig.24 [13 boules, 8 coups] : 24/44, 13/33, 32/34, 34/54, 54/52, 51/53, 46/44, 57/55, 65/45, 45/43, 43/63, 73/53

Ligne 4

- Fig.25 (**) [13 boules, 11 coups] : 44/46, 36/56, 66/46, 33/35, 25/45, 46/44, 44/42, 52/32, 55/53, 63/43, 22/42, 43/41
 Fig.26 [14 boules, 8 coups] : 63/65, 65/45, 45/43, 43/63, 23/25, 25/45, 66/46, 46/44, 26/46, 47/45, 45/43, 33/53, 63/43
 Fig.27 [14 boules, 9 coups] : 43/41, 46/26, 54/74, 66/64, 74/54, 54/34, 24/44, 26/24, 22/42, 41/43, 43/45, 45/25, 25/23
 Fig.28 [14 boules, 6 coups] : 24/26, 26/46, 44/24, 46/44, 44/42, 42/22, 23/43, 43/63, 63/65, 65/45, 45/25, 25/23, 22/24
 Fig.29 (*) [14 boules, 11 coups] : 43/63, 23/43, 62/64, 45/65, 25/45, 57/55, 55/75, 51/53, 43/63, 63/65, 75/55, 45/65, 66/64
 Fig.30 [14 boules, 10 coups] : 45/25, 33/35, 14/34, 34/36, 54/56, 66/46, 36/56, 26/24, 74/54, 53/55, 56/54, 54/34, 34/14
 Fig.31 [14 boules, 11 coups] : 14/34, 41/43, 43/23, 46/26, 34/36, 26/46, 37/57, 31/33, 23/43, 64/44, 43/45, 45/47, 57/37
 Fig.32 [14 boules, 11 coups] : 54/56, 35/55, 56/54, 54/52, 73/53, 52/54, 54/34, 31/33, 34/32, 13/33, 32/34, 37/35, 34/36

Ligne 5

- Fig.33 [14 boules, 11 coups] : 22/24, 14/34, 52/54, 32/52, 34/32, 31/33, 51/53, 54/52, 62/42, 41/43, 33/53, 53/73, 73/75
 Fig.34 [14 boules, 10 coups] : 55/53, 52/54, 47/45, 66/46, 46/44, 44/64, 33/35, 36/34, 41/43, 22/42, 42/44, 34/54, 64/44
 Fig.35 [14 boules, 10 coups] : 14/34, 34/32, 32/52, 47/45, 55/35, 43/45, 64/44, 52/54, 54/34, 34/36, 37/35, 45/25, 15/35
 Fig.36 [14 boules, 10 coups] : 37/35, 35/33, 14/34, 33/31, 62/42, 57/55, 55/53, 74/54, 54/52, 52/32, 31/33, 34/32, 22/42
 Fig.37 [15 boules, 11 coups] : 55/75, 31/33, 43/23, 52/32, 51/31, 31/33, 23/43, 35/55, 43/45, 45/65, 75/55, 47/45, 55/35, 35/15
 Fig.38 (*) [15 boules, 11 coups] : 35/15, 52/54, 54/74, 65/45, 23/43, 42/44, 22/42, 45/43, 42/44, 62/64, 74/54, 54/34, 34/14, 15/13
 Fig.39 [15 boules, 11 coups] : 22/24, 24/44, 54/34, 62/42, 42/22, 34/32, 22/42, 42/44, 63/43, 43/45, 66/46, 45/47, 26/46, 47/45
 Fig.40 (***) [15 boules, 11 coups] : 26/46, 56/36, 53/55, 73/53, 52/54, 54/56, 66/46, 46/26, 44/24, 23/25, 26/24, 32/34, 34/14, 13/15

Ligne 6

- Fig.41 [15 boules, 11 coups] : 31/33, 43/23, 34/14, 64/66, 25/45, 45/65, 66/64, 64/44, 22/24, 14/34, 34/54, 51/53, 54/52, 62/42
 Fig.42 [15 boules, 10 coups] : 45/47, 63/65, 24/26, 32/52, 51/53, 53/33, 33/35, 37/57, 57/55, 65/45, 45/25, 26/24, 54/34, 24/44
 Fig.43 [15 boules, 8 coups] : 32/52, 13/33, 47/45, 43/63, 14/34, 33/35, 35/55, 55/53, 52/54, 54/74, 57/55, 55/75, 75/73, 73/53

Fig.44 [15 boules, 11 coups] : 75/55, 54/56, 56/36, 22/42, 52/32, 31/33, 33/53, 63/43, 44/46, 36/56, 66/46, 24/44, 43/45, 45/47

Fig.45 (*) [15 boules, 9 coups] : 26/46, 47/45, 44/46, 46/66, 66/64, 74/54, 51/53, 54/52, 62/64, 15/35, 35/33, 33/53, 52/54, 54/74

Fig.46 [15 boules, 13 coups] : 34/32, 65/63, 31/33, 54/52, 33/53, 63/43, 25/23, 44/42, 46/44, 52/32, 51/31, 31/33, 23/43, 44/42

Fig.47 [15 boules, 11 coups] : 73/53, 56/54, 53/55, 13/33, 45/65, 65/63, 36/34, 33/35, 31/33, 51/53, 63/43, 43/23, 23/25, 35/15

Fig.48 [15 boules, 9 coups] : 42/22, 65/63, 63/43, 23/25, 15/35, 35/33, 43/23, 22/24, 14/34, 37/57, 57/55, 55/35, 34/36, 36/56

Ligne 7

Fig.49 [16 boules, 12 coups] : 46/66, 44/46, 36/56, 66/46, 64/66, 34/36, 46/26, 14/34, 26/24, 24/44, 44/64, 74/54, 54/56, 66/46, 47/45

Fig.50 (***) [16 boules, 8 coups] : 22/24, 62/64, 32/52, 24/44, 54/34, 26/46, 56/36, 66/64, 64/62, 62/42, 42/44, 44/46, 46/26, 26/24, 24/44

Fig.51 (**) [16 boules, 11 coups] : 24/22, 36/34, 33/35, 25/45, 45/47, 42/62, 22/42, 64/66, 62/64, 66/46, 47/45, 45/65, 65/63, 63/43, 42/44

Fig.52 [16 boules, 9 coups] : 53/33, 23/43, 66/46, 46/44, 43/45, 22/42, 42/62, 62/64, 64/66, 35/55, 54/56, 66/46, 46/26, 26/24, 34/14

Fig.53 [16 boules, 11 coups] : 45/47, 23/25, 43/41, 22/42, 41/43, 66/46, 47/45, 26/24, 24/44, 44/42, 65/63, 62/64, 64/44, 45/43, 43/41

Fig.54 [16 boules, 10 coups] : 34/36, 63/43, 55/53, 43/63, 24/22, 13/15, 15/35, 36/34, 34/32, 22/42, 75/73, 73/53, 65/63, 63/43, 43/41

Fig.55 [16 boules, 9 coups] : 46/66, 66/64, 64/62, 62/42, 42/22, 36/34, 34/14, 22/24, 14/34, 34/32, 55/53, 53/33, 32/34, 26/24, 34/14

Fig.56 [16 boules, 12 coups] : 37/35, 34/36, 15/35, 36/34, 32/52, 64/66, 66/46, 44/24, 46/44, 44/42, 52/32, 24/22, 22/42, 54/52, 42/62

Ligne 8

Fig.57 (*) [16 boules, 10 coups] : 36/56, 25/45, 31/33, 43/63, 75/55, 45/65, 64/44, 41/43, 33/53, 53/73, 73/75, 75/55, 56/54, 54/34, 34/14

Fig.58 (*) [16 boules, 13 coups] : 56/54, 43/41, 22/42, 52/32, 54/52, 32/34, 36/56, 34/36, 26/46, 46/44, 62/42, 41/43, 43/45, 66/46, 45/47

Fig.59 [16 boules, 11 coups] : 46/66, 32/52, 65/63, 23/25, 54/56, 66/46, 46/44, 44/42, 52/32, 26/24, 24/44, 32/34, 34/54, 62/64, 54/74

Fig.60 [17 boules, 13 coups] : 26/46, 65/45, 45/47, 23/43, 43/45, 66/46, 46/44, 22/42, 25/45, 44/46, 47/45, 63/43, 42/44, 45/43, 62/42, 43/41

Fig.61 [17 boules, 11 coups] : 46/66, 44/46, 46/26, 24/22, 26/24, 24/44, 43/45, 64/44, 66/64, 64/62, 45/43, 43/41, 62/42, 41/43, 22/42, 42/44

Fig.62 [17 boules, 10 coups] : 34/32, 42/22, 22/24, 24/26, 26/46, 56/36, 36/34, 45/65, 65/63, 73/53, 54/52, 34/54, 51/53, 54/52, 62/42, 42/44

Fig.63 [17 boules, 10 coups] : 51/53, 46/26, 63/43, 43/41, 24/22, 26/24, 22/42, 41/43, 65/63, 73/53, 53/33, 33/35, 35/55, 56/54, 54/34, 34/14

Fig.64 (*) [17 boules, 13 coups] : 54/56, 37/57, 57/55, 32/34, 52/32, 34/36, 31/33, 43/23, 65/45, 63/65, 75/55, 55/35, 36/34, 15/13, 13/33, 34/32

Ligne 9

Fig.65 (*) [17 boules, 12 coups] : 74/54, 44/64, 41/43, 14/34, 47/45, 66/46, 64/66, 36/56, 66/46, 46/44, 44/42, 22/24, 25/23, 42/22, 22/24, 24/44

Fig.66 (**) [17 boules, 9 coups] : 37/35, 51/31, 31/33, 25/45, 46/44, 73/75, 75/55, 63/65, 65/45, 45/43, 43/41, 62/42, 41/43, 43/23, 23/25, 15/35

Fig.67 (*) [17 boules, 10 coups] : 24/26, 13/33, 57/55, 36/56, 56/54, 54/34, 33/35, 75/55, 63/65, 65/45, 45/25, 26/24, 31/33, 52/32, 32/34, 34/14

Fig.68 (**) [18 boules, 12 coups] : 43/63, 13/15, 41/43, 43/23, 24/22, 22/42, 47/45, 45/25, 15/35, 54/56, 74/54, 57/55, 65/45, 35/55, 55/53, 63/43, 43/41

Fig.69 [18 boules, 15 coups] : 62/64, 65/63, 25/23, 44/64, 63/65, 36/56, 51/53, 43/63, 73/53, 75/55, 56/54, 53/55, 55/35, 35/33, 23/43, 31/33, 43/23

Fig.70 [18 boules, 12 coups] : 25/45, 45/47, 26/46, 47/45, 66/46, 54/56, 56/36, 73/53, 43/63, 23/25, 51/53, 63/43, 43/23, 22/24, 24/26, 26/46, 46/44

Fig.71 [18 boules, 9 coups] : 43/63, 41/43, 64/44, 44/24, 24/26, 26/46, 46/44, 43/45, 75/73, 73/53, 31/33, 23/43, 43/63, 62/64, 64/66, 66/46, 45/47

Fig.72 (**) [18 boules, 12 coups] : 62/42, 32/52, 54/34, 66/64, 64/62, 62/42, 42/44, 34/54, 25/23, 22/24, 14/34, 35/33, 47/45, 26/46, 46/44, 54/34, 34/32

Ligne 10

Fig.73 (**) [18 boules, 14 coups] : 25/45, 14/34, 31/33, 34/32, 75/55, 45/65, 47/45, 26/46, 46/44, 66/64, 74/54, 44/64, 64/62, 62/42, 41/43, 22/42, 43/41

Fig.74 (*) [18 boules, 13 coups] : 36/34, 74/54, 24/26, 47/45, 66/46, 46/44, 44/24, 23/25, 26/24, 14/34, 41/43, 53/33, 34/32, 22/42, 42/62, 62/64, 54/74
 Fig.75 (*) [18 boules, 13 coups] : 44/64, 57/37, 37/35, 34/36, 66/46, 36/56, 64/66, 66/46, 46/44, 44/42, 26/24, 14/34, 32/52, 13/33, 34/32, 22/42, 52/32
 Fig.76 (*) [19 boules, 14 coups] : 23/43, 25/23, 13/33, 43/23, 63/43, 65/63, 15/13, 13/33, 43/23, 73/53, 35/33, 23/43, 43/63, 75/73, 73/53, 45/65, 53/55, 55/75
 Fig.77 (***) [19 boules, 14 coups] : 54/52, 73/53, 52/54, 55/53, 75/55, 74/54, 44/64, 23/43, 43/63, 63/65, 65/45, 34/35, 15/35, 45/25, 13/15, 15/35, 36/34, 24/44
 Fig.78 [19 boules, 11 coups] : 26/46, 56/36, 45/43, 42/44, 44/64, 73/75, 75/55, 22/24, 24/44, 13/15, 15/35, 36/34, 34/54, 54/74, 62/64, 74/54, 54/56, 66/46
 Fig.79 (**) [19 boules, 15 coups] : 54/74, 62/64, 74/54, 31/33, 23/43, 43/41, 75/55, 54/56, 56/36, 51/53, 24/44, 45/43, 53/33, 15/35, 36/34, 34/32, 22/42, 41/43
 Fig.80 (*) [19 boules, 12 coups] : 54/52, 57/37, 37/35, 35/33, 43/23, 45/43, 51/53, 43/63, 73/53, 22/42, 13/33, 66/64, 26/24, 14/34, 34/32, 32/52, 52/54, 54/74

Ligne 11

Fig.81 (**) [19 boules, 15 coups] : 43/41, 23/43, 64/44, 43/45, 45/47, 66/46, 47/45, 45/65, 25/23, 31/51, 51/53, 63/43, 22/24, 36/34, 24/44, 43/45, 75/55, 45/65
 Fig.82 [19 boules, 13 coups] : 45/65, 22/24, 24/26, 26/46, 34/32, 56/36, 43/41, 64/44, 66/64, 37/35, 62/42, 32/52, 64/62, 62/42, 41/43, 43/45, 45/25, 15/35
 Fig.83 (**) [19 boules, 15 coups] : 23/25, 32/52, 73/75, 55/35, 25/45, 45/47, 66/46, 47/45, 75/55, 45/65, 65/63, 62/64, 34/32, 51/53, 22/42, 41/43, 43/63, 64/62
 Fig.84 [19 boules, 8 coups] : 43/45, 15/35, 45/25, 13/33, 33/31, 31/51, 51/53, 53/55, 55/75, 75/73, 73/53, 37/35, 25/45, 57/55, 45/65, 65/63, 63/43, 43/41
 Fig.85 [19 boules, 10 coups] : 54/74, 32/52, 62/42, 42/44, 44/24, 24/26, 26/46, 46/66, 66/64, 74/54, 54/56, 35/55, 56/54, 54/52, 23/43, 51/53, 43/63, 73/53
 Fig.86 [19 boules, 13 coups] : 36/34, 24/44, 44/42, 42/22, 51/53, 63/43, 43/23, 22/24, 47/45, 55/53, 14/34, 26/24, 24/44, 45/43, 43/63, 62/64, 65/63, 73/53
 Fig.87 [19 boules, 16 coups] : 63/65, 34/32, 42/22, 55/75, 75/73, 62/42, 41/43, 43/63, 73/53, 25/23, 22/24, 14/34, 46/44, 26/46, 34/54, 53/55, 47/45, 55/35
 Fig.88 (*) [20 boules, 11 coups] : 32/34, 55/57, 57/37, 35/15, 37/35, 34/36, 36/56, 15/13, 13/33, 52/54, 64/44, 41/43, 33/53, 53/73, 73/75, 75/55, 56/54, 54/34, 34/14

Planche 1.2

Ligne 12

Fig.89 [20 boules, 14 coups] : 45/47, 26/46, 47/45, 24/26, 22/24, 24/44, 44/46, 43/41, 62/42, 32/52, 56/36, 26/46, 64/44, 66/64, 64/62, 62/42, 41/43, 43/45, 46/44
 Fig.90 [20 boules, 11 coups] : 45/47, 65/45, 43/41, 24/26, 45/25, 26/24, 24/22, 22/42, 41/43, 43/23, 53/55, 55/57, 57/37, 37/35, 35/33, 23/43, 64/62, 62/42, 43/41
 Fig.91 [20 boules, 14 coups] : 46/44, 66/46, 46/26, 25/45, 44/46, 23/25, 26/24, 24/44, 42/62, 44/42, 63/43, 43/41, 65/63, 22/42, 41/43, 62/64, 64/44, 43/45, 45/47
 Fig.92 (**) [20 boules, 17 coups] : 64/44, 56/36, 44/46, 47/45, 26/46, 46/44, 66/64, 74/54, 44/64, 24/44, 22/24, 14/34, 34/54, 64/44, 32/52, 44/42, 41/43, 62/42, 43/41
 Fig.93 (*) [20 boules, 14 coups] : 42/22, 47/45, 14/34, 22/24, 24/44, 44/46, 46/66, 65/45, 63/65, 66/64, 62/42, 74/54, 41/43, 33/53, 53/55, 55/35, 36/34, 26/24, 34/14
 Fig.94 (**) [20 boules, 15 coups] : 62/64, 64/44, 34/54, 32/34, 55/53, 75/55, 55/35, 25/45, 52/54, 57/55, 45/65, 26/46, 13/33, 34/32, 31/33, 33/53, 53/55, 65/45, 45/47
 Fig.95 [20 boules, 16 coups] : 23/25, 25/45, 65/63, 45/65, 63/43, 43/23, 47/45, 26/46, 46/44, 22/24, 14/34, 44/24, 66/64, 74/54, 41/43, 62/42, 42/44, 54/34, 24/44
 Fig.96 (*) [20 boules, 12 coups] : 45/47, 32/34, 34/14, 53/33, 25/45, 45/65, 64/66, 66/46, 47/45, 62/64, 51/53, 37/35, 45/25, 26/24, 14/34, 34/32, 32/52, 52/54, 54/74

Ligne 13

Fig.97 (**) [20 boules, 15 coups] : 73/53, 34/14, 45/47, 57/55, 13/33, 74/54, 54/56, 41/43, 43/63, 66/46, 47/45, 45/25, 26/24, 14/34, 34/32, 51/53, 63/43, 22/42, 43/41
 Fig.98 (**) [20 boules, 14 coups] : 65/45, 45/43, 43/23, 15/35, 23/25, 25/45, 73/53, 37/35, 45/25, 47/45, 52/54, 64/44, 45/43, 43/41, 51/31, 31/33, 26/24, 14/34, 34/32
 Fig.99 [20 boules, 16 coups] : 25/45, 45/43, 31/51, 43/41, 23/43, 51/31, 31/33, 43/23, 74/54, 55/57, 75/55, 54/56, 57/37, 37/35, 22/24, 14/34, 34/36, 66/46, 36/56
 Fig.100 (***) [20 boules, 14 coups] : 74/54, 66/64, 63/65, 46/66, 66/64, 64/44, 41/43, 62/42, 43/45, 14/34, 22/24, 25/23, 42/22, 22/24, 24/44, 44/46, 47/45, 26/46, 45/47
 Fig.101 (*) [21 boules, 15 coups] : 43/63, 63/65, 66/64, 55/53, 74/54, 54/52, 52/32, 45/43, 24/44, 44/42, 32/52, 62/42, 41/43, 43/23, 47/45, 45/25, 22/24, 14/34, 26/24, 34/14
 Fig.102 (***) [21 boules, 12 coups] : 46/66, 42/62, 44/46, 47/45, 64/44, 66/64, 44/42, 41/43, 24/44, 44/42, 42/22, 22/24, 14/34, 74/54, 62/64, 64/44, 44/46, 46/26, 26/24, 24/44
 Fig.103 [21 boules, 17 coups] : 55/57, 57/37, 23/43, 44/42, 41/43, 52/54, 26/24, 14/34, 35/33, 43/23, 37/35, 22/42, 62/64, 64/44, 66/64, 74/54, 54/34, 35/33, 23/43, 43/41

Fig.104 [21 boules, 15 coups] : 32/34, 34/54, 54/74, 52/32, 25/45, 45/47, 62/64, 74/54, 54/52, 66/64, 56/54, 64/44, 26/46, 47/45, 45/43, 22/42, 52/32, 24/22, 22/42, 43/41

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Fig.105 [21 boules, 16 coups] : 26/46, 62/42, 54/52, 43/41, 66/64, 46/66, 64/62, 62/42, 41/43, 45/65, 66/64, 43/45, 22/24, 24/26, 45/25, 26/24, 24/44, 32/34, 34/54, 64/44

Fig.106 [21 boules, 16 coups] : 43/41, 55/57, 54/74, 66/64, 74/54, 54/52, 62/42, 41/43, 34/36, 32/34, 34/14, 36/56, 57/55, 55/35, 43/45, 45/25, 26/24, 14/34, 22/24, 34/14

Fig.107 (**) [21 boules, 15 coups] : 43/63, 45/43, 15/13, 13/33, 43/23, 51/31, 31/33, 23/43, 37/57, 57/55, 54/56, 34/36, 26/46, 46/66, 66/64, 74/54, 73/53, 54/52, 62/42, 43/41

Fig.108 (**) [21 boules, 15 coups] : 36/34, 34/54, 37/57, 57/55, 54/56, 73/75, 75/55, 56/54, 63/43, 62/42, 42/44, 54/34, 51/31, 31/33, 34/32, 15/13, 13/33, 32/34, 26/24, 34/14

Fig.109 (*) [21 boules, 16 coups] : 52/32, 57/37, 35/33, 32/34, 37/35, 34/36, 36/56, 66/46, 54/34, 74/54, 54/52, 31/51, 51/53, 24/44, 22/24, 14/34, 34/54, 53/55, 65/45, 46/44

Fig.110 (**) [21 boules, 16 coups] : 42/44, 45/43, 22/42, 52/32, 51/31, 31/33, 43/23, 23/25, 15/35, 34/36, 36/56, 66/46, 73/75, 54/74, 62/64, 74/54, 75/55, 54/56, 56/36, 37/35

Fig.111 (*) [21 boules, 14 coups] : 63/65, 41/43, 43/63, 51/53, 63/43, 66/64, 34/14, 37/35, 35/55, 55/57, 15/35, 74/54, 22/24, 14/34, 34/36, 36/56, 57/55, 55/53, 43/63, 73/53

Fig.112 (*) [21 boules, 15 coups] : 43/41, 64/44, 56/54, 44/46, 36/56, 26/24, 24/22, 22/42, 41/43, 43/23, 13/33, 33/35, 57/55, 65/45, 35/55, 55/53, 63/43, 51/53, 43/63, 73/53

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Fig.113 [21 boules, 15 coups] : 47/45, 14/34, 15/35, 45/25, 65/45, 33/31, 42/44, 45/43, 53/55, 73/53, 53/33, 34/32, 31/33, 51/53, 37/35, 25/45, 45/65, 65/63, 63/43, 43/23

Fig.114 (**) [21 boules, 17 coups] : 15/35, 36/34, 34/32, 22/42, 41/43, 52/54, 13/33, 43/23, 23/25, 56/36, 54/56, 57/55, 37/35, 25/45, 45/65, 66/64, 74/54, 73/53, 54/52, 51/53

Fig.115 (*) [21 boules, 16 coups] : 15/35, 43/41, 23/43, 35/33, 43/23, 45/43, 64/44, 44/42, 56/54, 41/43, 37/35, 75/55, 54/56, 66/46, 22/24, 31/33, 43/23, 23/25, 25/45, 45/47

Fig.116 (*) [22 boules, 19 coups] : 41/43, 25/45, 31/33, 43/23, 57/55, 45/65, 47/45, 13/33, 34/32, 63/43, 75/55, 45/65, 22/42, 43/41, 66/64, 64/44, 62/42, 41/43, 43/45, 26/46, 45/47

Fig.117 (**) [22 boules, 14 coups] : 47/45, 41/43, 53/73, 73/75, 75/55, 45/65, 26/46, 34/36, 37/35, 35/15, 15/13, 13/33, 32/34, 46/66, 66/64, 64/44, 34/54, 51/53, 54/52, 62/42, 43/41

Fig.118 (**) [22 boules, 17 coups] : 56/36, 37/35, 44/46, 47/45, 45/25, 23/43, 25/23, 66/64, 63/65, 65/45, 15/13, 13/33, 43/23, 22/24, 24/44, 45/43, 62/42, 32/52, 51/53, 43/63, 73/53

Fig.119 [23 boules, 18 coups] : 43/63, 26/46, 56/36, 44/46, 36/56, 62/42, 32/52, 57/37, 31/51, 51/53, 63/43, 34/36, 37/35, 66/46, 13/33, 43/23, 22/24, 75/55, 54/56, 56/36, 36/34, 34/14

Fig.120 (*) [23 boules, 15 coups] : 14/34, 63/43, 66/64, 46/66, 33/31, 31/51, 51/53, 43/63, 63/65, 66/64, 74/54, 54/56, 22/24, 34/14, 26/46, 56/36, 36/34, 13/15, 15/35, 34/36, 57/37, 37/35

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Fig.121 (*) [24 boules, 13 coups] : 42/62, 35/15, 15/13, 24/22, 22/42, 42/44, 45/43, 43/23, 13/33, 33/35, 35/37, 37/57, 55/75, 57/55, 75/73, 54/52, 62/42, 41/43, 73/53, 43/63, 63/65, 65/45, 45/47

Fig.122 [24 boules, 15 coups] : 53/73, 73/75, 64/66, 33/31, 52/32, 31/33, 34/32, 36/34, 56/36, 44/46, 36/56, 66/46, 47/45, 45/65, 75/55, 55/53, 53/33, 33/13, 13/15, 15/35, 35/33, 32/34, 34/14

Fig.123 (**) [24 boules, 17 coups] : 55/53, 74/54, 53/51, 51/31, 31/33, 23/43, 43/41, 62/64, 54/74, 25/23, 34/54, 73/75, 75/55, 54/56, 13/33, 66/46, 47/45, 45/25, 26/24, 14/34, 34/32, 22/42, 41/43

Fig.124 (**) [24 boules, 18 coups] : 45/47, 43/41, 66/46, 47/45, 22/42, 41/43, 62/64, 54/74, 33/53, 52/54, 75/55, 45/65, 26/46, 13/33, 34/32, 73/75, 75/55, 54/56, 56/36, 36/34, 15/35, 35/33, 33/31

Fig.125 [24 boules, 20 coups] : 42/44, 22/42, 52/32, 24/22, 44/24, 64/44, 66/64, 46/66, 44/46, 36/56, 66/46, 47/45, 74/54, 62/64, 64/44, 44/46, 22/42, 41/43, 14/34, 26/24, 24/44, 43/45, 46/44

Fig.126 (**) [24 boules, 16 coups] : 22/42, 13/15, 15/35, 23/43, 42/44, 35/33, 53/55, 74/54, 54/34, 34/14, 65/45, 37/35, 45/25, 57/55, 62/42, 73/53, 26/24, 14/34, 34/32, 32/52, 52/54, 54/56, 66/46

Fig.127 (**) [24 boules, 18 coups] : 34/32, 22/42, 54/52, 56/54, 54/34, 74/54, 52/32, 31/33, 34/32, 51/31, 31/33, 33/13, 13/15, 26/46, 62/64, 54/74, 66/64, 74/54, 25/45, 46/44, 54/34, 34/14, 15/13

Fig.128 (**) [24 boules, 18 coups] : 24/26, 32/34, 74/54, 41/43, 53/33, 34/32, 51/53, 54/52, 56/54, 37/57, 36/56, 57/55, 54/56, 73/53, 52/54, 15/13, 13/33, 32/34, 34/36, 26/46, 46/66, 66/64, 64/44

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Fig.129 [24 boules, 16 coups] : 43/23, 52/32, 54/56, 73/75, 51/31, 31/33, 23/43, 37/57, 57/55, 36/56, 56/54, 54/74, 75/73, 73/53, 43/63, 62/64, 15/35, 34/36, 14/34, 26/46, 46/44, 34/54, 54/74

Fig.130 (*) [24 boules, 19 coups] : 56/36, 54/56, 74/54, 26/46, 56/36, 75/55, 54/56, 23/25, 33/35, 36/34, 32/52, 57/37, 31/51, 51/53, 43/63, 62/64, 13/15, 15/35, 34/36, 37/35, 35/55, 56/54, 54/74

Fig.131 (**) [24 boules, 15 coups] : 15/13, 13/33, 33/31, 66/46, 36/56, 34/36, 53/33, 37/57, 57/55, 54/56, 73/75, 75/55, 56/54, 51/53, 54/52, 31/51, 51/53, 63/43, 43/23, 22/24, 24/26, 26/46, 46/44

Fig.132 (*) [24 boules, 13 coups] : 46/26, 42/62, 54/52, 62/42, 42/44, 44/46, 22/42, 47/45, 74/54, 41/43, 66/64, 63/65, 35/33, 14/34, 34/32, 26/24, 24/22, 22/42, 42/44, 44/46, 46/66, 66/64, 64/44

Fig.133 (*) [24 boules, 17 coups] : 34/14, 32/34, 26/24, 23/25, 64/66, 43/41, 31/51, 51/53, 63/43, 45/65, 75/55, 55/53, 43/63, 57/55, 36/56, 66/46, 62/64, 13/15, 15/35, 34/36, 36/56, 56/54, 54/74

Fig.134 (**) [24 boules, 15 coups] : 53/33, 23/43, 57/55, 54/56, 35/37, 37/57, 57/55, 55/35, 34/36, 22/42, 42/44, 13/15, 15/35, 36/34, 34/54, 31/51, 51/53, 54/52, 75/73, 73/53, 52/54, 66/64, 54/74
 Fig.135 (*) [24 boules, 19 coups] : 43/23, 63/43, 73/75, 15/13, 13/33, 43/23, 51/53, 24/26, 37/57, 45/65, 75/55, 41/43, 53/33, 23/43, 55/53, 43/63, 63/65, 36/56, 57/55, 65/45, 45/25, 26/24, 24/44
 Fig.136 [24 boules, 17 coups] : 41/43, 74/54, 24/26, 36/34, 37/57, 57/55, 54/56, 56/36, 26/46, 66/64, 63/65, 43/63, 73/53, 52/54, 22/42, 15/13, 13/33, 34/32, 32/52, 51/53, 53/55, 65/45, 45/47

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Fig.137 [24 boules, 16 coups] : 42/44, 45/43, 65/45, 24/26, 54/74, 75/73, 73/53, 43/63, 22/24, 24/44, 45/43, 43/23, 13/33, 33/31, 31/51, 51/53, 63/43, 47/45, 26/46, 46/44, 43/45, 66/46, 45/47
 Fig.138 (**) [24 boules, 16 coups] : 65/45, 57/37, 37/35, 34/36, 32/34, 62/42, 63/65, 73/75, 75/55, 45/65, 26/46, 56/36, 24/26, 26/46, 31/51, 15/13, 13/33, 34/32, 32/52, 51/53, 53/55, 65/45, 45/47
 Fig.139 (**) [24 boules, 18 coups] : 34/14, 22/24, 14/34, 57/37, 37/35, 34/36, 15/35, 36/34, 73/53, 53/51, 65/63, 45/65, 33/53, 63/43, 31/33, 34/32, 51/31, 31/33, 33/53, 53/55, 56/54, 66/64, 54/74
 Fig.140 (**) [24 boules, 18 coups] : 73/53, 23/25, 54/74, 52/54, 32/52, 56/36, 54/56, 62/42, 15/35, 35/55, 56/54, 37/35, 33/53, 54/52, 52/32, 22/42, 35/33, 66/64, 74/54, 54/34, 34/32, 32/52, 51/53
 Fig.141 (*) [24 boules, 20 coups] : 75/55, 45/65, 65/63, 32/52, 44/64, 63/65, 51/53, 43/63, 31/51, 56/36, 26/46, 24/44, 22/24, 14/34, 34/54, 73/53, 54/52, 51/53, 47/45, 66/64, 74/54, 53/55, 55/35
 Fig.142 (**) [24 boules, 17 coups] : 46/44, 25/45, 44/42, 42/62, 62/64, 65/63, 45/65, 63/43, 23/25, 43/23, 31/33, 23/43, 15/35, 35/33, 43/23, 37/35, 66/46, 22/24, 75/55, 54/56, 56/36, 36/34, 34/14
 Fig.143 (**) [24 boules, 18 coups] : 23/25, 56/36, 54/56, 15/35, 35/55, 56/54, 54/74, 34/54, 32/34, 52/32, 31/33, 34/32, 22/42, 42/44, 44/64, 74/54, 26/46, 66/64, 63/65, 75/55, 54/56, 56/36, 37/35
 Fig.144 (*) [24 boules, 18 coups] : 34/54, 33/31, 31/51, 51/53, 54/52, 55/57, 36/56, 57/55, 55/75, 75/73, 73/53, 52/54, 35/55, 54/56, 66/46, 14/34, 47/45, 15/35, 34/36, 37/35, 45/25, 22/24, 25/23

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Fig.145 [24 boules, 17 coups] : 37/57, 65/63, 15/13, 42/22, 34/32, 13/33, 43/23, 22/24, 24/26, 26/46, 56/36, 75/73, 73/53, 54/56, 57/55, 55/35, 36/34, 34/54, 54/52, 31/33, 62/42, 41/43, 33/53
 Fig.146 (*) [24 boules, 18 coups] : 36/56, 54/74, 34/54, 57/55, 54/56, 15/35, 35/55, 65/45, 75/73, 14/34, 42/62, 62/64, 43/63, 73/53, 37/57, 57/55, 45/65, 65/63, 63/43, 31/33, 43/23, 13/33, 34/32
 Fig.147 (**) [24 boules, 18 coups] : 25/23, 23/43, 63/65, 43/63, 45/43, 65/45, 52/32, 36/56, 31/33, 43/23, 75/73, 73/53, 37/57, 57/55, 45/65, 66/64, 15/13, 13/33, 34/32, 22/42, 41/43, 43/63, 63/65
 Fig.148 (*) [24 boules, 21 coups] : 54/34, 34/32, 56/54, 36/56, 57/55, 54/56, 43/63, 37/57, 57/55, 62/64, 74/54, 54/56, 22/42, 41/43, 13/33, 43/23, 66/46, 14/34, 26/24, 23/25, 15/35, 34/36, 46/26
 Fig.149 (*) [24 boules, 17 coups] : 14/34, 34/54, 47/45, 32/34, 37/35, 34/36, 63/43, 51/53, 54/52, 31/51, 51/53, 53/33, 23/43, 56/54, 75/55, 45/65, 73/75, 75/55, 55/53, 53/33, 15/35, 36/34, 34/32
 Fig.150 (**) [24 boules, 19 coups] : 75/55, 55/35, 35/33, 32/34, 47/45, 13/33, 34/32, 14/34, 31/33, 34/32, 57/55, 45/65, 73/75, 75/55, 54/56, 51/31, 31/33, 52/54, 33/53, 53/55, 56/54, 62/64, 54/74
 Fig.151 [24 boules, 17 coups] : 15/13, 13/33, 37/57, 57/55, 54/56, 56/36, 43/23, 23/25, 51/31, 26/46, 34/54, 46/44, 25/45, 45/43, 43/41, 31/51, 73/75, 54/74, 52/54, 75/73, 73/53, 54/52, 51/53
 Fig.152 (**) [24 boules, 21 coups] : 56/36, 54/34, 74/54, 31/33, 34/32, 53/33, 32/34, 37/57, 41/43, 73/53, 43/63, 75/55, 54/56, 57/55, 24/44, 51/53, 63/43, 43/45, 55/35, 36/34, 15/13, 13/33, 34/32

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Fig.153 [25 boules, 18 coups] : 45/47, 66/46, 47/45, 43/41, 45/43, 62/42, 42/44, 23/43, 43/45, 24/44, 45/43, 25/45, 64/62, 43/63, 62/64, 64/66, 45/65, 66/64, 64/44, 26/46, 22/42, 41/43, 43/45, 45/47
 Fig.154 (*) [25 boules, 20 coups] : 63/43, 43/45, 14/34, 26/24, 24/44, 45/43, 32/34, 47/45, 66/46, 46/26, 34/36, 26/46, 46/44, 43/45, 64/66, 45/65, 66/64, 74/54, 41/43, 62/42, 42/44, 54/34, 22/24, 34/14
 Fig.155 (*) [25 boules, 21 coups] : 33/13, 13/15, 53/51, 51/31, 31/33, 34/32, 54/34, 62/64, 35/37, 15/35, 34/36, 37/35, 45/25, 26/24, 66/46, 47/45, 64/66, 45/65, 66/64, 74/54, 22/42, 42/44, 54/34, 24/44
 Fig.156 [25 boules, 20 coups] : 24/22, 42/62, 22/42, 42/44, 44/24, 24/26, 54/52, 62/42, 45/25, 47/45, 26/24, 74/54, 55/35, 57/55, 54/56, 14/34, 34/36, 66/46, 36/56, 75/55, 56/54, 41/43, 33/53, 54/52
 Fig.157 (***) [25 boules, 20 coups] : 45/47, 65/45, 45/43, 73/53, 43/63, 57/55, 54/56, 35/33, 23/43, 37/57, 57/55, 62/64, 74/54, 55/53, 43/63, 31/33, 13/15, 15/35, 36/34, 34/32, 51/53, 63/43, 22/42, 43/41
 Fig.158 [25 boules, 17 coups] : 15/13, 13/33, 33/53, 63/43, 51/53, 43/63, 37/35, 35/15, 41/43, 31/33, 43/23, 23/25, 15/35, 35/33, 57/55, 54/56, 74/54, 62/64, 64/44, 75/55, 56/54, 54/34, 34/32, 22/42
 Fig.159 (*) [25 boules, 21 coups] : 54/56, 73/75, 75/55, 56/54, 13/15, 34/36, 54/34, 15/35, 35/55, 23/43, 26/46, 47/45, 45/65, 66/64, 63/65, 43/63, 62/64, 65/63, 31/33, 34/32, 51/53, 63/43, 22/42, 43/41
 Fig.160 (*) [25 boules, 20 coups] : 34/32, 53/73, 73/75, 54/34, 36/56, 66/46, 46/44, 34/36, 43/45, 41/43, 45/65, 75/55, 62/42, 32/52, 25/23, 26/46, 47/45, 55/35, 22/24, 14/34, 35/33, 33/53, 52/54, 54/74

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Fig.161 (*) [25 boules, 22 coups] : 46/26, 64/62, 44/64, 74/54, 24/44, 26/24, 54/34, 24/44, 44/46, 65/45, 46/44, 22/24, 14/34, 44/24, 32/34, 24/44, 66/46, 47/45, 44/46, 42/44, 62/42, 41/43, 43/45, 46/44
 Fig.162 (**) [25 boules, 18 coups] : 22/24, 25/23, 33/35, 54/34, 45/25, 51/31, 31/33, 34/32, 73/75, 55/57, 75/55, 15/13, 13/33, 32/34, 37/35, 34/36, 57/37, 37/35, 25/45, 45/65, 66/64, 64/62, 62/42, 43/41
 Fig.163 (*) [25 boules, 18 coups] : 57/55, 62/64, 65/63, 31/33, 34/32, 45/65, 75/55, 25/45, 55/35, 35/37, 37/57, 23/25, 13/15, 15/35, 53/33, 32/34, 34/36, 36/56, 57/55, 55/53, 63/43, 51/53, 43/63, 73/53

Fig.164 (*) [25 boules, 15 coups] : 37/57, 57/55, 36/56, 55/57, 42/44, 44/46, 75/73, 73/53, 65/63, 63/43, 31/33, 34/32, 14/34, 26/24, 23/25, 15/35, 34/36, 36/56, 57/55, 55/53, 53/51, 51/31, 31/33, 33/53
 Fig.165 (*) [25 boules, 21 coups] : 24/44, 56/36, 44/46, 36/56, 66/46, 22/24, 31/33, 33/53, 41/43, 53/55, 74/54, 54/56, 56/36, 75/55, 26/46, 47/45, 55/35, 73/53, 43/63, 51/53, 63/43, 14/34, 35/33, 43/23
 Fig.166 (*) [25 boules, 22 coups] : 13/33, 74/54, 57/55, 54/56, 34/14, 32/34, 46/26, 34/36, 26/24, 14/34, 41/43, 53/33, 34/32, 31/33, 73/53, 75/55, 56/54, 53/55, 55/35, 36/34, 34/32, 62/42, 32/52, 51/53
 Fig.167 (*) [25 boules, 21 coups] : 66/64, 73/53, 74/54, 53/55, 56/54, 36/56, 62/42, 32/52, 13/33, 34/32, 14/34, 57/55, 54/56, 37/57, 57/55, 55/35, 34/36, 15/35, 36/34, 22/42, 52/32, 51/31, 31/33, 34/32
 Fig.168 (**) [25 boules, 20 coups] : 35/55, 47/45, 55/35, 25/45, 37/35, 45/25, 57/55, 54/56, 24/44, 13/33, 15/35, 66/46, 43/23, 41/43, 43/45, 45/47, 74/54, 53/55, 22/24, 14/34, 34/36, 26/46, 47/45, 45/65

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Fig.169 (*) [25 boules, 18 coups] : 74/54, 46/26, 51/53, 54/52, 34/54, 14/34, 22/24, 24/44, 44/46, 56/36, 26/46, 47/45, 73/53, 53/55, 55/35, 25/45, 31/51, 51/53, 32/52, 52/54, 75/55, 45/65, 66/64, 54/74
 Fig.170 (**) [26 boules, 18 coups] : 33/31, 52/32, 31/33, 54/52, 33/53, 63/43, 65/63, 13/33, 43/23, 15/13, 13/33, 25/23, 23/43, 46/66, 45/25, 73/53, 43/63, 75/73, 73/53, 52/54, 54/56, 66/46, 46/26, 26/24, 24/44
 Fig.171 (**) [26 boules, 18 coups] : 75/73, 73/53, 37/57, 13/15, 15/35, 35/37, 22/24, 24/44, 54/34, 52/54, 32/52, 34/32, 45/47, 65/45, 57/55, 54/56, 37/57, 57/55, 45/65, 66/64, 51/31, 31/33, 33/53, 52/54, 54/74
 Fig.172 (**) [26 boules, 19 coups] : 46/44, 42/62, 44/42, 41/43, 32/34, 56/54, 73/75, 54/74, 62/64, 74/54, 75/55, 54/56, 15/35, 35/33, 14/34, 34/32, 57/37, 37/35, 22/24, 66/46, 31/33, 43/23, 23/25, 25/45, 45/47
 Fig.173 (*) [26 boules, 20 coups] : 46/44, 26/46, 25/23, 44/24, 32/34, 24/44, 22/24, 14/34, 44/24, 52/32, 56/36, 64/44, 44/42, 41/43, 57/37, 37/35, 31/33, 43/23, 23/25, 25/45, 45/65, 66/64, 74/54, 62/64, 54/74
 Fig.174 (**) [27 boules, 24 coups] : 54/52, 34/32, 14/34, 73/53, 52/54, 55/53, 46/44, 34/54, 54/52, 36/34, 15/35, 34/36, 13/33, 32/34, 65/63, 37/35, 34/36, 26/46, 47/45, 57/55, 45/65, 75/73, 73/53, 52/54, 66/64, 54/74
 Fig.175 (*) [27 boules, 22 coups] : 73/53, 65/63, 45/65, 47/45, 66/46, 45/47, 26/46, 47/45, 44/64, 64/62, 43/63, 62/64, 65/63, 34/36, 75/73, 73/53, 24/22, 15/35, 45/25, 41/43, 53/33, 13/15, 15/35, 36/34, 34/32, 22/42
 Fig.176 (**) [27 boules, 20 coups] : 26/24, 24/44, 44/64, 22/24, 14/34, 52/54, 64/44, 34/54, 32/52, 51/53, 54/52, 36/34, 34/32, 31/33, 33/53, 52/54, 65/45, 45/47, 57/55, 54/56, 37/57, 57/55, 62/64, 74/54, 54/56, 66/46

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Fig.177 [27 boules, 22 coups] : 37/35, 57/37, 35/33, 43/23, 63/43, 75/55, 54/56, 56/36, 37/35, 35/55, 74/54, 55/53, 53/33, 23/43, 25/23, 13/33, 43/23, 41/43, 15/13, 13/33, 43/23, 31/33, 23/43, 51/53, 43/63, 73/53
 Fig.178 [27 boules, 23 coups] : 64/62, 52/32, 22/42, 37/35, 56/36, 57/37, 33/53, 35/33, 37/35, 41/43, 43/63, 62/64, 14/34, 34/36, 15/35, 36/34, 33/35, 45/25, 13/33, 54/34, 74/54, 54/56, 33/35, 25/45, 66/46, 45/47
 Fig.179 (**) [27 boules, 19 coups] : 56/36, 23/25, 43/23, 63/43, 54/56, 57/55, 55/35, 25/45, 62/42, 42/44, 45/43, 51/31, 31/33, 34/32, 37/35, 73/75, 75/55, 13/33, 43/23, 15/13, 13/33, 32/34, 34/36, 26/46, 47/45, 45/65
 Fig.180 (***) [28 boules, 22 coups] : 46/26, 34/36, 15/35, 13/15, 35/37, 37/57, 23/25, 15/35, 45/25, 65/45, 63/65, 57/55, 54/56, 75/55, 45/65, 26/24, 73/75, 75/55, 56/54, 53/51, 51/31, 33/53, 54/52, 31/33, 52/32, 32/34, 34/14
 Fig.181 (**) [28 boules, 21 coups] : 33/53, 53/73, 41/43, 43/45, 64/44, 56/54, 36/56, 54/34, 31/33, 34/32, 22/42, 66/64, 74/54, 15/13, 13/33, 25/23, 23/43, 43/41, 62/42, 41/43, 37/57, 57/55, 45/65, 75/55, 55/53, 43/63, 73/53
 Fig.182 (*) [29 boules, 24 coups] : 35/37, 37/57, 45/47, 65/45, 57/55, 45/65, 43/45, 24/44, 44/46, 64/44, 32/34, 44/24, 14/34, 26/24, 34/14, 47/45, 53/73, 73/75, 75/55, 45/65, 22/24, 14/34, 41/43, 62/42, 42/44, 34/54, 66/64, 54/74
 Fig.183 (***) [29 boules, 21 coups] : 51/53, 54/52, 31/51, 51/53, 32/52, 52/54, 24/22, 57/55, 54/56, 15/35, 35/55, 65/45, 63/65, 13/15, 75/55, 45/65, 47/45, 73/75, 75/55, 56/54, 37/35, 45/25, 15/35, 35/33, 54/34, 34/32, 22/42, 42/44
 Fig.184 (*) [29 boules, 25 coups] : 35/37, 33/35, 14/34, 35/33, 37/57, 26/24, 23/25, 43/23, 63/43, 13/33, 43/23, 51/53, 54/52, 56/54, 31/33, 23/43, 15/35, 35/55, 54/56, 57/55, 65/63, 73/53, 43/63, 75/73, 73/53, 52/54, 54/56, 66/46

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Fig.185 (*) [29 boules, 26 coups] : 57/37, 45/47, 43/45, 41/43, 37/57, 57/55, 54/56, 64/66, 66/46, 45/47, 26/46, 47/45, 13/15, 75/73, 35/33, 15/35, 45/25, 33/13, 25/23, 13/33, 43/23, 31/33, 23/43, 52/54, 73/53, 43/63, 62/64, 54/74
 Fig.186 (**) [29 boules, 23 coups] : 73/75, 75/55, 63/65, 43/63, 45/43, 65/45, 37/57, 45/47, 57/37, 35/33, 32/34, 37/35, 34/36, 15/13, 13/33, 43/23, 52/32, 51/31, 31/33, 23/43, 26/46, 56/36, 24/26, 26/46, 62/64, 64/44, 43/45, 45/47
 Fig.187 (***) [29 boules, 23 coups] : 51/31, 45/65, 47/45, 73/75, 75/55, 45/65, 34/32, 31/33, 14/34, 34/32, 36/34, 43/41, 22/42, 41/43, 43/45, 15/35, 34/36, 37/35, 45/25, 64/44, 66/64, 52/54, 54/74, 62/64, 74/54, 54/34, 26/24, 34/14
 Fig.188 (**) [29 boules, 23 coups] : 34/14, 43/41, 23/43, 44/42, 51/31, 31/33, 26/24, 14/34, 34/32, 45/25, 65/45, 45/47, 66/46, 47/45, 15/35, 45/25, 37/35, 25/45, 53/55, 45/65, 73/53, 65/63, 63/43, 43/41, 22/42, 41/43, 62/42, 43/41
 Fig.189 (***) [29 boules, 22 coups] : 22/24, 75/73, 26/46, 56/36, 24/26, 26/46, 54/56, 56/36, 45/25, 34/54, 32/34, 31/51, 57/37, 37/35, 34/36, 13/15, 15/35, 36/34, 62/42, 54/52, 73/53, 53/33, 34/32, 51/53, 32/52, 52/54, 66/64, 54/74
 Fig.190 (***) [29 boules, 23 coups] : 47/45, 45/43, 51/31, 43/41, 62/42, 41/43, 56/54, 54/52, 15/13, 25/45, 23/25, 43/23, 31/33, 23/43, 26/24, 37/35, 45/25, 25/23, 13/33, 43/23, 74/54, 66/64, 64/44, 22/24, 73/53, 52/54, 54/34, 34/14
 Fig.191 (***) [29 boules, 24 coups] : 51/53, 14/34, 34/54, 54/52, 74/54, 65/45, 32/34, 52/32, 31/51, 73/53, 54/52, 51/53, 22/42, 15/35, 45/25, 47/45, 57/55, 45/65, 37/35, 25/45, 13/33, 34/32, 32/52, 52/54, 75/55, 45/65, 66/64, 54/74
 Fig.192 (*) [29 boules, 24 coups] : 56/54, 54/34, 36/56, 34/36, 51/31, 43/41, 23/43, 31/33, 43/23, 26/24, 23/25, 75/73, 13/15, 15/35, 36/34, 63/43, 66/64, 37/57, 57/55, 45/65, 65/63, 73/53, 53/33, 34/32, 22/42, 41/43, 62/42, 43/41

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Fig.193 (**) [29 boules, 23 coups] : 43/41, 63/43, 51/53, 54/52, 73/75, 75/55, 31/51, 51/53, 43/63, 63/65, 66/64, 34/54, 36/34, 64/44, 34/54, 55/35, 57/55, 54/56, 56/36, 36/34, 15/35, 34/36, 37/35, 14/34, 35/33, 32/34, 22/24, 34/14
 Fig.194 (***) [29 boules, 22 coups] : 15/13, 62/64, 65/63, 66/46, 54/56, 34/54, 32/34, 13/33, 34/32, 36/34, 56/36, 22/42, 42/44, 63/43, 44/64, 57/37, 37/35, 34/36, 73/75, 26/24, 31/51, 51/53, 43/63, 63/65, 75/55, 55/35, 36/34, 34/14
 Fig.195 (**) [29 boules, 25 coups] : 34/36, 31/51, 32/52, 14/34, 22/24, 25/23, 62/42, 43/41, 51/31, 13/33, 34/32, 31/33, 63/43, 33/53, 53/55, 55/35, 36/34, 34/54, 56/36, 26/46, 47/45, 75/55, 54/56, 74/54, 57/55, 54/56, 66/46, 45/47
 Fig.196 (**) [29 boules, 22 coups] : 24/22, 22/42, 52/32, 54/52, 34/54, 36/34, 57/55, 37/57, 54/56, 57/55, 55/35, 35/33, 32/34, 74/54, 13/15, 15/35, 34/36, 26/46, 51/53, 54/52, 75/55, 62/64, 31/51, 51/53, 43/63, 63/65, 65/45, 46/44
 Fig.197 (*) [29 boules, 25 coups] : 35/37, 37/57, 55/35, 43/45, 23/43, 57/55, 54/56, 74/54, 35/33, 43/23, 62/42, 54/52, 42/62, 62/64, 65/63, 73/53, 14/34, 26/24, 23/25, 15/35, 45/25, 66/46, 22/42, 41/43, 53/33, 33/35, 25/45, 45/47
 Fig.198 (**) [29 boules, 22 coups] : 54/56, 74/54, 66/64, 54/74, 13/15, 15/35, 45/25, 43/45, 23/43, 25/23, 75/73, 73/53, 43/63, 22/24, 24/44, 45/43, 47/45, 57/55, 45/65, 26/46, 62/64, 65/63, 42/44, 31/51, 51/53, 63/43, 43/45, 45/47
 Fig.199 (**) [29 boules, 21 coups] : 63/65, 65/45, 45/43, 43/23, 41/43, 43/63, 47/45, 51/53, 63/43, 57/55, 45/65, 15/13, 34/14, 36/34, 13/15, 15/35, 34/36, 37/35, 22/24, 73/75, 75/55, 54/56, 31/33, 43/23, 23/25, 25/45, 66/46, 45/47
 Fig.200 (**) [29 boules, 18 coups] : 74/54, 54/52, 56/36, 36/34, 34/54, 54/56, 14/34, 37/57, 57/55, 55/35, 34/36, 32/34, 52/32, 75/55, 73/53, 43/63, 51/31, 31/33, 34/32, 62/64, 26/46, 15/35, 13/33, 32/34, 34/36, 36/56, 56/54, 54/74

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Fig.201 (*) [29 boules, 21 coups] : 35/15, 15/13, 34/14, 32/34, 13/33, 34/32, 63/43, 43/45, 37/35, 45/25, 51/31, 31/33, 52/32, 22/42, 55/53, 47/45, 66/46, 46/44, 65/63, 62/64, 74/54, 44/64, 26/24, 14/34, 34/32, 32/52, 52/54, 54/74
 Fig.202 (*) [29 boules, 24 coups] : 45/65, 43/45, 24/44, 54/34, 46/44, 66/46, 34/54, 36/56, 26/24, 14/34, 57/55, 54/56, 37/57, 57/55, 65/45, 74/54, 62/64, 64/44, 45/43, 43/23, 31/33, 23/43, 52/32, 51/31, 31/33, 43/23, 22/24, 34/14
 Fig.203 (*) [29 boules, 21 coups] : 42/62, 57/37, 45/47, 43/45, 37/57, 23/43, 25/23, 73/53, 43/63, 55/35, 57/55, 55/53, 74/54, 62/64, 64/44, 34/54, 54/52, 36/34, 31/51, 51/53, 22/42, 15/13, 13/33, 34/32, 32/52, 52/54, 66/64, 54/74
 Fig.204 (***) [29 boules, 19 coups] : 36/34, 34/54, 37/57, 22/42, 42/44, 54/34, 34/32, 74/54, 51/31, 31/33, 66/46, 54/56, 56/36, 52/54, 75/55, 54/56, 57/55, 55/35, 36/34, 34/32, 14/34, 26/24, 24/44, 62/64, 13/33, 32/34, 34/54, 54/74
 Fig.205 (***) [29 boules, 25 coups] : 51/53, 44/42, 33/35, 36/34, 54/52, 56/54, 42/62, 75/55, 54/56, 22/42, 15/35, 34/36, 23/25, 41/43, 37/57, 57/55, 45/65, 73/53, 43/63, 13/15, 15/35, 36/34, 74/54, 62/64, 64/44, 34/54, 66/64, 54/74
 Fig.206 (***) [29 boules, 26 coups] : 22/42, 34/36, 14/34, 15/35, 45/25, 75/55, 26/46, 47/45, 55/35, 25/45, 31/51, 57/55, 45/65, 54/52, 34/54, 42/44, 54/34, 74/54, 51/53, 54/52, 62/42, 73/53, 13/33, 34/32, 32/52, 52/54, 66/64, 54/74
 Fig.207 (***) [29 boules, 24 coups] : 31/51, 51/53, 32/52, 34/32, 53/33, 32/34, 62/42, 55/53, 34/54, 54/52, 52/32, 74/54, 25/23, 22/42, 46/44, 54/34, 26/46, 47/45, 15/13, 13/33, 34/32, 32/52, 73/53, 52/54, 57/55, 54/56, 66/46, 45/47
 Fig.208 (***) [29 boules, 22 coups] : 34/32, 14/34, 51/31, 31/33, 34/32, 54/34, 37/57, 45/47, 25/45, 57/37, 37/35, 45/25, 52/54, 32/52, 54/56, 66/46, 64/62, 62/42, 42/44, 34/54, 73/75, 75/55, 54/56, 56/36, 15/35, 36/34, 22/24, 34/14

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Fig.209 (***) [29 boules, 26 coups] : 65/63, 63/43, 32/52, 45/65, 66/64, 47/45, 34/32, 14/34, 37/35, 34/36, 15/35, 36/34, 74/54, 22/42, 52/32, 13/33, 43/23, 31/33, 34/32, 51/31, 31/33, 23/43, 57/55, 45/65, 75/55, 55/53, 43/63, 73/53
 Fig.210 (*) [29 boules, 24 coups] : 37/57, 57/55, 54/56, 52/54, 32/52, 24/26, 46/44, 43/45, 66/46, 45/47, 26/46, 47/45, 73/53, 65/63, 63/43, 75/73, 15/13, 13/33, 43/23, 22/24, 24/44, 45/43, 51/53, 43/63, 73/53, 54/52, 31/51, 51/53
 Fig.211 (***) [30 boules, 25 coups] : 45/47, 54/56, 66/46, 47/45, 75/55, 45/65, 34/36, 14/34, 34/54, 32/34, 73/75, 54/74, 75/55, 26/46, 13/33, 34/32, 31/33, 43/23, 63/43, 51/53, 43/63, 15/35, 62/64, 74/54, 54/56, 56/36, 36/34, 22/24, 34/14
 Fig.212 (***) [30 boules, 21 coups] : 33/31, 31/51, 62/42, 42/44, 44/46, 47/45, 54/52, 51/53, 56/54, 75/55, 54/52, 45/65, 26/46, 73/75, 75/55, 63/65, 66/64, 35/33, 14/34, 34/32, 22/42, 52/32, 15/35, 13/33, 32/34, 34/36, 36/56, 56/54, 54/74
 Fig.213 (***) [30 boules, 24 coups] : 62/64, 65/63, 22/24, 24/44, 44/64, 63/65, 52/54, 43/23, 41/43, 36/34, 55/53, 43/63, 31/33, 23/43, 75/73, 73/53, 43/63, 13/15, 15/35, 34/36, 66/64, 63/65, 57/37, 45/47, 37/57, 57/55, 65/45, 26/46, 45/47
 Fig.214 (***) [30 boules, 21 coups] : 62/42, 42/44, 44/46, 25/45, 46/44, 23/43, 44/42, 41/43, 54/52, 55/75, 75/73, 73/53, 43/63, 63/65, 66/64, 51/53, 37/35, 34/36, 14/34, 57/55, 31/33, 34/32, 22/42, 26/46, 47/45, 45/65, 65/63, 63/43, 43/41
 Fig.215 (*) [30 boules, 25 coups] : 64/44, 66/64, 74/54, 44/64, 45/65, 25/45, 64/66, 62/64, 52/54, 64/44, 23/25, 26/24, 51/31, 34/54, 14/34, 43/41, 31/51, 22/42, 34/32, 32/52, 51/53, 53/55, 45/65, 66/64, 37/57, 57/55, 36/56, 56/54, 64/44
 Fig.216 (***) [30 boules, 23 coups] : 64/66, 57/55, 37/57, 36/56, 66/46, 46/44, 44/64, 74/54, 54/56, 25/45, 57/55, 45/65, 75/55, 53/33, 41/43, 33/35, 14/34, 34/36, 13/33, 43/23, 62/64, 31/33, 23/43, 51/53, 43/63, 63/65, 65/45, 26/46, 45/47

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Fig.217 (***) [30 boules, 24 coups] : 57/37, 37/35, 73/53, 43/63, 56/36, 35/37, 55/35, 41/43, 75/73, 73/53, 43/63, 34/36, 37/35, 14/34, 34/36, 32/34, 13/33, 34/32, 31/33, 54/74, 15/35, 36/34, 34/32, 22/42, 42/62, 62/64, 74/54, 66/64, 54/74
 Fig.218 (***) [30 boules, 24 coups] : 23/43, 47/45, 55/75, 63/65, 43/63, 75/55, 45/65, 51/53, 63/43, 66/46, 36/56, 34/36, 14/34, 37/35, 34/36, 73/75, 75/55, 55/53, 43/63, 41/43, 22/42, 42/44, 62/64, 26/46, 56/36, 15/35, 36/34, 34/54, 54/74
 Fig.219 (***) [30 boules, 24 coups] : 14/34, 57/37, 45/47, 65/45, 37/57, 57/55, 45/65, 26/46, 34/36, 36/56, 15/35, 74/54, 62/64, 64/44, 43/45, 23/43, 43/63, 41/43, 35/55, 56/54, 22/42, 43/41, 31/51, 51/53, 54/52, 73/53, 52/54, 66/64, 54/74
 Fig.220 (***) [30 boules, 25 coups] : 56/54, 75/55, 54/56, 32/34, 13/33, 34/32, 73/75, 52/54, 32/52, 54/74, 75/73, 73/53, 52/54, 15/13, 25/23, 22/24, 45/25, 25/23, 13/33, 33/53, 54/52, 62/42, 41/43, 47/45, 66/46, 46/44, 43/45, 26/46, 45/47

Fig.221 (**) [30 boules, 22 coups] : 34/32, 54/56, 57/55, 13/33, 32/34, 74/54, 54/56, 52/32, 22/42, 42/44, 34/54, 54/52, 75/55, 56/54, 31/51, 51/53, 54/52, 35/37, 37/57, 14/34, 73/53, 52/54, 15/35, 34/36, 36/56, 57/55, 54/56, 66/46, 46/44

Fig.222 (***) [30 boules, 27 coups] : 14/34, 64/62, 66/64, 45/65, 47/45, 65/63, 57/55, 45/65, 62/64, 65/63, 73/53, 43/63, 23/43, 75/73, 73/53, 43/63, 41/43, 37/35, 34/36, 31/33, 43/23, 13/33, 51/53, 63/43, 43/23, 15/35, 36/34, 22/24, 34/14

Fig.223 (***) [30 boules, 26 coups] : 51/53, 33/35, 53/33, 41/43, 33/53, 54/52, 73/53, 65/63, 45/65, 47/45, 63/43, 75/55, 45/65, 13/33, 43/23, 25/45, 23/25, 15/35, 45/25, 57/55, 65/45, 26/24, 31/33, 62/42, 37/35, 45/25, 25/23, 23/43, 43/41

Fig.224 (***) [30 boules, 23 coups] : 47/45, 36/34, 32/52, 34/32, 54/34, 74/54, 43/63, 55/35, 34/36, 66/64, 54/74, 57/55, 37/35, 25/45, 45/65, 23/25, 73/75, 75/55, 15/35, 13/15, 62/64, 51/53, 22/42, 41/43, 43/63, 63/65, 65/45, 45/25, 15/35

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Fig.225 (*) [30 boules, 24 coups] : 57/37, 45/25, 43/45, 73/53, 65/63, 45/65, 63/43, 66/46, 75/73, 51/53, 43/63, 31/51, 62/64, 65/63, 73/53, 53/55, 32/52, 51/53, 34/32, 26/24, 14/34, 22/42, 13/33, 34/32, 32/52, 52/54, 54/56, 56/36, 37/35

Fig.226 [30 boules, 26 coups] : 33/13, 37/57, 45/47, 26/46, 47/45, 35/33, 14/34, 15/35, 45/25, 33/35, 25/45, 65/63, 45/65, 57/55, 65/45, 54/52, 51/53, 53/33, 45/43, 43/23, 41/43, 13/33, 43/23, 73/53, 75/73, 31/33, 23/43, 43/63, 73/53

Fig.227 (***) [31 boules, 27 coups] : 57/55, 54/56, 41/43, 43/45, 24/44, 45/43, 26/24, 47/45, 14/34, 74/54, 31/33, 34/32, 51/53, 54/52, 13/33, 43/23, 62/42, 32/52, 73/53, 52/54, 37/35, 45/25, 15/35, 66/46, 75/55, 54/56, 56/36, 36/34, 22/24, 34/14

Fig.228 (***) [31 boules, 23 coups] : 63/43, 26/24, 23/25, 43/23, 45/43, 25/45, 45/47, 55/53, 43/63, 31/33, 23/43, 52/32, 51/31, 31/33, 43/23, 37/35, 34/36, 57/37, 37/35, 66/46, 15/13, 13/33, 62/64, 74/54, 75/55, 54/56, 56/36, 36/34, 34/32, 22/42

Fig.229 (*) [31 boules, 27 coups] : 73/53, 43/63, 41/43, 62/42, 43/41, 45/43, 13/33, 43/23, 75/55, 63/65, 66/64, 64/44, 56/54, 44/64, 74/54, 24/44, 54/34, 15/35, 35/33, 23/43, 47/45, 37/35, 45/25, 51/31, 31/33, 43/23, 22/24, 14/34, 26/24, 34/14

Fig.230 (***) [31 boules, 23 coups] : 34/36, 32/52, 54/34, 52/54, 34/32, 13/33, 43/23, 51/31, 31/33, 23/43, 25/23, 37/57, 45/47, 65/45, 63/65, 75/55, 45/65, 57/37, 37/35, 15/13, 13/33, 43/23, 66/46, 22/24, 73/75, 75/55, 54/56, 56/36, 36/34, 34/14

Fig.231 (**) [31 boules, 23 coups] : 34/14, 13/15, 36/34, 56/36, 15/35, 44/24, 36/34, 34/14, 32/34, 64/44, 34/54, 54/56, 75/55, 55/35, 62/64, 43/63, 41/43, 63/65, 66/64, 37/57, 57/55, 51/53, 43/63, 63/65, 65/45, 45/25, 22/24, 14/34, 26/24, 34/14

Fig.232 (**) [31 boules, 28 coups] : 63/43, 66/64, 45/65, 65/63, 73/53, 43/63, 23/43, 31/33, 33/53, 63/43, 35/33, 43/23, 14/34, 37/35, 34/36, 15/35, 36/34, 13/33, 34/32, 22/42, 47/45, 41/43, 51/53, 43/63, 62/64, 74/54, 57/55, 45/65, 75/55, 54/56

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Fig.233 (**) [31 boules, 24 coups] : 13/33, 43/23, 15/13, 13/33, 41/43, 43/23, 31/33, 33/13, 57/55, 36/56, 37/57, 62/42, 54/52, 56/54, 52/32, 35/33, 32/34, 34/14, 13/15, 15/35, 35/55, 54/56, 74/54, 57/55, 54/56, 75/55, 56/54, 73/53, 54/52, 51/53

Fig.234 (**) [31 boules, 24 coups] : 24/26, 44/24, 42/44, 62/42, 23/43, 13/15, 45/25, 43/45, 41/43, 15/35, 45/25, 25/23, 75/73, 73/53, 43/63, 65/45, 63/65, 66/64, 64/44, 45/43, 22/24, 57/37, 37/35, 56/36, 26/46, 31/33, 43/23, 23/25, 25/45, 46/44

Fig.235 (***) [31 boules, 27 coups] : 62/64, 64/44, 34/54, 55/53, 52/54, 57/55, 54/56, 73/75, 75/55, 56/54, 46/44, 54/34, 26/46, 34/36, 36/56, 15/35, 14/34, 34/36, 32/34, 66/46, 47/45, 51/31, 13/33, 34/32, 31/33, 43/23, 37/35, 45/25, 22/24, 25/23

Fig.236 (***) [32 boules, 28 coups] : 24/44, 32/34, 13/33, 34/32, 54/34, 74/54, 31/33, 52/32, 54/52, 56/54, 75/55, 54/56, 43/23, 57/55, 37/57, 73/53, 52/54, 54/56, 57/55, 51/31, 31/33, 34/32, 15/13, 13/33, 32/34, 46/26, 34/36, 55/35, 36/34, 26/24, 34/14

Fig.237 (***) [32 boules, 22 coups] : 46/44, 26/46, 56/36, 54/56, 57/55, 65/45, 35/55, 75/73, 73/53, 52/54, 54/56, 66/46, 36/56, 33/53, 41/43, 43/45, 13/33, 33/35, 14/34, 34/36, 31/33, 15/35, 36/34, 34/32, 37/57, 57/55, 45/65, 65/63, 63/43, 22/42, 43/41

Fig.238 (***) [32 boules, 26 coups] : 13/33, 43/23, 31/33, 23/43, 52/32, 51/31, 31/33, 43/23, 46/44, 66/46, 47/45, 45/43, 24/44, 54/34, 37/35, 34/36, 26/46, 22/24, 14/34, 74/54, 73/53, 43/63, 75/55, 54/56, 57/55, 62/64, 15/35, 34/36, 36/56, 56/54, 54/74

Fig.239 (*) [32 boules, 25 coups] : 55/35, 64/62, 44/64, 74/54, 25/45, 42/44, 62/42, 32/52, 45/43, 43/63, 47/45, 37/35, 45/25, 57/55, 54/56, 33/35, 14/34, 34/36, 13/33, 66/64, 63/65, 31/51, 51/53, 15/35, 36/34, 34/32, 22/42, 75/55, 56/54, 54/52, 52/32

Fig.240 (**) [32 boules, 27 coups] : 53/33, 51/53, 54/52, 74/54, 23/43, 31/51, 43/41, 51/31, 31/33, 25/23, 45/25, 47/45, 15/35, 45/25, 37/35, 25/45, 33/35, 45/25, 57/55, 54/56, 13/15, 15/35, 73/53, 52/54, 66/46, 75/55, 54/56, 56/36, 36/34, 22/24, 34/14

Ligne 31

Fig.241 (*) [32 boules, 25 coups] : 15/35, 45/25, 65/45, 63/65, 43/63, 45/43, 73/53, 43/63, 23/43, 25/23, 75/73, 73/53, 43/63, 37/35, 35/33, 23/43, 56/36, 13/15, 51/53, 32/52, 53/73, 57/37, 37/35, 31/51, 51/53, 43/63, 73/53, 53/55, 65/45, 45/25, 15/35

Fig.242 (**) [32 boules, 23 coups] : 66/64, 63/65, 23/43, 43/63, 51/53, 63/43, 13/15, 44/64, 56/54, 36/56, 65/63, 57/55, 54/56, 37/57, 57/55, 26/24, 24/44, 44/46, 31/33, 43/23, 41/43, 22/24, 73/53, 43/63, 62/64, 74/54, 54/56, 56/36, 36/34,

34/14, 15/13

Fig.243 (***) [33 boules, 27 coups] : 73/53, 15/35, 13/15, 23/25, 43/63, 51/53, 54/52, 74/54, 55/53, 34/54, 35/55, 47/45, 15/35, 45/25, 37/35, 25/45, 55/35, 63/43, 43/23, 57/55, 54/56, 41/43, 66/46, 75/55, 31/33, 33/53, 52/54, 54/56, 56/36, 36/34, 22/24, 34/14

Fig.244 (*) [33 boules, 28 coups] : 73/75, 55/57, 75/55, 45/65, 36/56, 57/55, 65/45, 44/46, 34/36, 14/34, 22/24, 34/14, 36/56, 63/65, 43/23, 41/43, 43/63, 66/64, 63/65, 37/57, 57/55, 65/45, 15/35, 45/25, 51/53, 54/52, 26/24, 14/34, 62/42, 42/22, 22/24, 34/14

Fig.245 (***) [33 boules, 26 coups] : 33/13, 31/33, 25/23, 22/24, 43/23, 23/25, 63/43, 26/24, 65/63, 62/64, 13/15, 35/33, 43/23, 23/25, 37/35, 56/36, 36/34, 57/37, 15/35, 34/36, 37/35, 41/43, 55/53, 35/55, 74/54, 54/56, 43/63, 66/46, 51/53, 63/43, 43/45, 45/47

Fig.246 (***) [33 boules, 25 coups] : 57/37, 45/47, 65/45, 37/57, 57/55, 45/65, 43/45, 26/46, 45/47, 25/45, 41/43, 62/42, 42/44, 44/46, 47/45, 15/13, 33/35, 45/25, 13/33, 25/23, 23/43, 31/33, 43/23, 64/44, 66/64, 74/54, 54/52, 22/24, 73/53, 52/54, 54/34, 34/14

Fig.247 (***) [34 boules, 29 coups] : 64/62, 66/64, 43/63, 41/43, 63/65, 62/42, 43/41, 22/42, 41/43, 34/32, 14/34, 26/24, 34/14, 36/34, 31/33, 34/32, 13/33, 43/23, 75/73, 15/13, 13/33, 32/34, 55/35, 34/36, 57/55, 65/45, 45/43, 36/56, 37/57, 57/55, 55/53, 43/63, 73/53

Fig.248 (***) [34 boules, 28 coups] : 31/51, 51/53, 54/52, 33/31, 52/32, 44/42, 32/52, 62/42, 75/73, 73/53, 13/33, 34/32, 36/34, 31/33, 34/32, 32/52, 52/54, 54/74, 66/64, 74/54, 25/23, 22/24, 14/34, 56/36, 54/56, 26/46, 56/36, 37/35, 34/36, 57/37, 37/35, 45/25, 15/35

Ligne 32

Fig.249 (***) [35 boules, 31 coups] : 45/47, 43/41, 62/42, 41/43, 22/42, 34/32, 31/33, 14/34, 34/32, 32/52, 44/42, 52/32, 36/34, 54/52, 74/54, 51/53, 54/52, 56/54, 75/55, 54/56, 73/53, 52/54, 15/35, 34/36, 37/35, 13/33, 32/34, 34/36, 26/46, 47/45, 57/55, 45/65, 66/64, 54/74

Fig.250 (***) [36 boules, 32 coups] : 57/37, 45/47, 25/45, 23/25, 43/23, 45/43, 22/24, 25/23, 13/33, 43/23, 63/43, 26/46, 15/13, 13/33, 43/23, 47/45, 51/53, 32/52, 62/42, 41/43, 53/33, 34/32, 31/33, 23/43, 65/63, 45/65, 73/53, 43/63, 75/73, 73/53, 53/55, 65/45, 66/46, 45/47, 37/57

Fig.251 (***) [36 boules, 31 coups] : 54/34, 42/44, 34/54, 14/34, 26/24, 24/44, 54/34, 74/54, 66/64, 64/44, 34/54, 32/34, 45/25, 37/35, 34/36, 63/43, 47/45, 45/65, 57/55, 54/56, 51/53, 43/63, 73/53, 15/35, 36/34, 75/55, 56/54, 54/52, 62/42, 41/43, 13/33, 34/32, 31/33, 43/23, 22/24

Fig.252 (***) [36 boules, 31 coups] : 22/24, 25/23, 45/25, 15/35, 43/45, 41/43, 45/25, 33/35, 36/34, 56/36, 54/56, 52/54, 73/53, 54/52, 51/53, 43/63, 37/35, 34/36, 74/54, 62/64, 64/44, 31/33, 23/43, 43/45, 13/15, 15/35, 36/34, 57/55, 55/35, 34/36, 26/46, 47/45, 75/55, 45/65, 66/64

b. Solitaire anglais

Planche 2.1

Ligne 1

Fig.1 [10 boules, 7 coups] : 34/36, 36/56, 65/45, 57/55, 37/57, 54/56, 57/55, 55/35, 35/15

Fig.2 [11 boules, 5 coups] : 25/23, 65/45, 45/47, 23/43, 43/63, 63/65, 35/37, 37/57, 57/55, 65/45

Fig.3 [12 boules, 6 coups] : 24/44, 43/23, 54/34, 46/44, 44/24, 23/25, 25/45, 45/65, 65/63, 63/43, 42/44

Fig.4 [12 boules, 8 coups] : 23/25, 25/45, 46/44, 56/54, 54/34, 65/63, 63/43, 42/44, 44/24, 32/34, 24/44

Fig.5 (*) [12 boules, 7 coups] : 15/35, 75/73, 53/55, 73/53, 65/45, 45/25, 23/43, 53/33, 33/35, 35/15, 15/13

Fig.6 (*) [13 boules, 11 coups] : 25/45, 55/57, 75/55, 54/56, 57/55, 55/35, 36/34, 33/13, 31/33, 43/23, 13/33, 34/32

Fig.7 [13 boules, 9 coups] : 33/31, 56/54, 54/34, 24/44, 65/63, 63/43, 44/42, 52/32, 31/33, 36/34, 33/35, 35/15

Fig.8 [14 boules, 8 coups] : 34/36, 31/33, 63/43, 51/53, 43/63, 73/53, 75/55, 55/35, 36/34, 34/32, 32/52, 52/54, 54/74

Ligne 2

Fig.9 [14 boules, 12 coups] : 52/54, 54/34, 32/52, 51/53, 63/43, 37/35, 34/36, 15/35, 36/34, 65/63, 73/53, 53/33, 34/32

Fig.10 [14 boules, 9 coups] : 44/42, 55/53, 63/43, 43/41, 35/55, 47/45, 55/35, 34/32, 14/34, 35/33, 33/31, 31/51, 51/53

Fig.11 [14 boules, 8 coups] : 25/45, 33/31, 31/51, 55/35, 35/37, 37/57, 57/55, 65/45, 42/44, 45/43, 43/63, 51/53, 63/43

Fig.12 [14 boules, 9 coups] : 33/35, 75/55, 54/74, 63/43, 46/44, 43/45, 45/65, 25/45, 23/25, 15/35, 35/55, 55/75, 75/73

Fig.13 [15 boules, 11 coups] : 23/43, 56/54, 43/41, 54/74, 31/51, 45/43, 75/73, 73/53, 43/63, 24/44, 51/53, 63/43, 43/45, 45/47

Fig.14 [15 boules, 12 coups] : 33/35, 63/43, 35/55, 65/45, 13/33, 43/23, 31/33, 23/43, 51/53, 43/63, 73/53, 53/55, 55/35, 25/45

Fig.15 [15 boules, 12 coups] : 43/23, 57/55, 37/35, 35/33, 23/43, 43/63, 55/53, 63/43, 31/33, 43/23, 51/53, 41/43, 53/33, 23/43

Fig.16 (*) [16 boules, 8 coups] : 23/43, 52/54, 54/74, 42/44, 55/57, 25/45, 45/43, 36/56, 57/55, 55/75, 75/73, 73/53, 53/33, 32/34, 34/14

Ligne 3

Fig.17 (**) [16 boules, 12 coups] : 46/44, 25/45, 44/46, 42/44, 31/51, 57/37, 37/35, 56/36, 36/34, 44/24, 63/43, 51/53, 53/33, 32/34, 24/44

Fig.18 [16 boules, 12 coups] : 34/14, 13/15, 44/64, 46/44, 44/42, 65/45, 57/55, 45/65, 65/63, 63/43, 42/44, 32/34, 44/24, 23/25, 15/35

Fig.19 (*) [17 boules, 9 coups] : 15/35, 45/25, 25/23, 51/53, 53/55, 44/24, 23/25, 42/44, 73/53, 37/35, 25/45, 45/65, 65/63, 63/43, 43/45, 45/47
 Fig.20 [17 boules, 12 coups] : 15/35, 23/25, 25/45, 45/43, 42/44, 51/53, 37/35, 56/36, 36/34, 44/24, 63/43, 65/63, 73/53, 53/33, 32/34, 24/44
 Fig.21 [17 boules, 9 coups] : 23/25, 25/45, 45/47, 37/57, 57/55, 55/53, 53/33, 32/34, 52/32, 31/33, 33/35, 75/55, 63/65, 65/45, 45/25, 15/35
 Fig.22 (**) [17 boules, 13 coups] : 52/54, 75/55, 55/35, 35/33, 32/34, 57/55, 55/53, 63/43, 37/35, 34/36, 15/35, 36/34, 13/33, 34/32, 31/33, 43/23
 Fig.23 [17 boules, 8 coups] : 36/34, 34/14, 56/54, 54/74, 32/34, 63/43, 51/53, 53/33, 34/32, 31/33, 33/13, 13/15, 15/35, 35/55, 55/75, 75/73
 Fig.24 (*) [18 boules, 10 coups] : 34/14, 31/33, 33/13, 13/15, 15/35, 57/55, 65/45, 45/25, 63/65, 51/53, 53/55, 65/45, 46/44, 37/35, 25/45, 45/43, 43/41

Ligne 4

Fig.25 (*) [18 boules, 9 coups] : 52/54, 46/44, 44/64, 31/33, 34/32, 35/37, 37/57, 57/55, 65/45, 63/65, 75/55, 55/35, 35/15, 15/13, 13/33, 32/34, 34/14
 Fig.26 [18 boules, 11 coups] : 44/42, 55/75, 75/73, 46/44, 44/64, 41/43, 24/44, 43/45, 45/25, 57/55, 32/34, 13/33, 33/35, 25/45, 45/65, 65/63, 73/53
 Fig.27 [18 boules, 14 coups] : 34/54, 54/56, 41/43, 43/23, 35/37, 56/36, 37/35, 35/15, 23/25, 15/35, 35/55, 74/54, 55/53, 52/54, 73/53, 54/52, 51/53
 Fig.28 (*) [18 boules, 10 coups] : 25/23, 47/45, 45/25, 13/15, 15/35, 36/34, 34/32, 32/52, 54/56, 51/53, 53/33, 23/43, 43/45, 57/55, 45/65, 65/63, 73/53
 Fig.29 (*) [18 boules, 12 coups] : 46/44, 44/64, 23/43, 63/65, 43/63, 65/45, 57/55, 45/25, 37/35, 25/45, 55/35, 35/33, 33/31, 31/51, 51/53, 63/43, 43/41
 Fig.30 [19 boules, 11 coups] : 25/23, 44/24, 14/34, 34/36, 23/43, 53/33, 54/56, 74/54, 32/34, 51/53, 54/52, 52/32, 31/33, 33/35, 35/37, 37/57, 57/55, 55/75
 Fig.31 (*) [20 boules, 16 coups] : 24/44, 53/73, 55/53, 53/51, 35/37, 65/63, 73/53, 56/36, 44/46, 37/35, 25/45, 46/44, 32/52, 44/42, 23/43, 43/63, 51/53, 63/43, 43/41
 Fig.32 [20 boules, 10 coups] : 33/31, 63/43, 35/15, 15/13, 13/33, 43/23, 23/25, 31/51, 51/53, 65/45, 46/44, 74/54, 53/55, 55/57, 57/37, 37/35, 25/45, 45/43, 43/41

Ligne 5

Fig.33 (**) [20 boules, 11 coups] : 23/43, 42/44, 56/54, 54/74, 73/75, 75/55, 36/34, 34/54, 54/56, 56/36, 37/35, 63/43, 51/53, 53/33, 32/34, 34/36, 15/35, 36/34, 34/14
 Fig.34 [20 boules, 14 coups] : 31/33, 34/32, 75/55, 63/65, 43/63, 55/53, 63/43, 73/75, 75/55, 55/35, 43/45, 45/25, 51/31, 31/33, 52/32, 32/34, 15/35, 34/36, 37/35
 Fig.35 [20 boules, 15 coups] : 23/43, 31/33, 43/23, 63/43, 13/33, 43/23, 55/57, 57/37, 35/15, 37/35, 45/25, 15/35, 35/33, 23/43, 51/53, 43/63, 73/53, 53/55, 55/75
 Fig.36 (**) [20 boules, 16 coups] : 24/44, 13/33, 32/34, 44/24, 46/44, 36/34, 34/54, 53/55, 65/45, 57/55, 45/65, 25/23, 51/53, 63/43, 65/63, 73/53, 53/33, 23/43, 43/41
 Fig.37 [20 boules, 16 coups] : 43/23, 23/25, 54/56, 74/54, 56/36, 44/64, 65/63, 51/31, 31/33, 34/32, 36/34, 32/52, 73/53, 52/54, 15/35, 34/36, 37/35, 35/55, 55/53
 Fig.38 (*) [20 boules, 15 coups] : 24/44, 36/34, 43/45, 45/65, 31/33, 34/32, 64/44, 51/53, 13/33, 32/34, 34/54, 54/52, 73/53, 52/54, 57/55, 54/56, 37/57, 57/55, 65/45
 Fig.39 (**) [21 boules, 12 coups] : 13/33, 57/37, 37/35, 35/15, 15/13, 56/36, 41/43, 44/42, 75/73, 73/53, 65/63, 63/43, 43/23, 13/33, 32/34, 52/32, 31/33, 33/35, 36/34, 34/14
 Fig.40 (**) [21 boules, 17 coups] : 34/14, 54/34, 42/44, 44/24, 46/44, 14/34, 44/24, 13/33, 15/35, 73/53, 36/34, 24/44, 52/54, 54/34, 75/55, 56/54, 64/44, 44/24, 32/34, 24/44

Ligne 6

Fig.41 (**) [21 boules, 12 coups] : 41/43, 47/45, 44/42, 37/35, 35/15, 15/13, 13/33, 74/54, 51/53, 63/43, 33/53, 53/55, 55/35, 57/55, 65/45, 45/25, 25/23, 31/33, 23/43, 43/41
 Fig.42 (*) [21 boules, 14 coups] : 33/13, 25/23, 45/25, 47/45, 13/15, 15/35, 45/25, 53/33, 23/43, 43/45, 64/44, 44/46, 55/75, 75/73, 73/53, 41/43, 53/33, 33/35, 25/45, 46/44
 Fig.43 [21 boules, 12 coups] : 35/55, 15/35, 23/25, 25/45, 45/65, 65/63, 57/55, 54/56, 75/73, 73/53, 53/33, 41/43, 43/23, 13/33, 34/32, 31/33, 37/35, 56/36, 36/34, 34/32
 Fig.44 (*) [21 boules, 14 coups] : 13/15, 15/35, 35/37, 74/54, 63/43, 42/44, 44/64, 65/63, 73/53, 52/54, 51/31, 31/33, 23/43, 57/55, 37/57, 54/56, 57/55, 55/35, 35/33, 33/53
 Fig.45 (*) [21 boules, 13 coups] : 43/23, 65/63, 37/35, 35/33, 23/43, 75/73, 73/53, 43/63, 55/35, 41/43, 43/45, 35/55, 55/53, 63/43, 15/35, 31/33, 43/23, 23/25, 25/45, 45/47
 Fig.46 [21 boules, 14 coups] : 15/13, 36/56, 55/75, 34/14, 32/34, 52/32, 13/15, 15/35, 34/36, 63/65, 75/55, 55/35, 36/34, 44/24, 37/57, 57/55, 55/53, 53/33, 32/34, 34/14
 Fig.47 (*) [22 boules, 15 coups] : 15/13, 64/44, 57/37, 37/35, 56/54, 44/64, 24/44, 32/34, 13/33, 34/32, 73/75, 75/55, 41/43, 44/42, 31/33, 52/32, 32/34, 34/36, 36/56, 56/54, 64/44
 Fig.48 (*) [22 boules, 18 coups] : 14/34, 47/45, 34/32, 45/65, 43/45, 75/55, 55/57, 63/65, 35/55, 54/56, 57/55, 55/75, 41/43, 51/53, 43/63, 73/53, 75/73, 31/33, 23/43, 43/63, 73/53

Ligne 7

Fig.49 (*) [22 boules, 19 coups] : 51/31, 73/75, 33/53, 54/52, 31/33, 23/43, 25/23, 13/33, 33/53, 52/54, 55/53, 75/55, 34/54, 36/34, 55/35, 34/36, 53/55, 56/54, 36/56, 57/55, 55/53
 Fig.50 [22 boules, 16 coups] : 53/73, 65/45, 45/43, 43/41, 14/34, 37/35, 34/36, 32/34, 47/45, 57/55, 45/65, 65/63, 73/53, 53/51, 51/31, 13/33, 34/32, 31/33, 15/35, 36/34, 33/35
 Fig.51 (*) [22 boules, 17 coups] : 25/23, 34/32, 54/56, 73/53, 75/73, 53/33, 23/43, 35/37, 56/36, 37/35, 35/55, 43/45, 45/65, 65/63, 73/53, 52/54, 32/52, 51/53, 54/52, 31/51, 51/53
 Fig.52 (*) [22 boules, 16 coups] : 44/46, 73/53, 64/44, 44/24, 14/34, 34/36, 32/34, 53/33, 33/35, 36/34, 57/37, 13/33, 34/32, 56/36, 37/35, 65/45, 35/55, 51/53, 32/52, 52/54, 54/56
 Fig.53 [22 boules, 13 coups] : 31/33, 73/75, 75/55, 55/53, 53/73, 23/43, 13/15, 15/35, 35/33, 43/23, 23/25, 41/43, 51/53, 43/63, 73/53, 57/55, 37/35, 25/45, 45/65, 65/63, 53/73
 Fig.54 [23 boules, 14 coups] : 37/57, 65/63, 44/64, 42/44, 56/54, 54/74, 36/56, 44/46, 57/55, 23/43, 51/31, 31/33, 43/23, 13/33, 33/35, 75/73, 73/53, 52/54, 54/56, 56/36, 36/34, 34/14
 Fig.55 (**) [23 boules, 15 coups] : 23/25, 13/15, 15/35, 35/37, 55/35, 44/24, 32/34, 52/32, 34/36, 37/35, 31/33, 33/53, 54/52, 74/54, 75/55, 55/53, 52/54, 57/55, 54/56, 56/36, 36/34, 34/14
 Fig.56 (**) [23 boules, 17 coups] : 43/41, 31/51, 51/53, 54/52, 23/25, 73/75, 15/35, 35/37, 55/35, 75/55, 44/24, 14/34, 34/36, 32/34, 37/35, 34/36, 56/54, 36/56, 57/55, 55/53, 52/54, 54/74

Ligne 8

Fig.57 (**) [23 boules, 14 coups] : 43/41, 63/43, 65/63, 73/53, 43/63, 31/51, 51/53, 54/52, 15/13, 13/33, 36/56, 57/55, 45/65, 25/45, 33/35, 35/55, 55/75, 75/73, 73/53, 52/54, 54/34, 34/14
 Fig.58 (**) [23 boules, 17 coups] : 36/34, 34/14, 56/36, 55/75, 63/65, 75/55, 55/35, 25/45, 37/35, 45/25, 15/13, 43/63, 73/53, 32/34, 13/33, 33/35, 25/45, 45/43, 43/63, 51/53, 63/43, 43/41
 Fig.59 (*) [23 boules, 16 coups] : 25/45, 73/53, 56/54, 36/56, 75/55, 45/65, 65/63, 63/43, 33/53, 53/55, 56/54, 31/33, 14/34, 33/35, 51/53, 54/52, 52/32, 13/33, 32/34, 34/36, 57/37, 37/35
 Fig.60 (*) [23 boules, 16 coups] : 25/45, 45/47, 65/45, 23/25, 73/53, 75/73, 37/57, 57/55, 45/65, 65/63, 63/43, 43/23, 51/53, 31/33, 23/43, 43/63, 73/53, 41/43, 53/33, 15/35, 36/34, 34/32
 Fig.61 [23 boules, 16 coups] : 24/44, 56/36, 36/34, 57/37, 44/24, 64/44, 44/46, 14/34, 51/53, 32/52, 52/54, 73/53, 54/52, 75/55, 13/33, 34/32, 31/33, 33/53, 52/54, 54/56, 56/36, 37/35
 Fig.62 [23 boules, 16 coups] : 24/44, 32/34, 34/54, 46/44, 65/45, 45/43, 25/45, 57/55, 54/56, 37/57, 57/55, 55/35, 36/34, 73/53, 43/63, 51/53, 63/43, 13/33, 43/23, 15/13, 13/33, 33/35
 Fig.63 [23 boules, 19 coups] : 24/44, 45/47, 25/45, 44/46, 47/45, 42/44, 45/43, 64/44, 43/45, 73/75, 51/31, 56/54, 75/55, 45/65, 37/35, 23/43, 31/33, 33/53, 53/55, 65/45, 45/25, 15/35
 Fig.64 [23 boules, 16 coups] : 51/31, 64/44, 34/54, 54/56, 46/44, 36/34, 34/54, 33/53, 54/52, 31/33, 52/32, 32/34, 24/44, 57/37, 73/75, 75/55, 56/54, 54/34, 13/15, 15/35, 34/36, 37/35

Ligne 9

Fig.65 (*) [23 boules, 19 coups] : 51/53, 54/52, 34/36, 56/54, 36/56, 73/53, 53/55, 56/54, 32/34, 24/44, 54/34, 15/13, 13/33, 34/32, 31/33, 33/53, 52/54, 37/57, 75/55, 54/56, 57/55, 45/65
 Fig.66 (**) [23 boules, 16 coups] : 15/35, 65/45, 45/25, 63/43, 51/53, 43/63, 31/51, 73/53, 32/34, 13/33, 25/23, 23/43, 43/63, 75/73, 73/53, 37/35, 34/36, 57/55, 36/56, 56/54, 54/52, 51/53
 Fig.67 [23 boules, 17 coups] : 34/32, 36/56, 51/31, 31/33, 33/53, 53/51, 45/65, 25/23, 57/55, 65/45, 45/25, 73/53, 54/52, 74/54, 51/53, 54/52, 52/32, 13/33, 32/34, 15/35, 34/36, 37/35
 Fig.68 [23 boules, 16 coups] : 34/14, 45/47, 51/53, 54/52, 65/45, 35/15, 15/13, 42/44, 45/43, 33/53, 52/54, 13/33, 33/31, 31/51, 73/53, 54/52, 51/53, 74/54, 53/55, 55/57, 57/37, 37/35
 Fig.69 (*) [23 boules, 19 coups] : 34/36, 23/25, 43/23, 31/33, 23/43, 55/35, 36/34, 56/36, 37/35, 34/36, 65/63, 73/53, 43/63, 75/73, 73/53, 54/52, 52/32, 15/35, 36/34, 51/31, 31/33, 34/32
 Fig.70 (*) [23 boules, 18 coups] : 34/14, 45/47, 13/15, 65/45, 54/74, 15/35, 45/25, 42/44, 57/37, 37/35, 25/45, 45/43, 43/23, 31/33, 23/43, 52/54, 73/53, 43/63, 75/73, 73/53, 54/52, 51/53
 Fig.71 (*) [23 boules, 18 coups] : 15/13, 43/63, 37/35, 35/15, 55/53, 63/43, 33/35, 13/33, 33/53, 45/25, 47/45, 15/35, 45/25, 25/23, 31/33, 23/43, 43/63, 75/55, 56/54, 73/53, 54/52, 51/53
 Fig.72 (*) [23 boules, 19 coups] : 34/36, 73/53, 32/34, 53/33, 23/43, 52/32, 75/73, 54/74, 56/54, 73/75, 75/55, 54/56, 31/33, 43/23, 13/33, 34/32, 57/55, 55/35, 36/34, 51/31, 31/33, 34/32

Ligne 10

Fig.73 (*) [23 boules, 17 coups] : 35/37, 37/57, 44/42, 23/25, 54/74, 52/54, 41/43, 43/23, 75/73, 73/53, 54/52, 31/33, 23/43, 56/54, 51/53, 43/63, 15/35, 34/36, 36/56, 57/55, 55/53, 53/73
 Fig.74 [23 boules, 17 coups] : 34/32, 36/34, 73/75, 54/74, 34/54, 54/52, 75/73, 73/53, 52/54, 14/34, 42/44, 44/24, 65/45, 57/55, 54/56, 13/33, 32/34, 24/44, 44/46, 56/36, 37/35, 35/15
 Fig.75 (*) [24 boules, 14 coups] : 24/44, 54/34, 53/51, 32/52, 34/32, 51/31, 31/33, 33/13, 13/15, 46/44, 43/45, 56/54, 35/55, 15/35, 35/37, 37/57, 54/56, 57/55, 55/75, 75/73, 73/53, 52/54, 54/74
 Fig.76 (*) [24 boules, 14 coups] : 46/44, 52/54, 54/34, 55/75, 75/73, 73/53, 24/44, 43/63, 63/65, 51/31, 33/13, 31/33, 13/15, 36/34, 44/24, 15/35, 37/57, 57/55, 65/45, 45/25, 25/23, 23/43, 43/41
 Fig.77 (**) [24 boules, 17 coups] : 23/43, 47/45, 75/73, 36/34, 55/75, 63/65, 75/55, 45/65, 43/63, 73/53, 53/51, 31/33, 51/31, 34/32, 31/33, 13/15, 15/35, 57/55, 65/45, 45/25, 25/23, 23/43, 43/41
 Fig.78 (**) [24 boules, 17 coups] : 24/44, 45/47, 65/45, 37/57, 57/55, 45/65, 36/34, 44/24, 64/44, 32/34, 34/54, 53/33, 73/53, 53/55, 65/45, 51/53, 23/43, 53/33, 15/35, 45/25, 25/23, 23/43, 43/41
 Fig.79 (**) [24 boules, 16 coups] : 43/45, 63/43, 37/35, 42/44, 45/43, 25/45, 45/65, 65/63, 31/51, 51/53, 54/52, 57/55, 23/25, 43/23, 13/33, 75/73, 73/53, 52/54, 54/56, 56/36, 15/35, 36/34, 34/32

Fig.80 (*) [24 boules, 17 coups] : 31/33, 74/54, 54/34, 34/32, 41/43, 13/33, 32/34, 34/36, 15/13, 47/45, 75/55, 45/65, 73/53, 43/63, 51/53, 63/43, 37/35, 57/55, 65/45, 45/25, 25/23, 13/33, 33/53

Planche 2.2

Ligne 11

Fig.81 (**) [24 boules, 21 coups] : 23/43, 43/63, 74/54, 73/53, 54/52, 51/53, 44/46, 56/54, 36/56, 53/55, 56/54, 37/57, 41/43, 31/33, 43/23, 15/13, 13/33, 33/35, 25/45, 75/55, 54/56, 57/55, 45/65

Fig.82 (*) [24 boules, 19 coups] : 51/31, 32/52, 34/32, 31/33, 33/13, 37/57, 73/75, 15/35, 13/15, 45/25, 15/35, 35/37, 43/45, 64/44, 52/54, 54/34, 56/54, 75/55, 54/56, 57/55, 55/35, 34/36, 37/35

Fig.83 (**) [24 boules, 20 coups] : 14/34, 54/56, 52/54, 57/55, 54/56, 73/53, 47/45, 75/55, 56/54, 54/52, 51/53, 34/54, 53/55, 55/35, 36/34, 43/23, 31/33, 34/32, 15/35, 13/33, 32/34, 34/36, 37/35

Fig.84 (**) [24 boules, 18 coups] : 33/13, 36/34, 37/57, 15/35, 34/36, 13/15, 75/73, 31/33, 43/63, 41/43, 43/23, 23/25, 15/35, 36/34, 73/53, 65/45, 57/55, 55/35, 34/36, 36/56, 53/55, 56/54, 54/74

Fig.85 [24 boules, 21 coups] : 33/53, 65/45, 45/25, 54/34, 52/54, 57/37, 13/15, 15/35, 34/36, 37/35, 41/43, 64/44, 43/45, 35/55, 56/54, 73/53, 54/52, 75/73, 31/33, 23/43, 51/53, 43/63, 73/53

Fig.86 [24 boules, 16 coups] : 23/43, 43/45, 46/44, 74/54, 44/64, 15/13, 51/31, 31/33, 52/32, 32/34, 34/14, 13/15, 65/45, 37/57, 57/55, 45/65, 73/53, 65/63, 63/43, 36/34, 15/35, 35/33, 33/53

Fig.87 [24 boules, 18 coups] : 43/45, 35/55, 55/53, 31/33, 23/43, 43/63, 75/55, 56/54, 63/65, 47/45, 15/13, 37/35, 35/55, 54/56, 25/23, 13/33, 41/43, 33/53, 73/75, 75/55, 56/54, 54/52, 51/53

Fig.88 (*) [24 boules, 20 coups] : 15/35, 75/73, 31/51, 34/14, 54/34, 52/54, 34/32, 73/53, 54/52, 51/53, 53/33, 32/34, 35/33, 23/43, 46/44, 43/45, 45/65, 57/55, 65/45, 37/35, 45/25, 13/15, 15/35

Ligne 12

Fig.89 (*) [24 boules, 20 coups] : 25/45, 43/23, 45/43, 43/63, 51/53, 63/43, 55/53, 43/63, 75/73, 73/53, 41/43, 53/33, 23/43, 57/55, 65/45, 15/13, 31/33, 43/23, 13/33, 33/35, 45/25, 37/35, 25/45

Fig.90 [24 boules, 17 coups] : 37/35, 35/15, 23/25, 15/35, 35/55, 47/45, 55/75, 63/65, 75/55, 45/65, 57/55, 65/45, 43/63, 51/53, 53/55, 55/35, 32/52, 31/51, 51/53, 63/43, 43/23, 35/33, 33/13

Fig.91 (**) [24 boules, 17 coups] : 13/15, 15/35, 73/75, 75/55, 43/45, 23/43, 35/33, 55/35, 42/44, 63/43, 43/23, 44/64, 51/53, 31/33, 23/43, 43/63, 63/65, 57/55, 65/45, 45/25, 37/35, 25/45, 45/47

Fig.92 (**) [24 boules, 18 coups] : 45/65, 53/55, 56/54, 75/55, 54/56, 63/65, 33/31, 13/33, 31/51, 51/53, 15/13, 34/54, 53/55, 56/54, 36/34, 33/35, 73/75, 75/55, 54/56, 56/36, 36/34, 34/14, 13/15

Fig.93 (**) [24 boules, 15 coups] : 13/15, 25/45, 45/43, 73/75, 34/14, 15/13, 64/44, 56/54, 54/34, 34/32, 32/52, 52/54, 13/33, 33/53, 54/52, 36/56, 75/55, 56/54, 51/53, 54/52, 31/51, 51/53, 53/73

Fig.94 [25 boules, 20 coups] : 37/57, 73/75, 57/55, 36/56, 34/36, 55/35, 36/34, 51/31, 31/33, 34/32, 15/13, 25/23, 13/33, 32/34, 44/24, 42/44, 54/74, 75/73, 52/54, 73/53, 53/55, 56/54, 54/34, 34/14

Fig.95 (**) [25 boules, 20 coups] : 43/63, 41/43, 75/73, 73/53, 43/63, 51/53, 63/43, 37/57, 34/32, 14/34, 45/47, 43/45, 64/44, 44/24, 45/25, 57/37, 37/35, 25/45, 13/33, 32/34, 24/44, 44/46, 65/45, 46/44

Fig.96 (**) [25 boules, 18 coups] : 13/15, 57/37, 15/35, 23/25, 35/33, 32/34, 37/35, 34/36, 75/73, 73/53, 65/63, 53/55, 55/57, 36/56, 57/55, 55/35, 25/45, 44/46, 42/44, 31/51, 51/53, 63/43, 43/45, 45/47

Ligne 13

Fig.97 (*) [25 boules, 15 coups] : 31/33, 73/53, 53/55, 56/54, 47/45, 33/53, 53/55, 74/54, 54/56, 57/55, 36/34, 55/35, 35/33, 23/43, 13/15, 15/35, 75/55, 52/32, 51/31, 31/33, 43/23, 23/25, 25/45, 45/65

Fig.98 (*) [25 boules, 13 coups] : 42/44, 63/43, 65/63, 45/65, 43/45, 23/43, 37/35, 34/36, 57/55, 54/56, 15/35, 45/25, 13/15, 15/35, 35/37, 37/57, 57/55, 55/75, 75/73, 73/53, 53/33, 33/31, 31/51, 51/53

Fig.99 [25 boules, 19 coups] : 53/73, 73/75, 24/44, 33/13, 15/35, 13/15, 45/25, 15/35, 43/45, 64/44, 45/43, 47/45, 45/25, 37/35, 25/45, 56/54, 75/55, 55/35, 42/44, 54/34, 35/33, 33/31, 31/51, 51/53

Fig.100 (*) [25 boules, 19 coups] : 51/31, 56/36, 37/35, 34/36, 32/34, 54/56, 53/51, 13/33, 34/32, 31/33, 33/53, 15/13, 57/37, 37/35, 45/25, 23/25, 13/33, 63/43, 33/53, 73/75, 75/55, 56/54, 54/52, 51/53

Fig.101 [25 boules, 22 coups] : 51/53, 54/52, 57/55, 74/54, 55/53, 52/54, 45/25, 37/57, 13/33, 33/53, 54/52, 15/13, 41/43, 31/33, 43/23, 13/33, 33/35, 25/45, 73/53, 52/54, 75/55, 54/56, 57/55, 45/65

Fig.102 (**) [25 boules, 16 coups] : 51/53, 54/52, 74/54, 57/37, 37/35, 35/15, 75/55, 55/53, 52/54, 32/52, 31/51, 51/53, 54/52, 73/53, 52/54, 44/64, 13/33, 43/23, 15/13, 13/33, 33/35, 35/55, 56/54, 54/74

Fig.103 (*) [25 boules, 19 coups] : 15/35, 63/43, 13/15, 34/14, 15/13, 45/25, 37/35, 35/15, 56/36, 65/45, 32/34, 13/33, 43/23, 75/73, 31/51, 51/53, 57/37, 37/35, 45/25, 15/35, 35/33, 23/43, 43/63, 73/53

Fig.104 [25 boules, 15 coups] : 42/44, 45/43, 25/45, 45/65, 57/37, 37/35, 34/36, 14/34, 34/32, 13/33, 43/23, 75/55, 63/65, 65/45, 45/47, 31/33, 23/43, 51/53, 43/63, 73/53, 53/55, 55/57, 57/37, 37/35

Ligne 14

Fig.105 (*) [25 boules, 19 coups] : 44/46, 34/14, 36/34, 13/15, 15/35, 34/36, 32/34, 52/32, 55/75, 63/65, 75/55, 43/63, 73/53, 54/52, 37/35, 34/36, 56/54, 36/56, 57/55, 55/53, 53/51, 51/31, 31/33, 23/43

Fig.106 (**) [26 boules, 20 coups] : 45/43, 47/45, 33/31, 52/32, 54/52, 13/33, 43/23, 15/13, 13/33, 31/51, 33/31, 51/53, 63/43, 56/54, 75/55, 45/65, 73/75, 75/55, 55/53, 53/33, 34/32, 31/33, 36/34, 33/35, 35/15

Fig.107 [26 boules, 20 coups] : 33/53, 31/33, 34/32, 41/43, 53/33, 32/34, 55/53, 75/55, 34/54, 54/56, 52/54, 73/75, 54/74, 75/73, 73/53, 36/34, 57/37, 13/15, 15/35, 34/36, 37/35, 35/55, 56/54, 54/52, 51/53

Fig.108 (**) [26 boules, 21 coups] : 51/53, 54/52, 45/25, 47/45, 25/23, 44/46, 74/54, 13/33, 43/23, 41/43, 75/55, 54/56, 57/55, 15/13, 13/33, 43/23, 31/33, 23/43, 73/53, 52/54, 54/56, 56/36, 37/35, 35/33, 43/23

Fig.109 (*) [26 boules, 23 coups] : 52/54, 54/34, 47/45, 15/35, 45/25, 32/52, 34/32, 31/33, 51/53, 23/43, 53/33, 25/23, 23/43, 73/53, 43/63, 65/45, 63/65, 75/55, 45/65, 37/35, 13/15, 57/55, 65/45, 45/25, 15/35
 Fig.110 [26 boules, 23 coups] : 32/52, 33/53, 45/43, 25/45, 43/63, 55/53, 63/43, 74/54, 13/33, 43/23, 51/53, 31/51, 54/52, 51/53, 75/55, 45/65, 57/55, 65/45, 37/35, 45/25, 15/35, 35/33, 23/43, 43/63, 73/53
 Fig.111 (*) [26 boules, 21 coups] : 32/52, 65/63, 34/32, 36/34, 56/36, 13/33, 33/31, 45/65, 37/35, 34/36, 14/34, 57/37, 37/35, 34/36, 73/53, 53/33, 44/64, 65/63, 15/35, 36/34, 34/32, 31/33, 51/53, 63/43, 33/53
 Fig.112 (**) [26 boules, 20 coups] : 32/34, 65/45, 13/33, 15/13, 34/14, 36/34, 34/32, 13/15, 15/35, 45/25, 53/33, 32/34, 51/53, 53/55, 47/45, 55/35, 34/36, 37/35, 25/45, 57/55, 45/65, 73/53, 65/63, 63/43, 43/41

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Fig.113 (*) [26 boules, 20 coups] : 34/32, 45/65, 43/45, 64/44, 73/75, 75/55, 55/35, 41/43, 44/42, 52/54, 32/52, 37/57, 35/37, 57/55, 54/56, 56/36, 37/35, 15/13, 35/15, 13/33, 51/53, 63/43, 43/23, 23/25, 15/35
 Fig.114 (*) [26 boules, 21 coups] : 34/32, 45/65, 43/45, 64/44, 45/43, 53/33, 32/34, 47/45, 57/55, 55/75, 51/53, 24/44, 45/43, 53/33, 23/43, 13/15, 15/35, 36/34, 73/53, 43/63, 75/73, 73/53, 41/43, 53/33, 33/35
 Fig.115 (*) [26 boules, 21 coups] : 34/54, 36/56, 63/43, 57/55, 54/56, 14/34, 37/57, 57/55, 55/35, 34/36, 65/63, 73/53, 43/63, 41/43, 75/73, 73/53, 43/63, 51/53, 63/43, 31/33, 43/23, 13/33, 15/35, 36/34, 34/32
 Fig.116 (*) [26 boules, 20 coups] : 43/63, 45/43, 65/45, 63/65, 37/35, 34/36, 75/55, 45/65, 57/55, 54/56, 33/53, 31/33, 51/31, 73/75, 75/55, 56/54, 54/52, 52/32, 32/34, 13/33, 34/32, 31/33, 15/35, 36/34, 34/32
 Fig.117 [26 boules, 23 coups] : 23/43, 45/47, 74/54, 43/45, 34/14, 51/31, 31/33, 52/32, 54/52, 73/53, 52/54, 32/34, 37/35, 57/37, 34/36, 37/35, 55/57, 35/55, 54/56, 57/55, 65/45, 15/35, 45/25, 13/15, 15/35
 Fig.118 (**) [26 boules, 18 coups] : 34/14, 36/34, 13/15, 15/35, 34/36, 54/74, 56/54, 32/34, 53/33, 23/43, 43/41, 37/35, 34/36, 57/37, 37/35, 35/55, 54/56, 73/75, 75/55, 56/54, 51/53, 54/52, 31/51, 51/53, 53/73
 Fig.119 (*) [26 boules, 20 coups] : 35/15, 37/35, 57/37, 54/74, 52/54, 45/47, 43/45, 45/25, 37/57, 15/35, 65/45, 57/55, 54/56, 35/55, 56/54, 24/44, 54/34, 23/43, 31/33, 34/32, 51/31, 31/33, 33/53, 53/73, 73/75
 Fig.120 (**) [26 boules, 19 coups] : 35/33, 33/31, 73/53, 53/33, 23/43, 43/41, 31/51, 51/53, 54/52, 56/54, 15/35, 13/15, 35/55, 54/56, 65/63, 75/73, 73/53, 52/54, 57/55, 54/56, 37/35, 56/36, 36/34, 34/14, 15/13

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Fig.121 [26 boules, 16 coups] : 33/13, 65/45, 31/33, 34/32, 51/31, 31/33, 54/34, 42/44, 45/43, 43/23, 24/44, 52/54, 54/34, 13/15, 74/54, 25/45, 46/44, 44/24, 23/25, 15/35, 35/37, 37/57, 57/55, 55/53, 53/73
 Fig.122 (*) [27 boules, 22 coups] : 31/51, 33/13, 13/15, 34/14, 36/34, 44/24, 42/44, 14/34, 44/24, 15/35, 55/75, 35/55, 47/45, 45/65, 75/73, 53/55, 65/45, 51/53, 63/43, 57/55, 45/65, 65/63, 73/53, 53/33, 32/34, 24/44
 Fig.123 (**) [27 boules, 22 coups] : 51/53, 34/14, 46/44, 25/45, 44/46, 65/45, 53/55, 55/35, 74/54, 33/53, 54/52, 57/55, 41/43, 13/33, 43/23, 73/53, 52/54, 54/56, 15/13, 13/33, 32/34, 35/33, 37/35, 56/36, 36/34, 33/35
 Fig.124 (*) [27 boules, 22 coups] : 51/53, 54/52, 56/54, 35/55, 55/53, 52/54, 32/52, 31/51, 51/53, 54/52, 34/32, 73/53, 52/54, 75/55, 54/56, 57/55, 13/33, 32/34, 74/54, 55/53, 53/33, 33/35, 25/45, 37/35, 45/25, 15/35
 Fig.125 (**) [27 boules, 23 coups] : 34/14, 36/34, 15/35, 34/36, 54/74, 52/54, 73/53, 75/73, 43/63, 73/53, 54/52, 41/43, 44/42, 13/15, 37/35, 45/25, 15/35, 32/34, 52/32, 35/33, 32/34, 65/45, 57/55, 55/35, 35/33, 33/13
 Fig.126 (**) [27 boules, 23 coups] : 33/31, 64/44, 56/54, 44/64, 75/55, 73/75, 63/65, 52/54, 55/53, 75/55, 53/33, 34/32, 14/34, 31/33, 34/32, 45/65, 36/34, 15/35, 34/36, 37/35, 13/33, 32/34, 34/36, 36/56, 57/55, 55/75
 Fig.127 (**) [28 boules, 21 coups] : 35/15, 23/25, 15/13, 43/23, 41/43, 13/33, 43/23, 55/35, 25/45, 75/55, 45/65, 73/75, 54/74, 52/54, 75/73, 73/53, 54/52, 51/53, 31/33, 23/43, 53/33, 33/35, 35/37, 37/57, 57/55, 65/45, 45/47
 Fig.128 (*) [28 boules, 20 coups] : 13/15, 15/35, 45/25, 65/45, 53/55, 56/54, 73/53, 53/55, 45/65, 65/63, 51/53, 32/52, 52/54, 31/51, 43/45, 75/73, 73/53, 54/52, 51/53, 23/43, 53/33, 33/35, 35/15, 57/37, 37/35, 45/25, 15/35

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Fig.129 [28 boules, 23 coups] : 33/13, 75/73, 54/74, 73/75, 56/54, 75/55, 54/56, 31/33, 43/23, 63/43, 13/33, 43/23, 51/53, 34/54, 46/44, 44/64, 14/34, 57/55, 35/33, 23/43, 43/63, 63/65, 65/45, 15/35, 45/25, 37/35, 25/45
 Fig.130 (*) [28 boules, 25 coups] : 13/15, 35/37, 15/35, 56/36, 23/25, 35/15, 37/35, 57/37, 34/36, 37/35, 44/42, 41/43, 43/23, 31/33, 23/43, 73/53, 43/63, 45/25, 15/35, 65/45, 35/55, 55/53, 63/43, 75/73, 51/53, 43/63, 73/53
 Fig.131 [28 boules, 22 coups] : 52/54, 41/43, 44/42, 24/44, 54/34, 23/43, 43/41, 46/44, 34/54, 65/45, 63/65, 73/75, 75/55, 45/65, 57/55, 54/56, 37/57, 57/55, 65/45, 15/35, 45/25, 13/15, 15/35, 36/34, 51/31, 31/33, 34/32
 Fig.132 (**) [28 boules, 22 coups] : 33/35, 31/33, 56/54, 75/55, 54/34, 34/32, 73/75, 53/73, 41/43, 51/53, 43/63, 73/53, 45/65, 25/45, 75/55, 45/65, 65/63, 63/43, 13/33, 43/23, 15/13, 13/33, 32/34, 37/35, 34/36, 57/37, 37/35
 Fig.133 (**) [28 boules, 22 coups] : 51/53, 45/65, 53/55, 65/45, 34/32, 32/52, 44/42, 52/32, 14/34, 73/53, 35/33, 32/34, 15/35, 45/25, 47/45, 57/55, 45/65, 75/55, 13/33, 34/32, 31/33, 37/35, 25/45, 45/65, 65/63, 63/43, 43/23
 Fig.134 (*) [28 boules, 22 coups] : 15/13, 34/14, 37/57, 55/35, 57/55, 36/34, 13/15, 15/35, 34/36, 36/56, 32/34, 55/57, 31/51, 75/73, 54/74, 34/54, 73/75, 75/55, 54/56, 57/55, 42/44, 63/43, 51/53, 53/33, 23/43, 43/45, 55/35
 Fig.135 (*) [28 boules, 23 coups] : 53/33, 41/43, 56/36, 73/53, 43/63, 33/35, 54/34, 24/44, 44/46, 36/34, 31/33, 34/32, 74/54, 47/45, 51/53, 63/43, 75/55, 54/56, 57/55, 55/35, 13/33, 43/23, 15/13, 13/33, 32/34, 34/36, 37/35
 Fig.136 (*) [28 boules, 21 coups] : 32/52, 15/35, 45/25, 44/42, 41/43, 43/63, 73/53, 24/44, 54/34, 34/32, 52/54, 55/53, 74/54, 54/52, 51/53, 47/45, 75/55, 56/54, 53/55, 55/35, 25/45, 31/33, 33/13, 13/15, 37/35, 45/25, 15/35

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Fig.137 (*) [28 boules, 18 coups] : 33/53, 41/43, 44/42, 24/44, 63/43, 43/41, 45/43, 25/45, 65/63, 45/65, 57/55, 65/45, 36/56, 37/57, 57/55, 45/65, 13/33, 15/13, 43/23, 13/33, 33/31, 31/51, 51/53, 53/73, 73/75, 75/55, 55/53
 Fig.138 [28 boules, 20 coups] : 13/15, 51/53, 45/25, 65/45, 15/35, 45/25, 53/55, 73/53, 75/73, 31/51, 43/63, 73/53, 47/45, 55/35, 25/45, 45/43, 43/63, 63/65, 24/44, 23/43, 43/41, 51/31, 31/33, 57/55, 65/45, 45/43, 43/23

Fig.139 (**) [28 boules, 24 coups] : 45/43, 25/45, 15/13, 37/35, 45/25, 65/45, 57/55, 45/65, 42/44, 23/43, 25/23, 13/33, 43/45, 74/54, 75/55, 45/65, 47/45, 32/34, 63/43, 51/53, 31/51, 54/52, 51/53, 53/33, 33/35, 35/55, 65/45
 Fig.140 (**) [29 boules, 24 coups] : 15/35, 56/54, 35/55, 54/56, 52/54, 73/53, 53/55, 56/54, 37/35, 57/37, 75/73, 54/74, 73/75, 75/55, 34/36, 14/34, 37/35, 34/36, 36/56, 56/54, 23/43, 31/33, 43/23, 13/33, 41/43, 33/53, 54/52, 51/53
 Fig.141 (*) [29 boules, 25 coups] : 24/44, 54/34, 55/57, 75/55, 45/65, 25/45, 57/37, 37/35, 34/36, 32/34, 53/33, 33/35, 36/34, 41/43, 13/33, 34/32, 15/13, 31/33, 43/23, 13/33, 73/75, 75/55, 45/65, 51/53, 63/43, 65/63, 33/53, 63/43
 Fig.142 (*) [29 boules, 22 coups] : 33/35, 36/34, 31/33, 34/32, 14/34, 57/37, 45/47, 65/45, 37/57, 57/55, 45/65, 75/55, 54/56, 74/54, 42/44, 44/24, 51/31, 31/33, 53/55, 56/54, 73/53, 53/55, 23/43, 25/23, 13/33, 33/53, 52/54, 54/56
 Fig.143 (**) [29 boules, 23 coups] : 51/53, 32/52, 31/51, 57/37, 37/35, 56/36, 54/56, 52/54, 73/53, 54/52, 51/53, 35/55, 56/54, 54/52, 75/73, 65/63, 73/53, 52/54, 44/42, 24/44, 44/64, 23/43, 42/44, 13/15, 15/35, 36/34, 34/54, 64/44
 Fig.144 [29 boules, 24 coups] : 34/36, 14/34, 33/35, 36/34, 31/33, 34/32, 73/53, 53/33, 32/34, 51/31, 65/63, 45/65, 56/36, 75/73, 73/53, 53/55, 65/45, 52/32, 31/33, 34/32, 37/35, 45/25, 57/37, 15/35, 13/33, 32/34, 34/36, 37/35

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Fig.145 (*) [29 boules, 23 coups] : 42/44, 63/43, 44/42, 64/44, 41/43, 44/42, 46/44, 34/54, 32/34, 65/45, 57/55, 54/56, 73/75, 51/53, 37/57, 57/55, 45/65, 75/55, 24/44, 13/33, 15/35, 36/34, 44/24, 14/34, 34/32, 32/52, 52/54, 54/56
 Fig.146 (*) [29 boules, 25 coups] : 42/44, 37/35, 35/55, 47/45, 55/35, 35/33, 54/34, 33/35, 25/45, 74/54, 75/55, 45/65, 63/43, 13/33, 15/13, 43/23, 13/33, 57/55, 65/45, 32/34, 24/44, 45/43, 51/53, 43/63, 73/53, 54/52, 31/51, 51/53
 Fig.147 (*) [30 boules, 27 coups] : 33/53, 34/14, 36/34, 44/24, 56/36, 14/34, 63/43, 65/63, 73/53, 75/73, 43/63, 73/53, 54/56, 52/54, 57/55, 54/56, 15/35, 35/33, 23/43, 37/35, 35/55, 56/54, 31/33, 43/23, 13/33, 41/43, 33/53, 54/52, 51/53
 Fig.148 (**) [30 boules, 23 coups] : 41/43, 35/37, 56/36, 37/35, 44/46, 25/45, 23/25, 43/23, 31/33, 23/43, 53/33, 73/53, 65/63, 63/43, 43/23, 75/73, 45/65, 47/45, 15/35, 45/25, 13/15, 15/35, 35/33, 23/43, 51/53, 43/63, 73/53, 53/55, 55/75
 Fig.149 (**) [30 boules, 25 coups] : 15/13, 53/73, 51/53, 32/52, 43/63, 55/53, 52/54, 31/51, 73/53, 54/52, 74/54, 51/53, 54/52, 57/55, 34/54, 46/44, 44/64, 25/45, 37/35, 45/25, 23/43, 25/23, 13/33, 33/53, 52/54, 54/56, 75/55, 56/54, 54/74
 Fig.150 (*) [30 boules, 27 coups] : 15/35, 23/25, 43/23, 63/43, 55/53, 43/63, 41/43, 74/54, 35/15, 57/55, 54/56, 75/55, 56/54, 73/53, 43/63, 51/53, 63/43, 44/24, 23/25, 15/35, 35/55, 54/56, 37/35, 56/36, 36/34, 31/33, 43/23, 13/33, 34/32
 Fig.151 (*) [30 boules, 27 coups] : 15/35, 54/56, 74/54, 35/55, 13/15, 34/14, 54/34, 56/54, 15/13, 43/23, 31/33, 34/32, 13/33, 32/34, 52/32, 54/52, 73/53, 52/54, 47/45, 37/35, 34/36, 75/55, 54/56, 57/55, 55/35, 36/34, 51/31, 31/33, 34/32
 Fig.152 (*) [30 boules, 25 coups] : 34/32, 45/65, 43/45, 53/55, 55/35, 25/45, 23/25, 41/43, 74/54, 57/55, 54/56, 73/53, 43/63, 31/33, 46/44, 51/53, 63/43, 43/45, 75/55, 45/65, 15/35, 13/15, 36/34, 33/35, 37/57, 57/55, 65/45, 45/25, 15/35