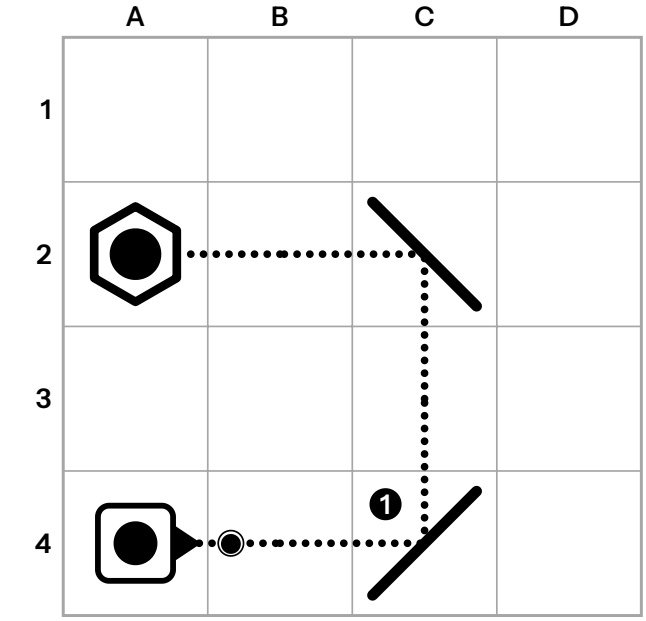
Answers and explanations

Steering Light with Mirrors

Light in the answer diagrams

green · blue · number of taps

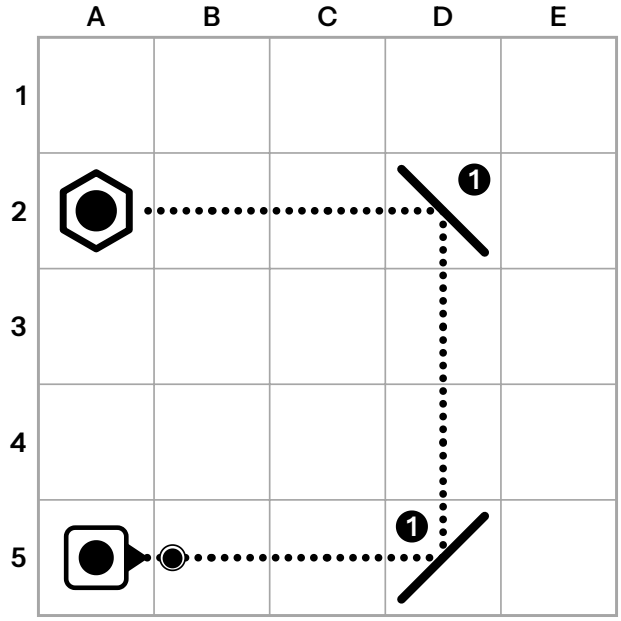
1 Turn one mirror



Turn C4 once. Leave C2 alone.

The light heading right turns up at C4 and left at C2, reaching the crystal at A2.

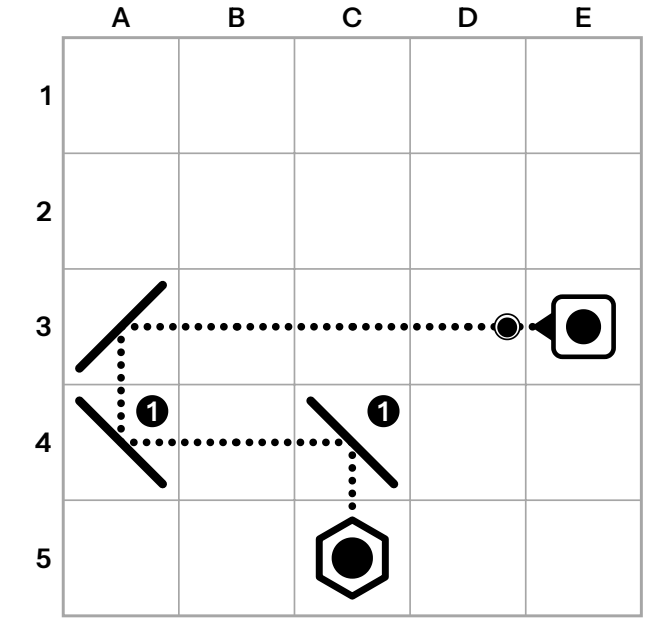
2 Two bends



Turn D2 and D5 once each.

The light turns up at D5, climbs the column, and turns left at D2 to reach the crystal at A2.

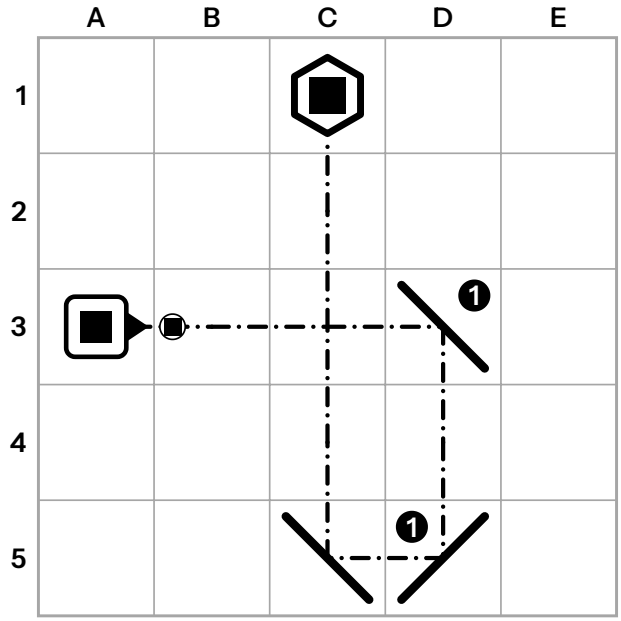
3 Find the right mirrors



Turn A4 and C4 once each. Leave A3 alone.

The light heading left turns down at A3, right at A4 and down again at C4, reaching the crystal at C5.

4 Across its own path



Turn D3 and D5 once each. Leave C5 alone.

The light turns down at D3, left at D5 and up at C5. On its way up it crosses C3 and reaches the crystal at C1.

Back page answers

1. It went straight to the right from the source, turned down at the C4 mirror and left the board at the bottom.
2. In order: up, down, down, up.
3. Board 2: twice. Board 3: three times. Board 4: three times. With the A3 mirror turned, the light turns up at A3 and leaves the board at the top.
4. In cell C3. It did not change direction there. The light only bent where it met a mirror.