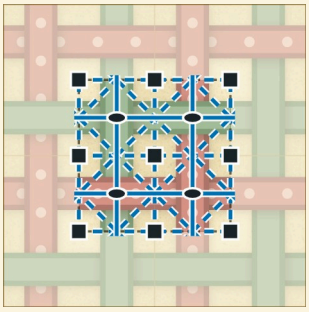
Repeating Knot Cards

Solutions: the nine targets

Each target's square of four, with its mirrors, glides and turn centres marked over one repeat, and the group's name. The names describe the weave: over and under count, colours do not. *With colours* gives the group when the ribbon colours must match too; *Shape only*, when over and under are ignored.

mirror · glide: reflect and slide · half-turn centre · quarter-turn centre

1 4*2 (p4g)

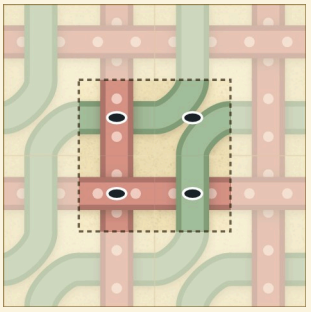


Target 1: T · T / T · T

The plain weave: quarter turns and mirrors

With colours ***2222** · Shape only ***442**

2 2222 (p2)

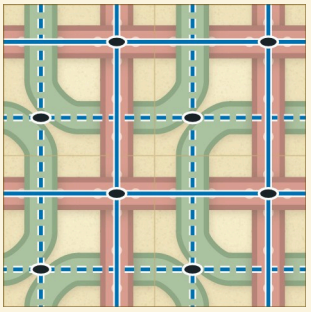


Target 2: G · G / G · G

Half turns only

With colours same · Shape only **2*22**

3 2*22 (cmm)

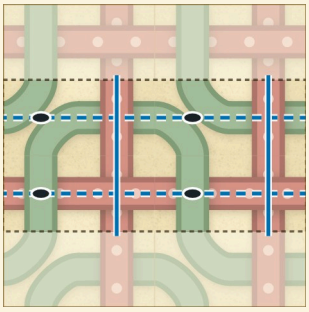


Target 3: E · G / G · E

Mirrors in two directions, half turns

With colours same · Shape only ***442**

4 22* (pmg)

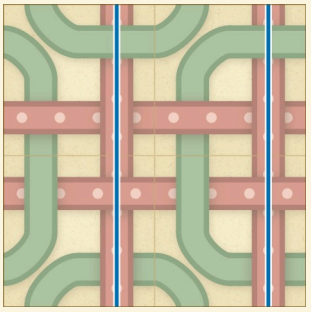


Target 4: G · E / G · E

Parallel mirrors, half turns, glides

With colours same · Shape only same

5 ** (pm)

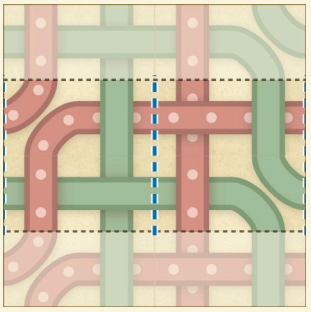


Target 5: G ʊ1 · E ʊ1 / G · E

Parallel mirrors only

With colours same · Shape only ***2222**

6 ×× (pg)

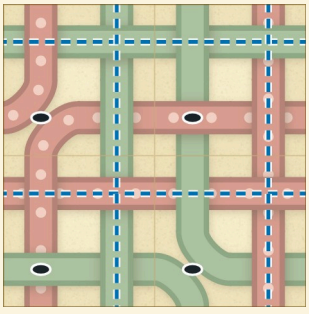


Target 6: R · E ʊ2 / R · E ʊ2

Glides only: reflect and slide

With colours **o** · Shape only same

7 22× (pgg)

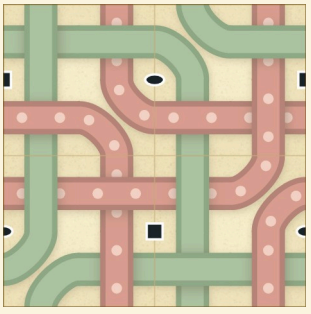


Target 7: R · T ʊ2 / T · E

Half turns and glides, no mirrors

With colours **o** · Shape only **4*2**

8 442 (p4)

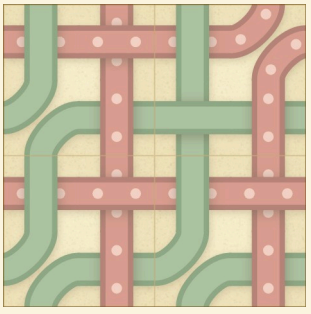


Target 8: R ʊ3 · G ʊ1 / G · R ʊ2

Quarter turns, no mirrors

With colours **o** · Shape only **4*2**

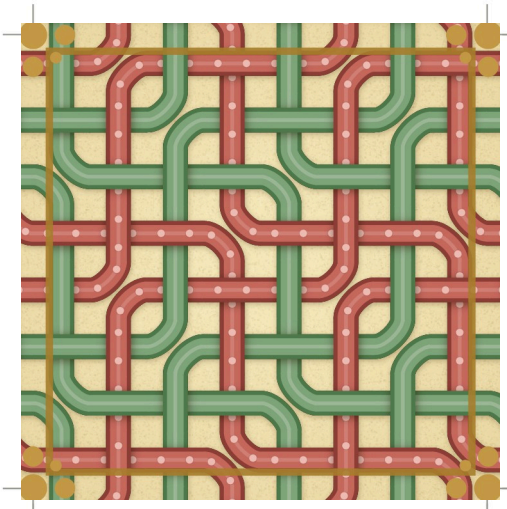
9 o (p1)

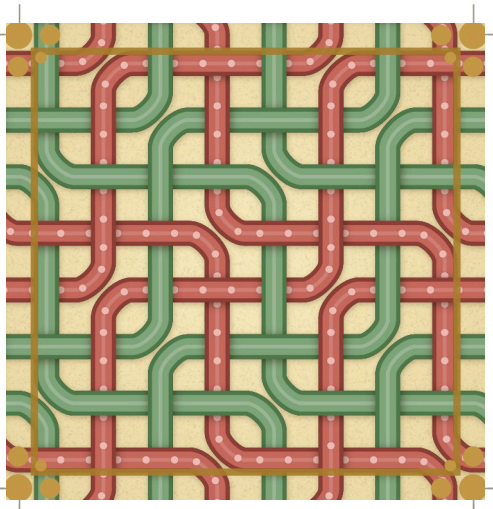


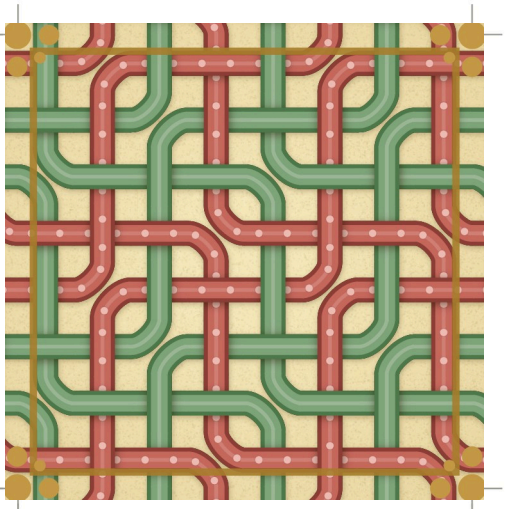
Target 9: G · R ʊ2 / G · G

Translations only

With colours same · Shape only ******



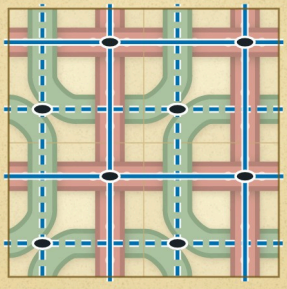




TARGET 3

2*22 (cmm)

Mirrors in two directions, half turns

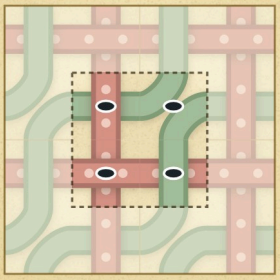


With colours same · Shape only ***442**

TARGET 2

2222 (p2)

Half turns only

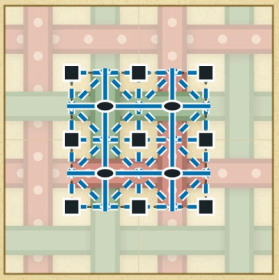


With colours same · Shape only **2*22**

TARGET 1

4*2 (p4g)

The plain weave: quarter turns and mirrors

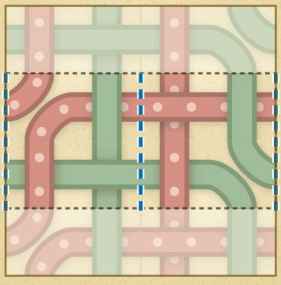


With colours ***2222** · Shape only ***442**

TARGET 6

×× (pg)

Glides only: reflect and slide

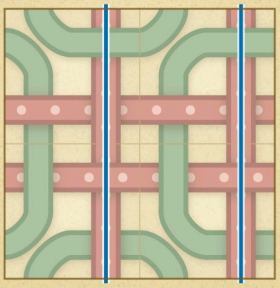


With colours **o** · Shape only same

TARGET 5

****** (pm)

Parallel mirrors only

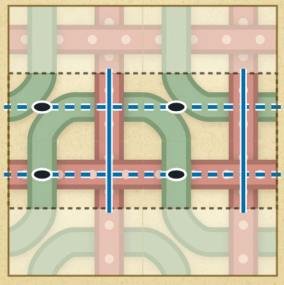


With colours same · Shape only ***2222**

TARGET 4

22* (pmg)

Parallel mirrors, half turns, glides

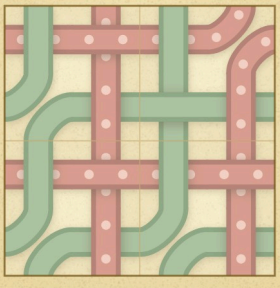


With colours same · Shape only same

TARGET 9

o (p1)

Translations only

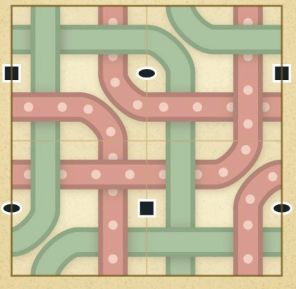


With colours same · Shape only ****

TARGET 8

442 (p4)

Quarter turns, no mirrors

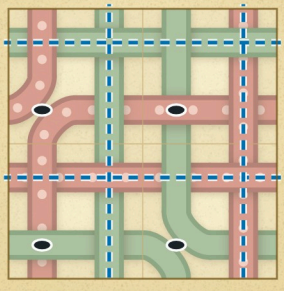


With colours **o** · Shape only **4*2**

TARGET 7

22× (pgg)

Half turns and glides, no mirrors



With colours **o** · Shape only **4*2**