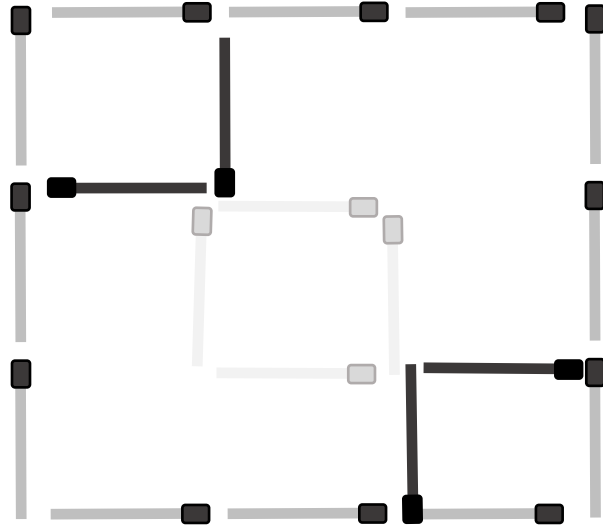
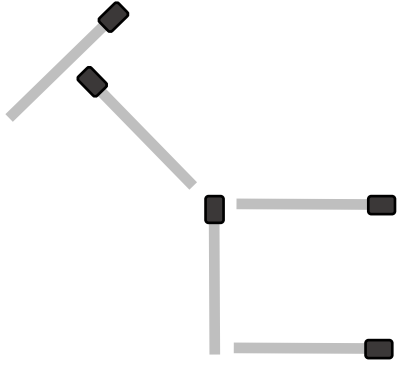


squares

move 4 matchsticks to
make 3 squares

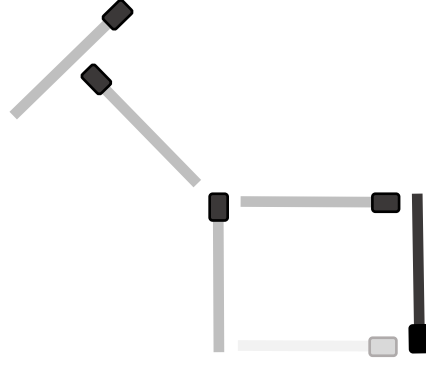


squares

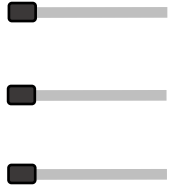


donkey

move 1 matchstick to turn
the donkey

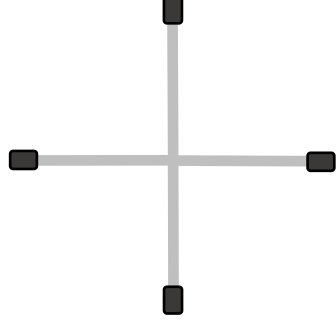


donkey



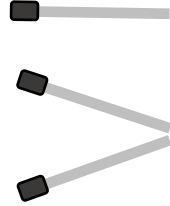
3 to 6

turn 3 matches into 6,
without breaking into
pieces

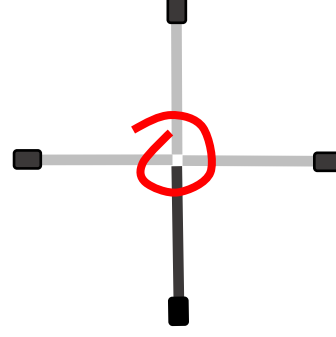


square

move 1 matchstick to
make a square



3 to 6

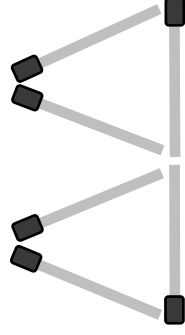


square



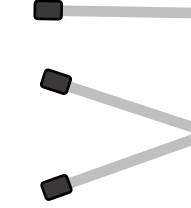
3 to 6

turn 3 matchsticks into 6,
no breaking into pieces

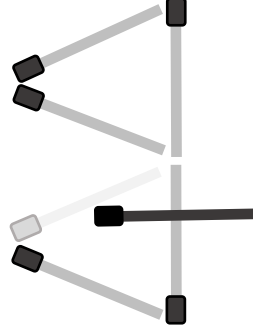


2 triangles

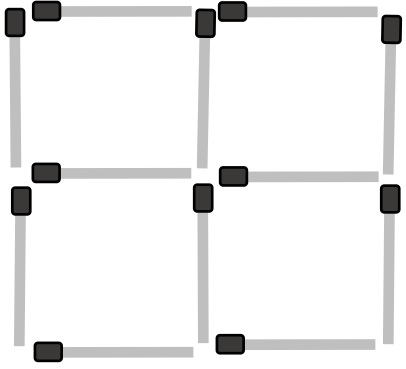
move 1 matchstick to
make 4 triangles



3 to 6

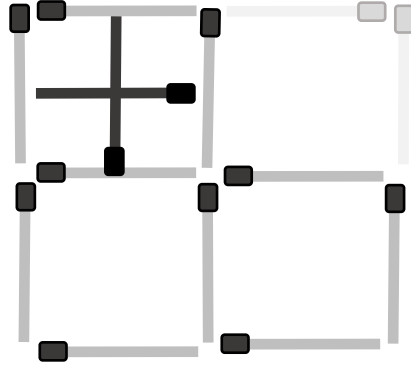


2 triangles

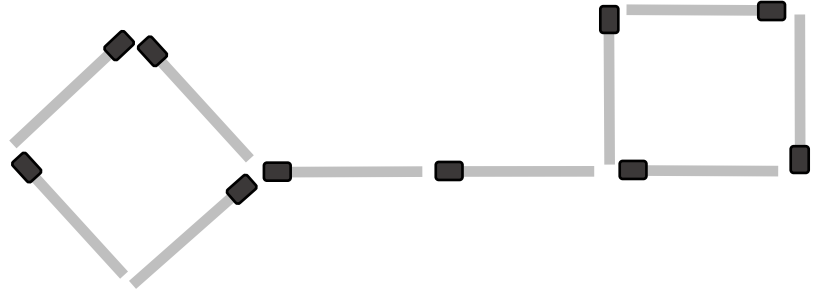


7 squares

turn 2 matchsticks to
make 7 squares

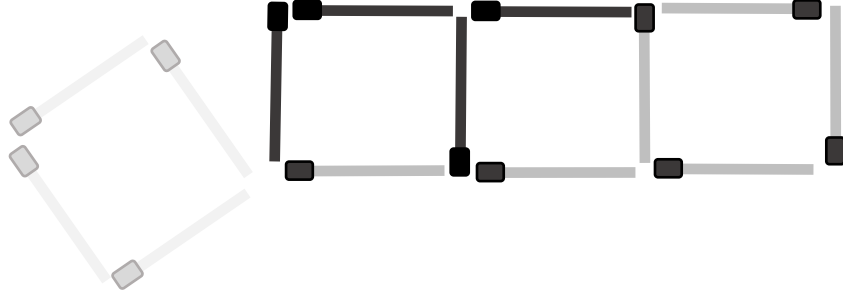


7 squares

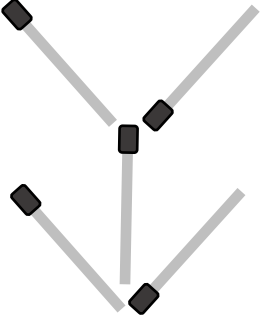


key

move 4 matchsticks to
make 3 squares

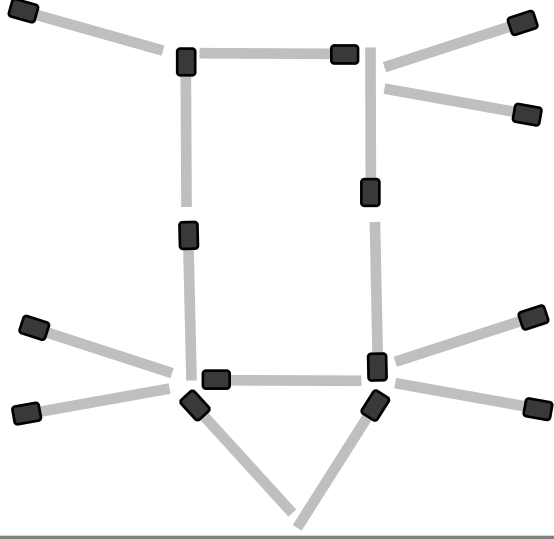


key



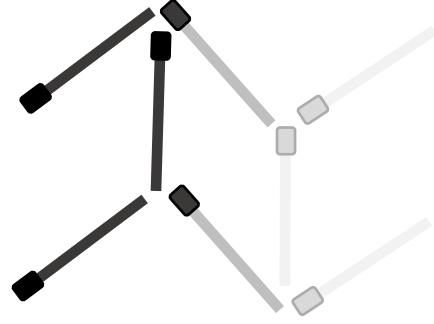
arrow

move 3 matchsticks to
turn arrow the opposite
way

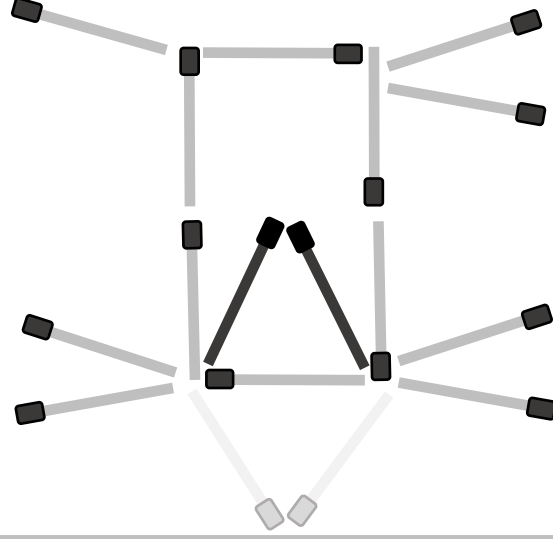


cow

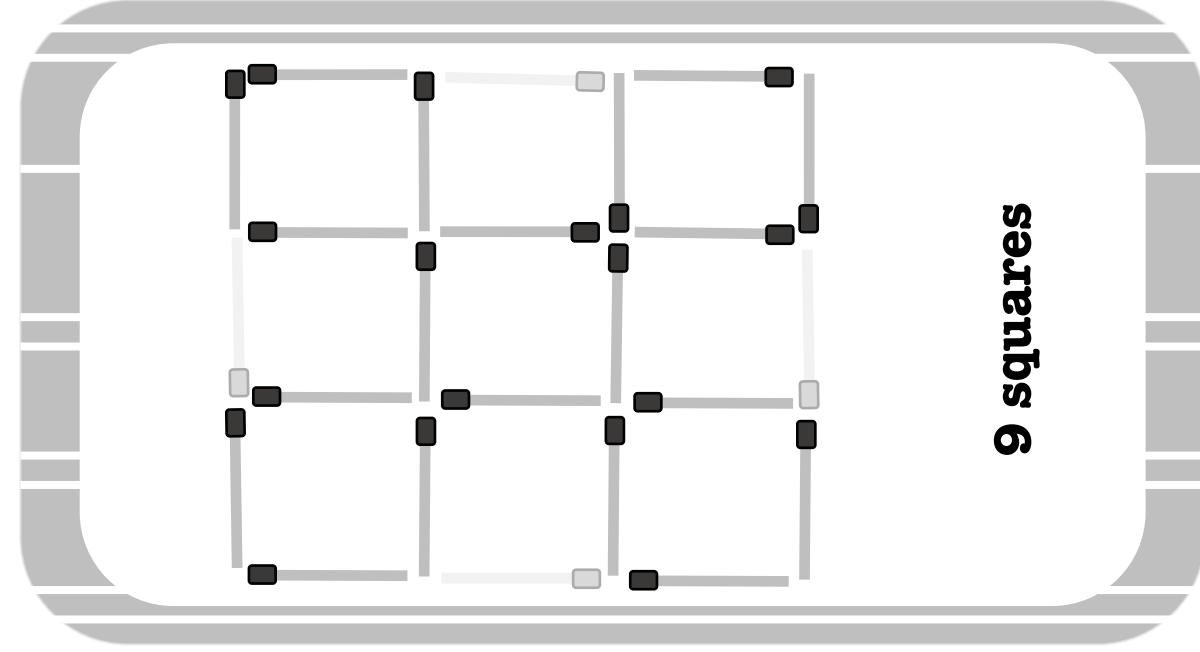
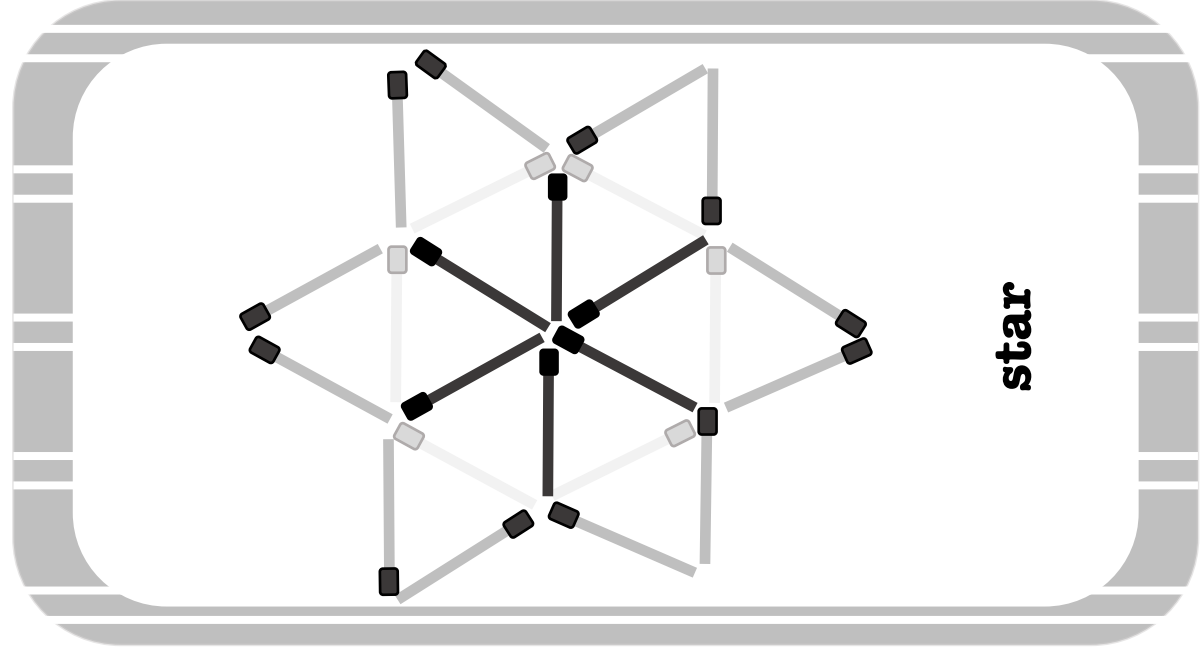
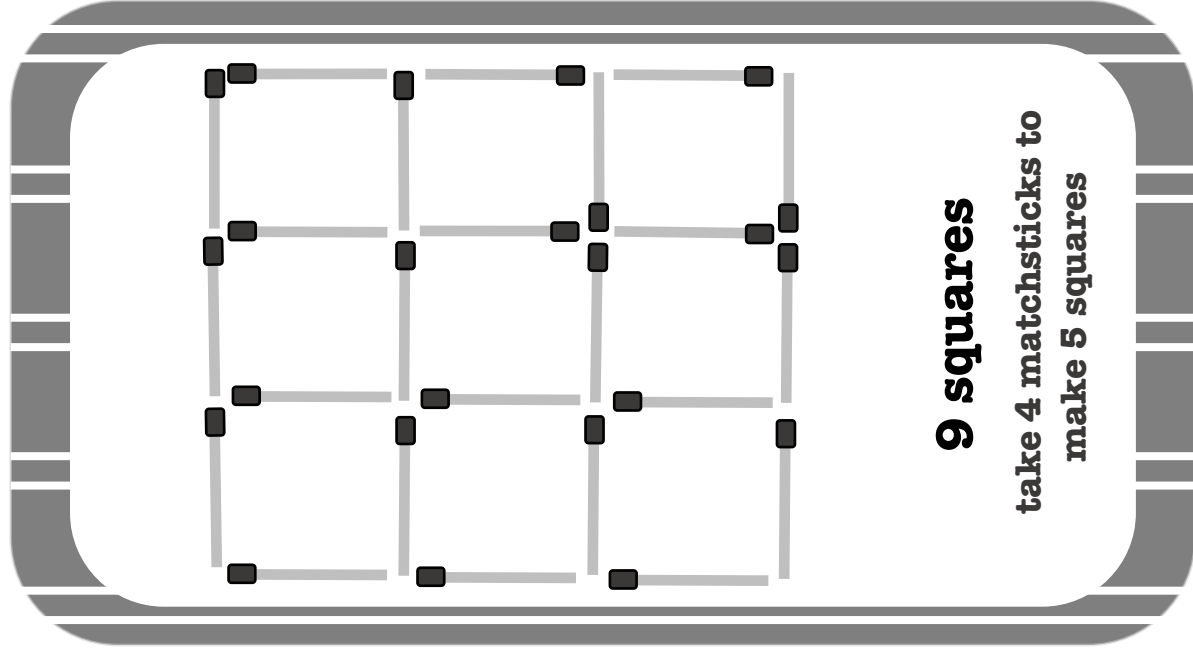
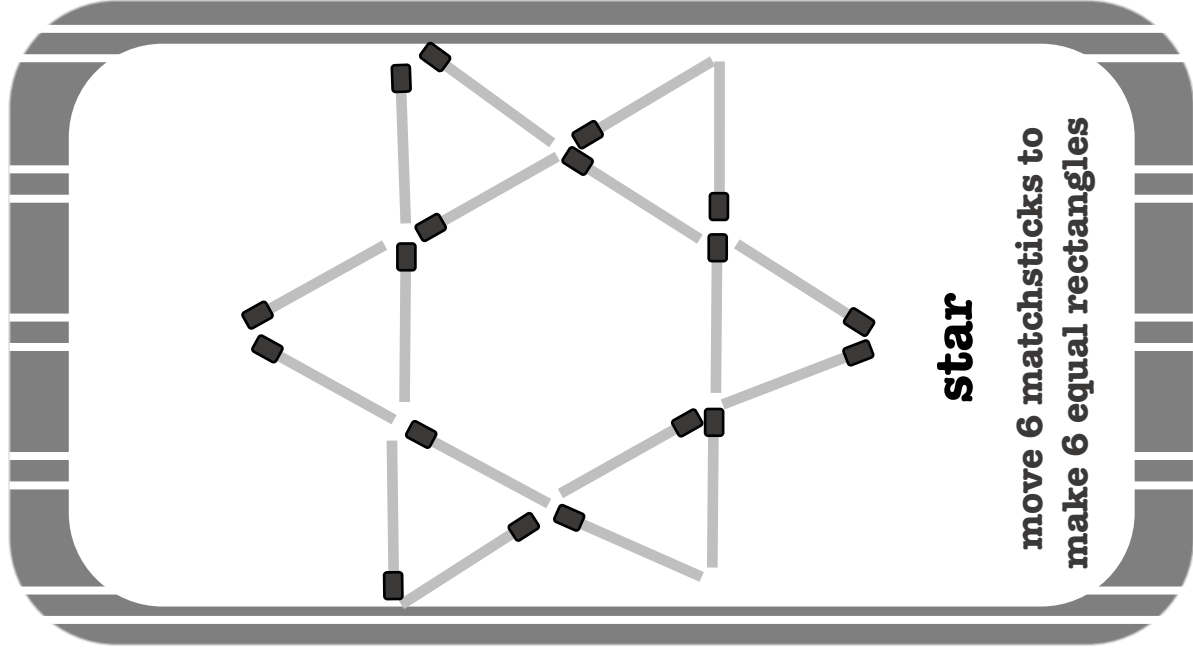
move 2 matchsticks to
make cow look right

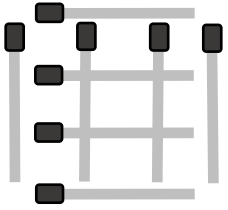


arrow



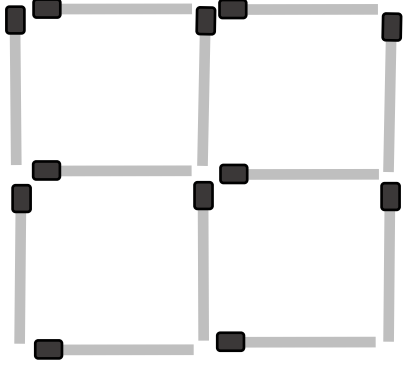
cow





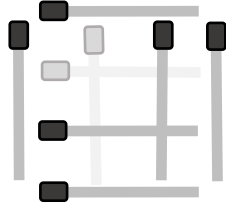
3 squares

take 2 matchsticks to
make 3 squares

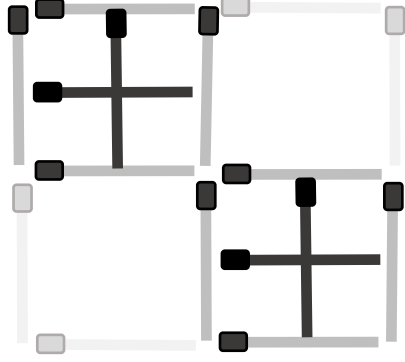


10 squares

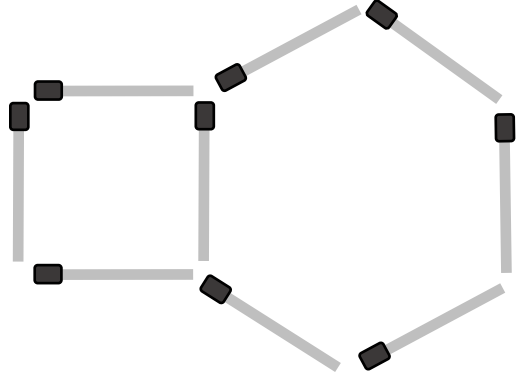
move 4 matchsticks to
make 10 squares



doll

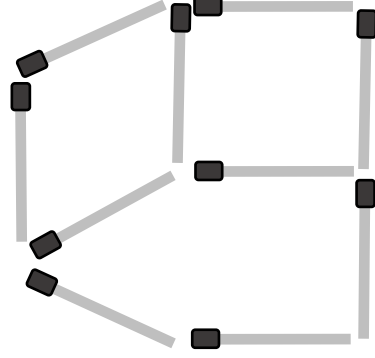


2 triangles



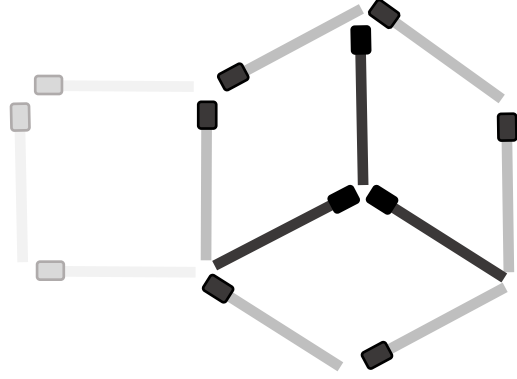
doll

move 3 matchsticks to
make a cube

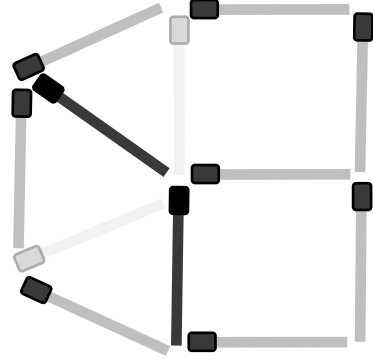


house

move 2 matchsticks to
turn the house



doll



house

axe

move 4 matchsticks to
make 3 equal triangles

The initial configuration consists of a large triangle on the left and a horizontal line of 5 sticks on the right. The large triangle is formed by 3 sticks. The horizontal line is formed by 5 sticks. The goal is to move 4 sticks from the horizontal line to form 3 equal triangles.

temple

move 4 matchsticks to
make 15 squares

The initial configuration consists of a large rectangle on the right and a slanted line of 4 sticks on the left. The large rectangle is formed by 12 sticks. The slanted line is formed by 4 sticks. The goal is to move 4 sticks from the large rectangle to form 15 squares.

axe

The solution shows 3 equal triangles. The large triangle from the initial configuration is now formed by 3 sticks. The horizontal line from the initial configuration is now formed by 3 sticks. The goal is to move 4 sticks from the horizontal line to form 3 equal triangles.

temple

The solution shows 15 squares. The large rectangle from the initial configuration is now formed by 12 sticks. The slanted line from the initial configuration is now formed by 4 sticks. The goal is to move 4 sticks from the large rectangle to form 15 squares.

axe

move 4 matchsticks to
make 3 equal triangles

axe

temple

move 8 matchsticks to
make 4 squares

temple