POWER YOUR FUN

3+

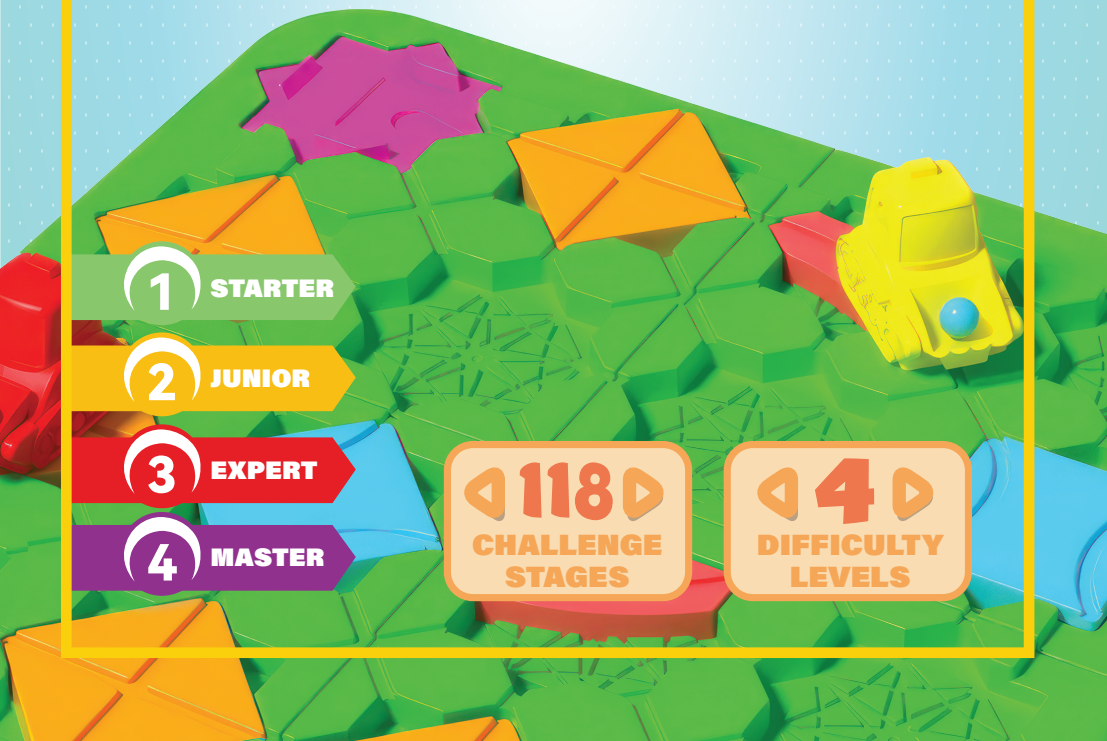
MAZE BUILDERS
TRACK SET

PROBLEM SOLVING SKILLS

SPATIAL INTELLIGENCE

CONCENTRATION

STEM



1 STARTER

2 JUNIOR

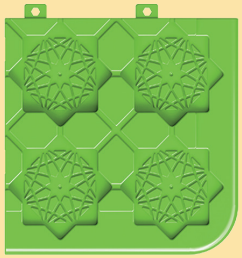
3 EXPERT

4 MASTER

118 CHALLENGE STAGES

4 DIFFICULTY LEVELS

ACCESSORIES LIST



BASE x4

STARTING BLOCK x1

ENDING BLOCK x1

CROSS BLOCK x6

DOUBLE TURNING BLOCK x6

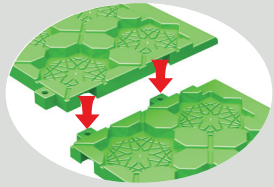
YELLOW BULLDOZER x1

RED BULLDOZER x1

ARC x4

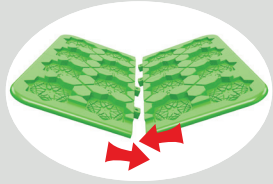
BALL x3

BUILDING THE BOARD:



STEP 1:

Build two square base pieces together to form two rectangular bottom plates that will make your maze board.



STEP 2:

Build the two rectangular bottom plates together, holding them at a V-shaped angle and snapping them together. Now you have your maze board and you're ready to start your first maze!

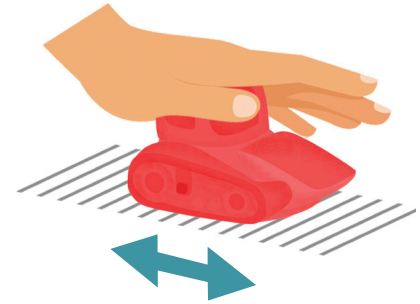
CULTIVATE A KID'S LOGICAL THINKING ABILITY AND PROGRAMMING THINKING ABILITY

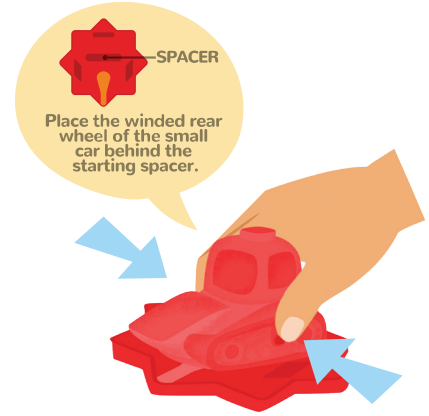
Kids can use their imagination to link the starting point and the ending point with the components to make different tracks and mazes, inspiring creativity while playing!

HOW TO PLAY

Put the starting point piece and ending point piece on your board. Create the trail from the starting point to the ending point by filling it in with different pieces.

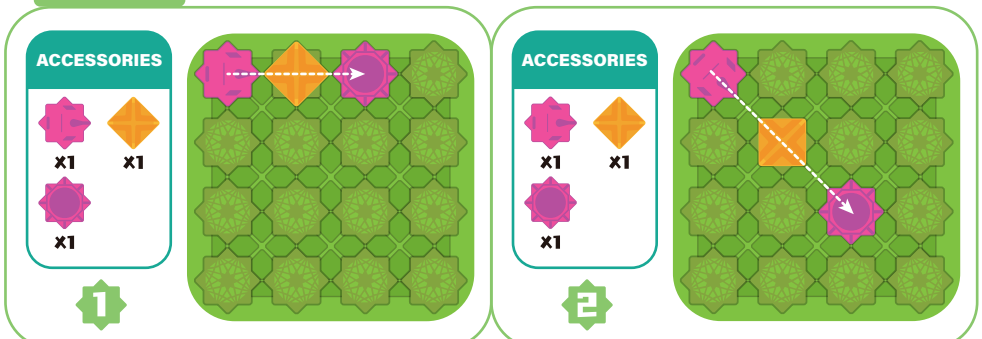
1. Build your board completely and create your maze.
2. Place the bulldozer on flat ground and pull it back. Once it's completely wound up, press the brake buttons on both sides of the bulldozer before lifting it off the ground. (Note: When pulling back, be careful not to wind the car too far past the fully wound stage to prevent damage.)
3. With the brake buttons pressed, place the bulldozer all the way back on the starting point block, and put the small ball in the bulldozer's bucket.
4. Gently push the bulldozer. After the rear wheels of the bulldozer pass the starting spacer, it will move forward to follow the maze to the end and drop the ball off at the ending block.

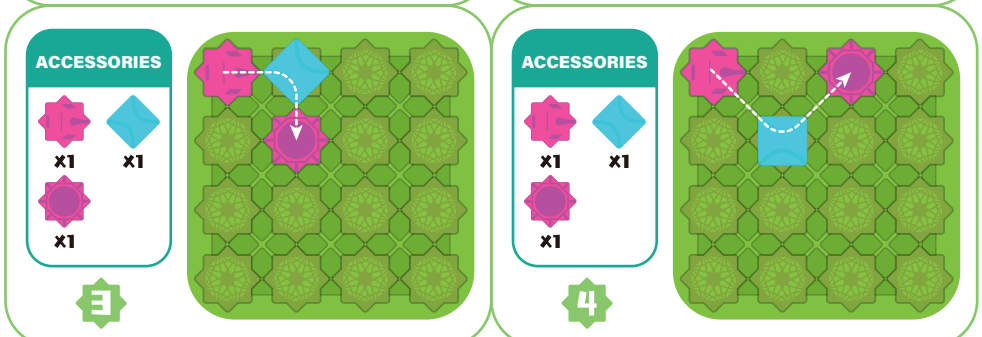


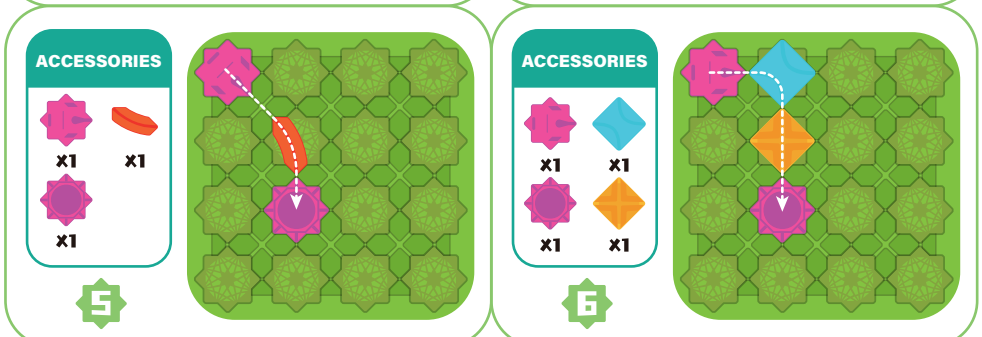


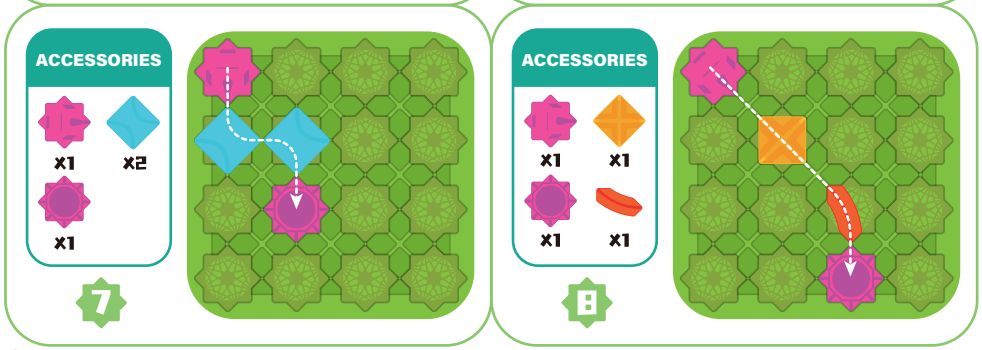
MAZE PRACTICE

Learn more about each component through practice! Can you successfully let the car drive from the starting point to the ending point?



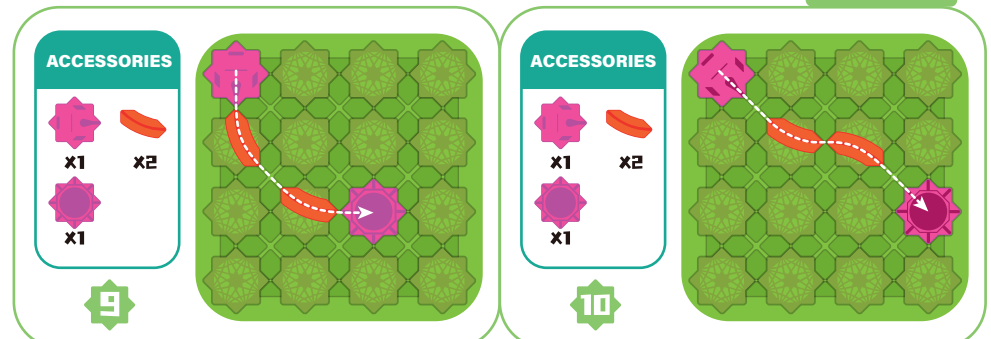


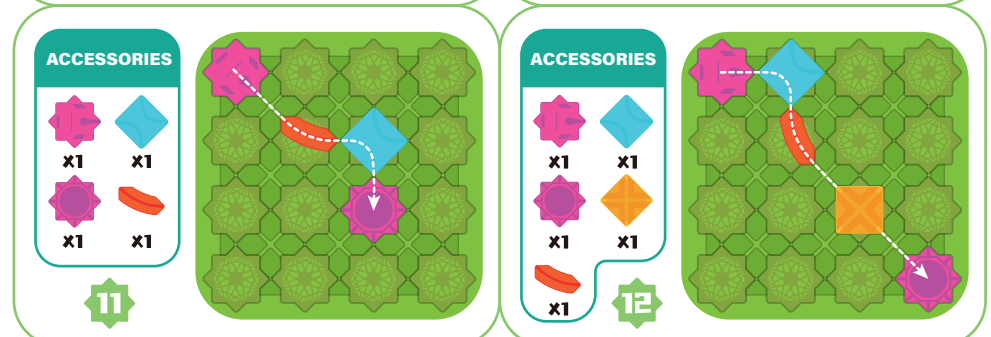


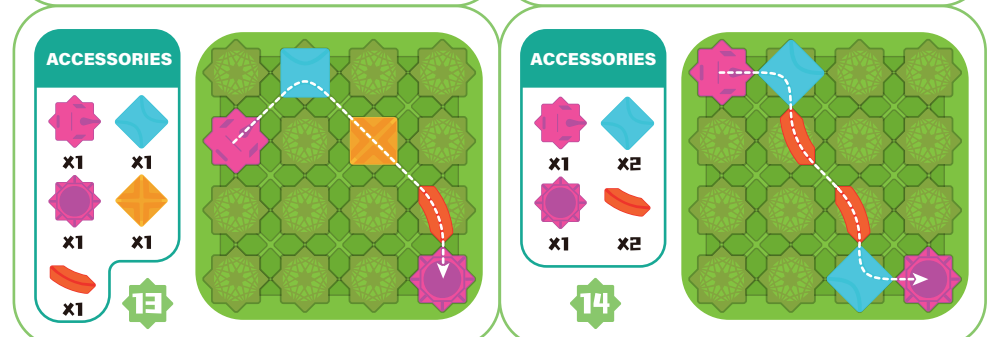


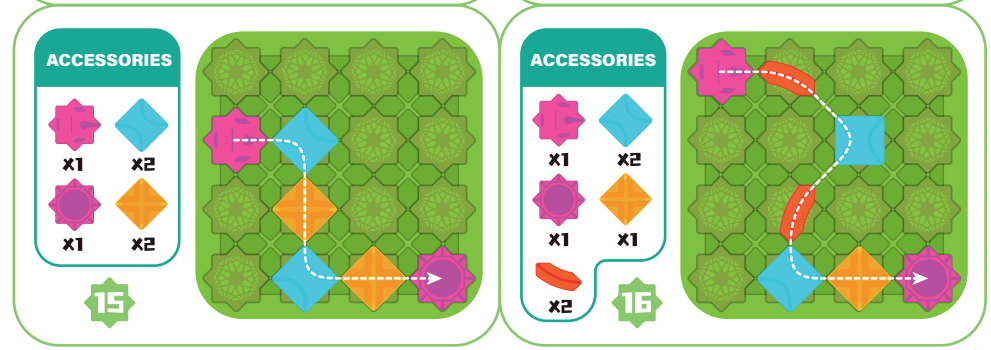
MAZE CHALLENGES

Use each component to build a road from start to end! The same starting point and ending point can be linked by multiple different roads!

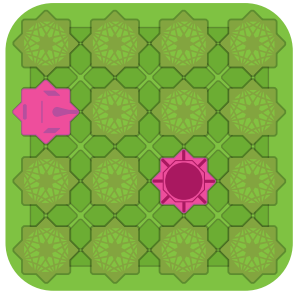








Place the starting and ending blocks on your board as shown in each picture. Use pieces to fill in the board and get your bulldozer from start to end!

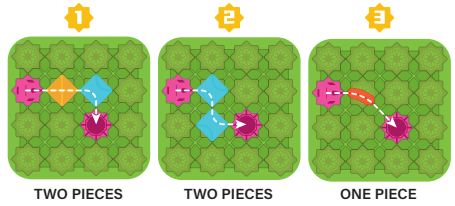


SOLVE PROBLEMS

Link with the least number of pieces.

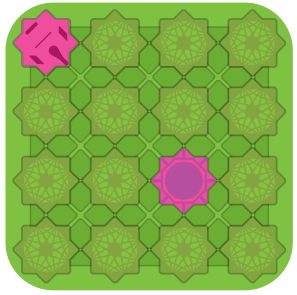
(Tips: One piece is needed for linking.)

If simply linked, you can consider the following 3 example pictures.



The least used number of pieces is solution 3.

The correct answer is solution 3.

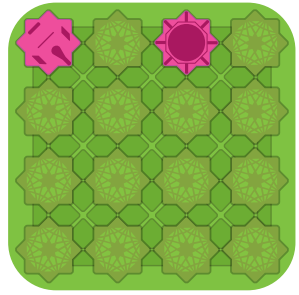


SOLVE PROBLEMS

Link with the least number of pieces.

(Tips: One piece is needed for linking.)

17

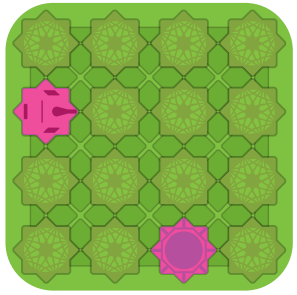


SOLVE PROBLEMS

Link with the least number of pieces.

(Tips: One piece is needed for linking.)

18



SOLVE PROBLEMS

Link with the least number of pieces.

This question has two answers.

(Tips: One piece is needed for linking.)

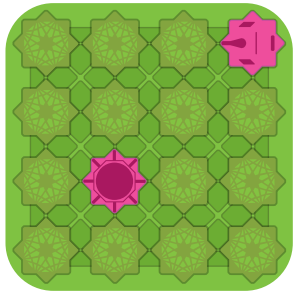
19

SOLVE PROBLEMS

Link with the least number of pieces.

This question has two answers.

20



SOLVE PROBLEMS

Link with the least number of pieces.

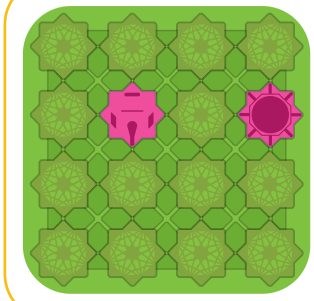
This question has two answers.

21

SOLVE PROBLEMS

Link with the least number of pieces.

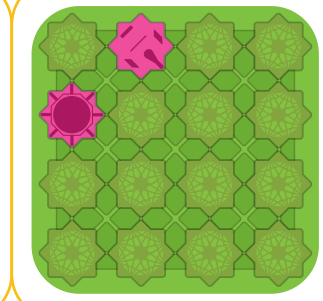
22



SOLVE PROBLEMS

Link with the least number of pieces.

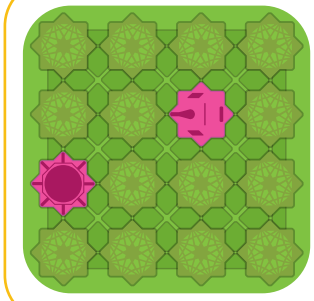
23



SOLVE PROBLEMS

Link with the least number of pieces.

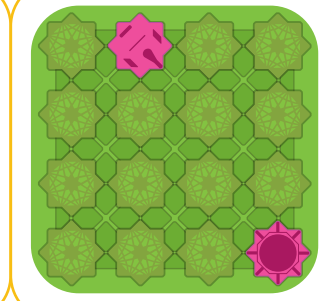
24



SOLVE PROBLEMS

Link with the least number of pieces.

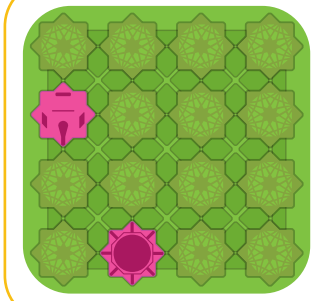
25



SOLVE PROBLEMS

Link with the least number of pieces.

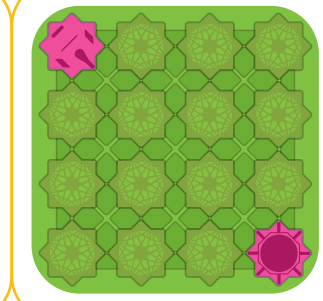
26



SOLVE PROBLEMS

Link with the least number of pieces.

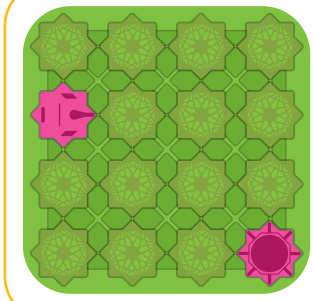
27



SOLVE PROBLEMS

Link with the least number of pieces.

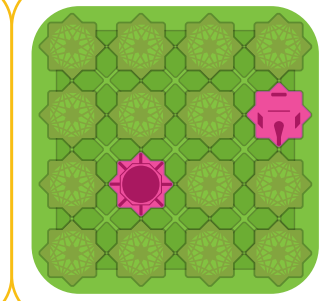
28



SOLVE PROBLEMS

Link with the least number of pieces.

29



SOLVE PROBLEMS

Link with the least number of pieces.

30

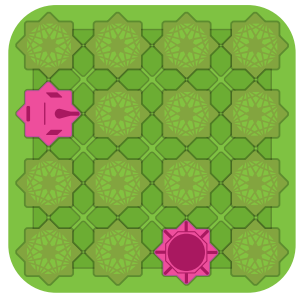
MAZE CHALLENGES

Place the starting and ending blocks on your board as shown in each picture. Use pieces to fill in the board and get your bulldozer from start to end! With these mazes, avoid placing a piece on the spots with a red "X".

SOLVE PROBLEMS

Link with the least number of pieces.

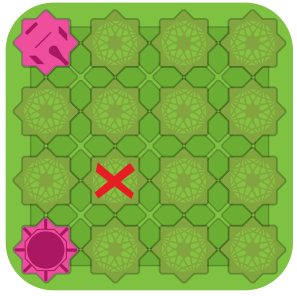
31



SOLVE PROBLEMS

Link with the least number of pieces.

32

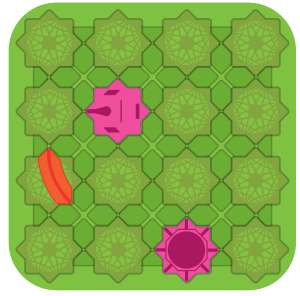


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

33

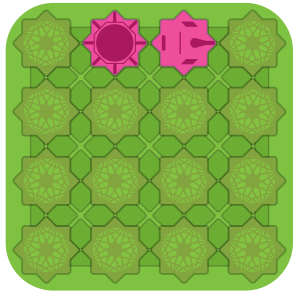


SOLVE PROBLEMS

Link with the least number of pieces.

Connect the placed pieces.

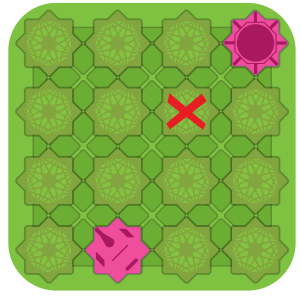
34



SOLVE PROBLEMS

Link with the least number of pieces.

35

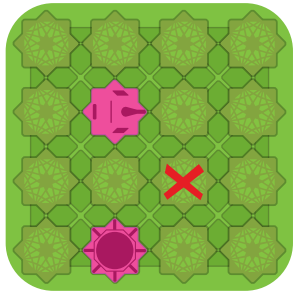


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

36

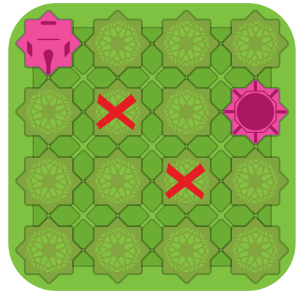


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

37

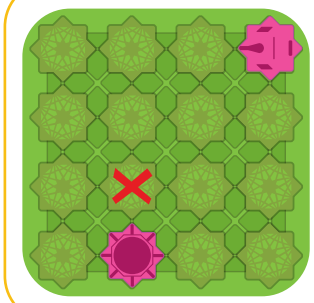


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

38

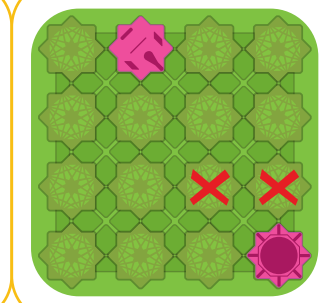


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

39

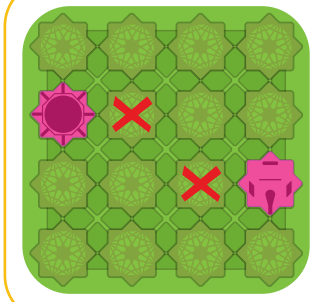


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

40

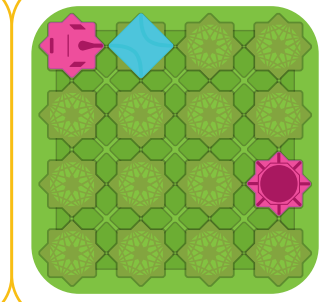


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

41

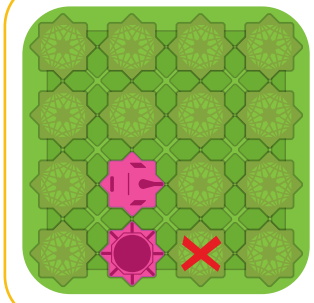


SOLVE PROBLEMS

Link with the least number of pieces.

Connect the placed pieces.

42

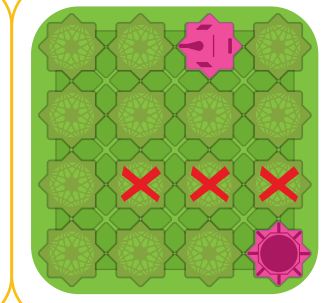


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

43

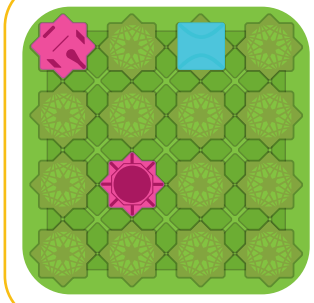


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position.

44

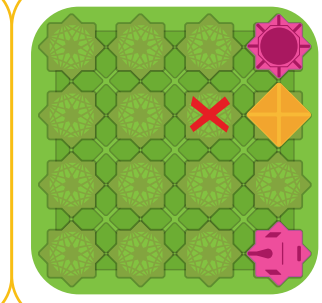


SOLVE PROBLEMS

Link with the least number of pieces.

Connect the placed pieces.

45

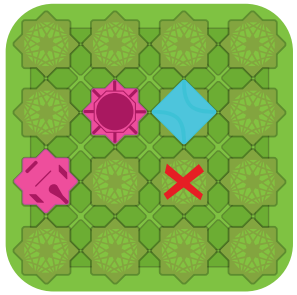


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position and connect the placed pieces.

46

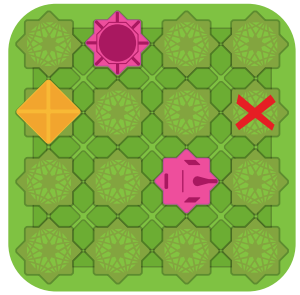


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position and connect the placed pieces.

47

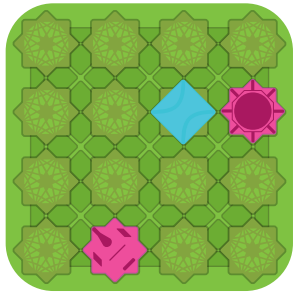


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position and connect the placed pieces.

48

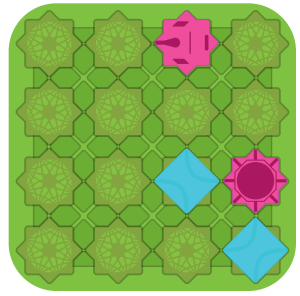


SOLVE PROBLEMS

Link with the least number of pieces.

Connect the placed pieces.

49

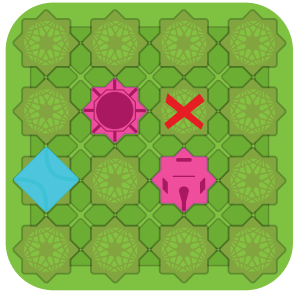


SOLVE PROBLEMS

Link with the least number of pieces.

Connect the placed pieces.

50

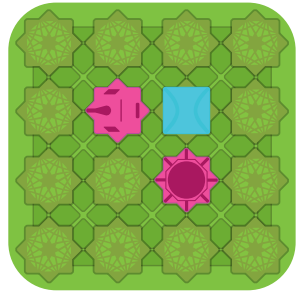


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position and connect the placed pieces.

51

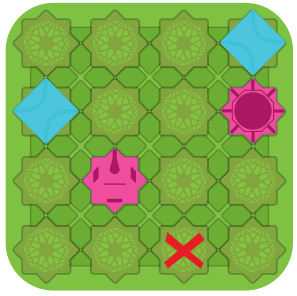


SOLVE PROBLEMS

Link with the least number of pieces.

Connect the placed pieces.

52

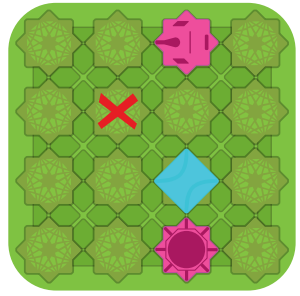


SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position and connect the placed pieces.

53



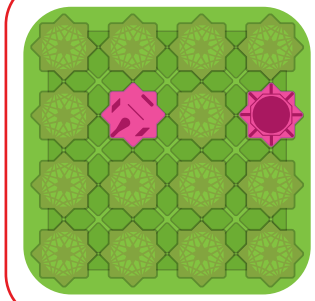
SOLVE PROBLEMS

Link with the least number of pieces.

Avoid hitting the X position and connect the placed pieces.

54

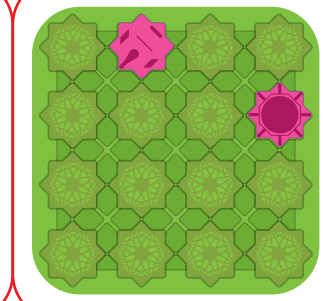
Place the starting and ending blocks on your board as shown in each picture. Use only the pieces shown in the “pieces” box to get your bulldozer from start to end!



PIECES

x2 x1

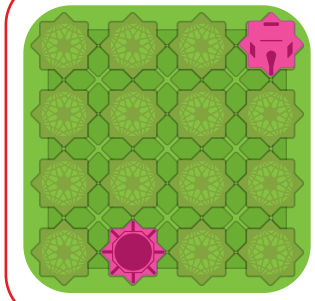
55



PIECES

x1 x2

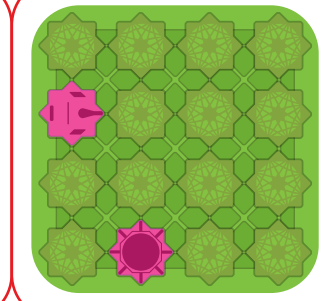
56



PIECES

x2 x1

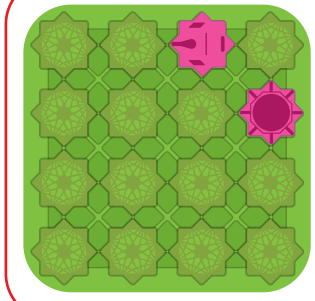
57



PIECES

x1 x2

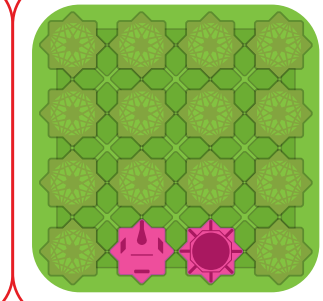
58



PIECES

x1 x3

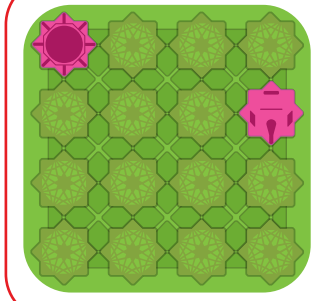
59



PIECES

x2 x2

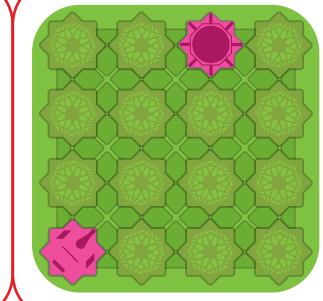
60



PIECES

x1 x1 x2

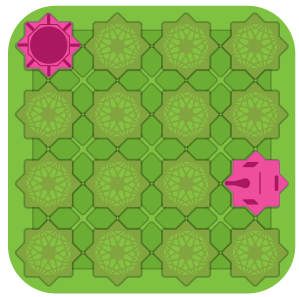
61



PIECES

x2 x1 x1

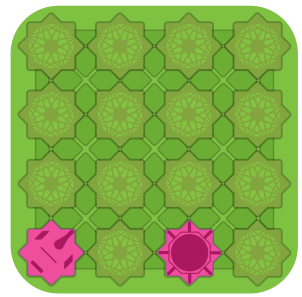
62



PIECES

x1 x3

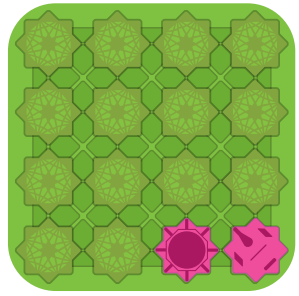
63



PIECES

x4 x1

64

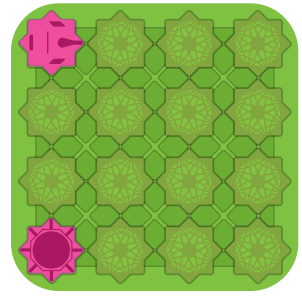


PIECES

x2 x1

x1

65

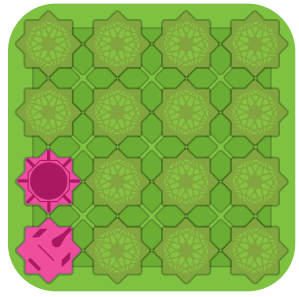


PIECES

x1 x1

x3

66

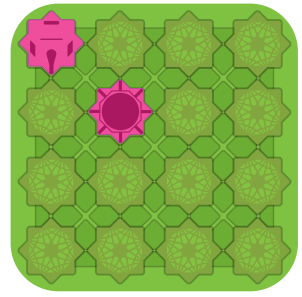


PIECES

x4 x1

x1

67

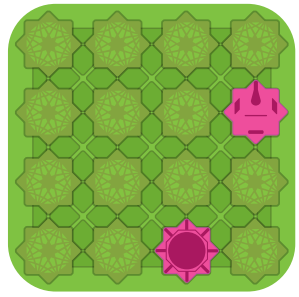


PIECES

x2 x1

x3

68

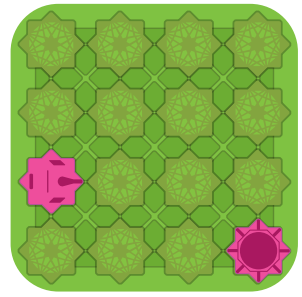


PIECES

x3 x1

x2

69

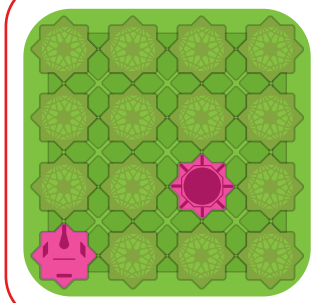


PIECES

x2 x2

x2

70

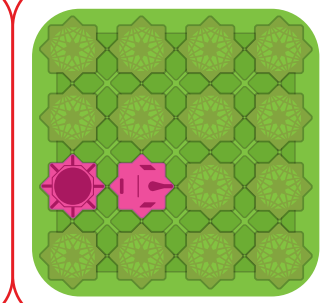


PIECES

x2 x1

x2

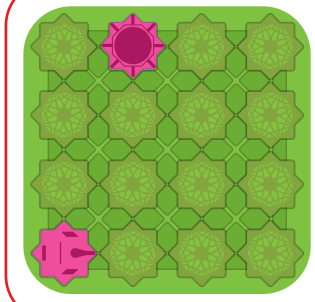
71



PIECES

x5 x1

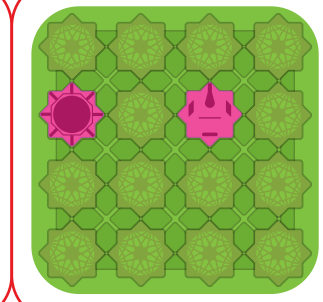
72



PIECES

x4 x4

73

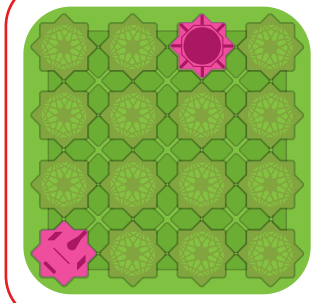


PIECES

x4 x1

x2

74

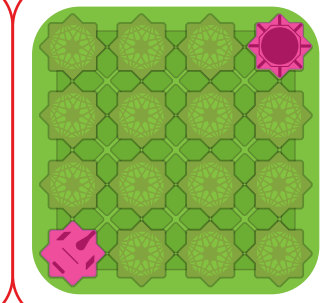


PIECES

x3 x1

x3

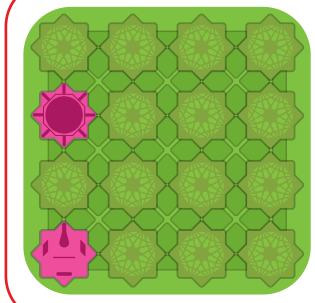
75



PIECES

x5 x2

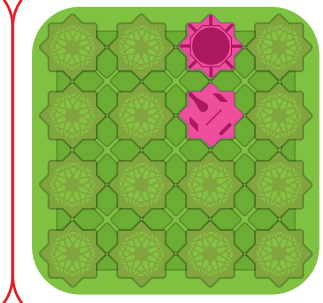
76



PIECES

x5 x3

77

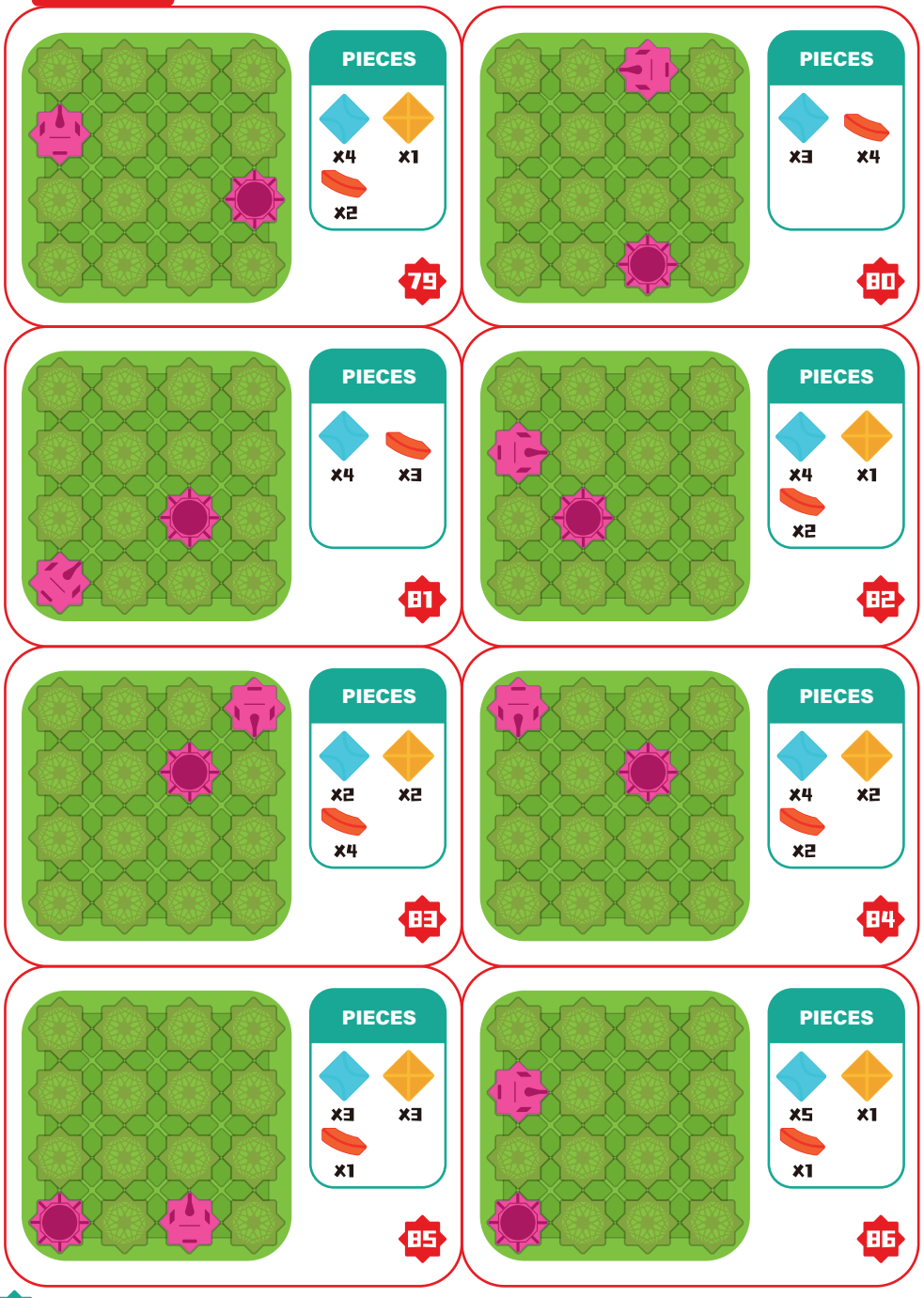


PIECES

x4 x2

x2

78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x2
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PIECES
x3
x4
80
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x3
81
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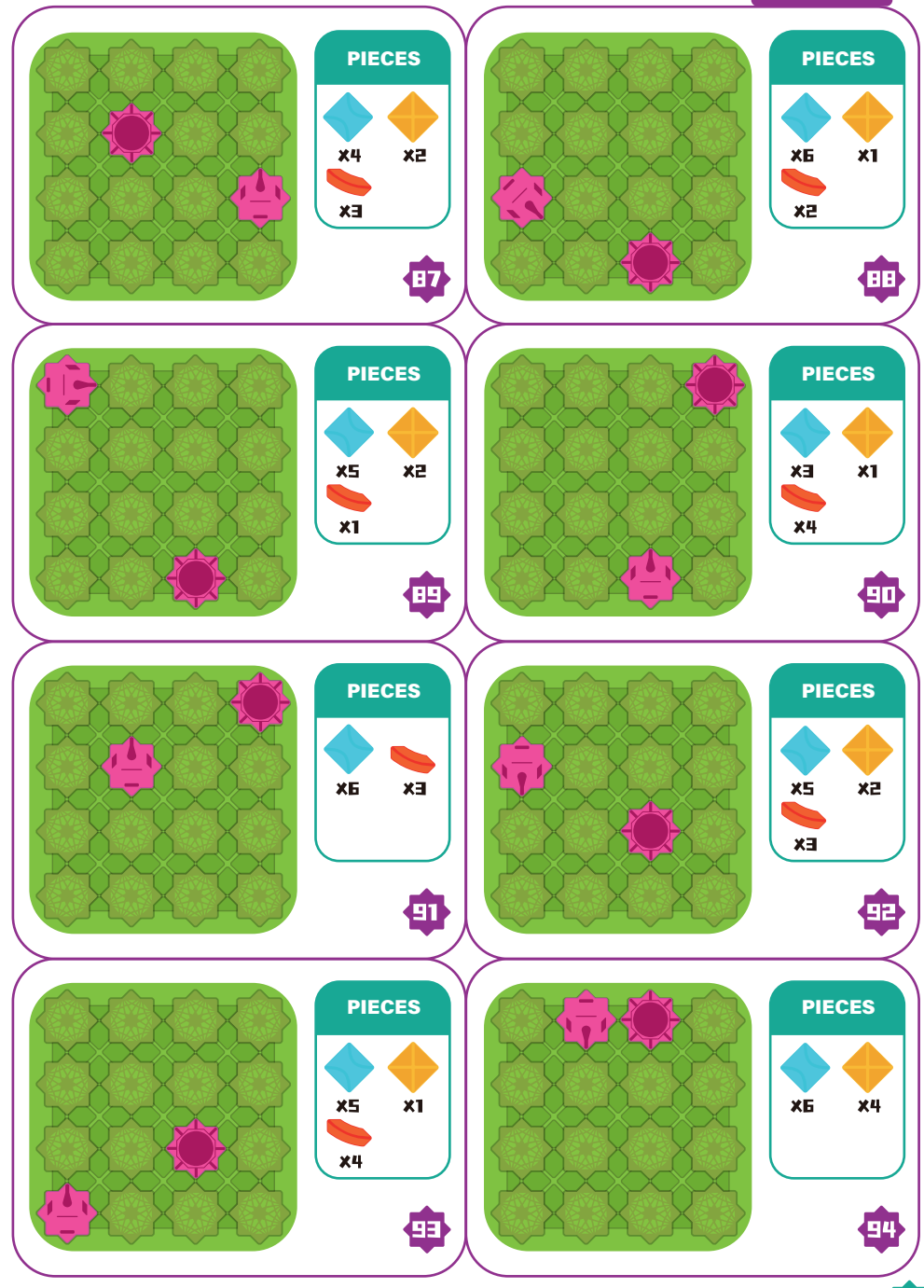
x1
85
PIECES
x5
x1
x1
86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x5
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x6
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x6
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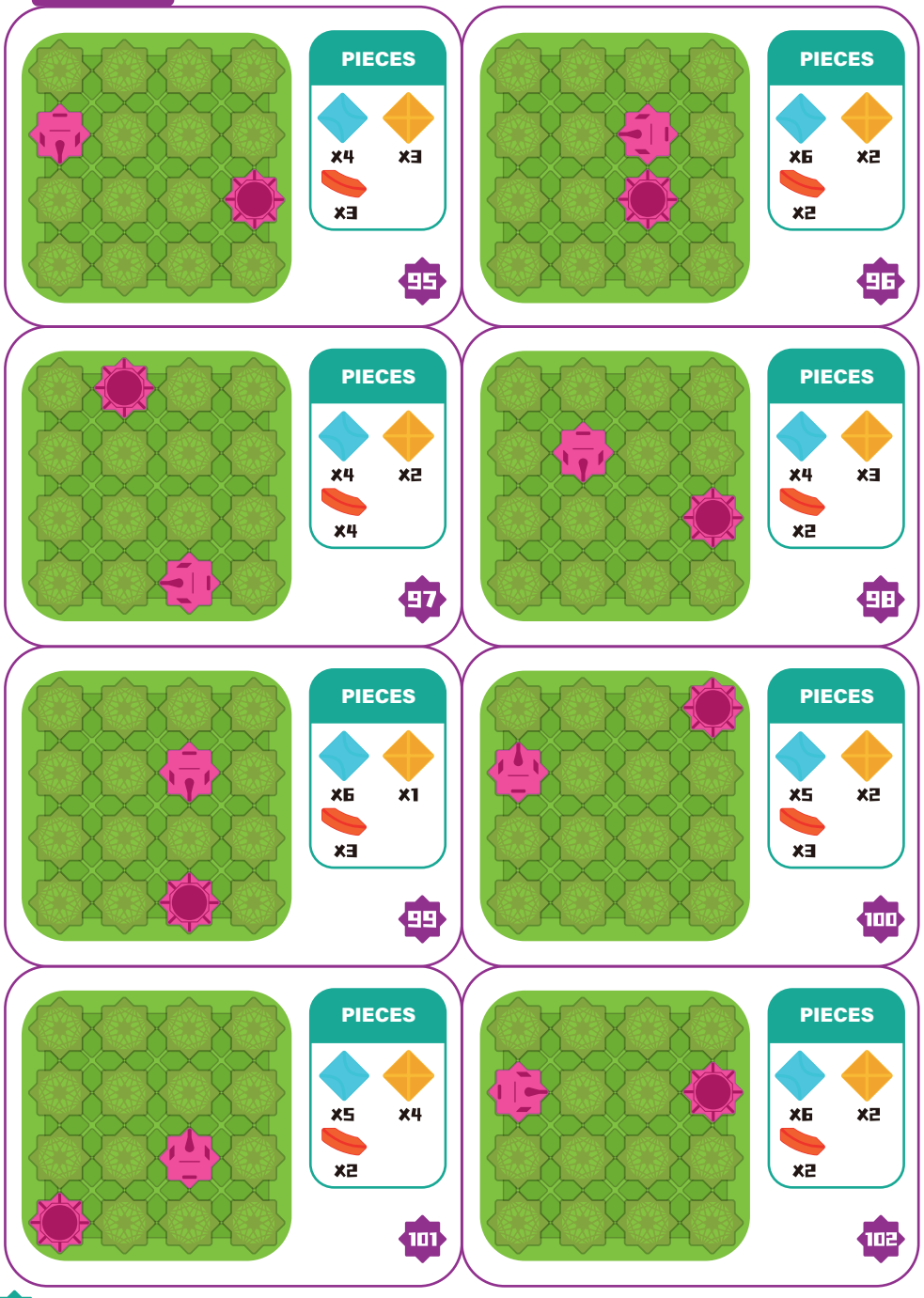
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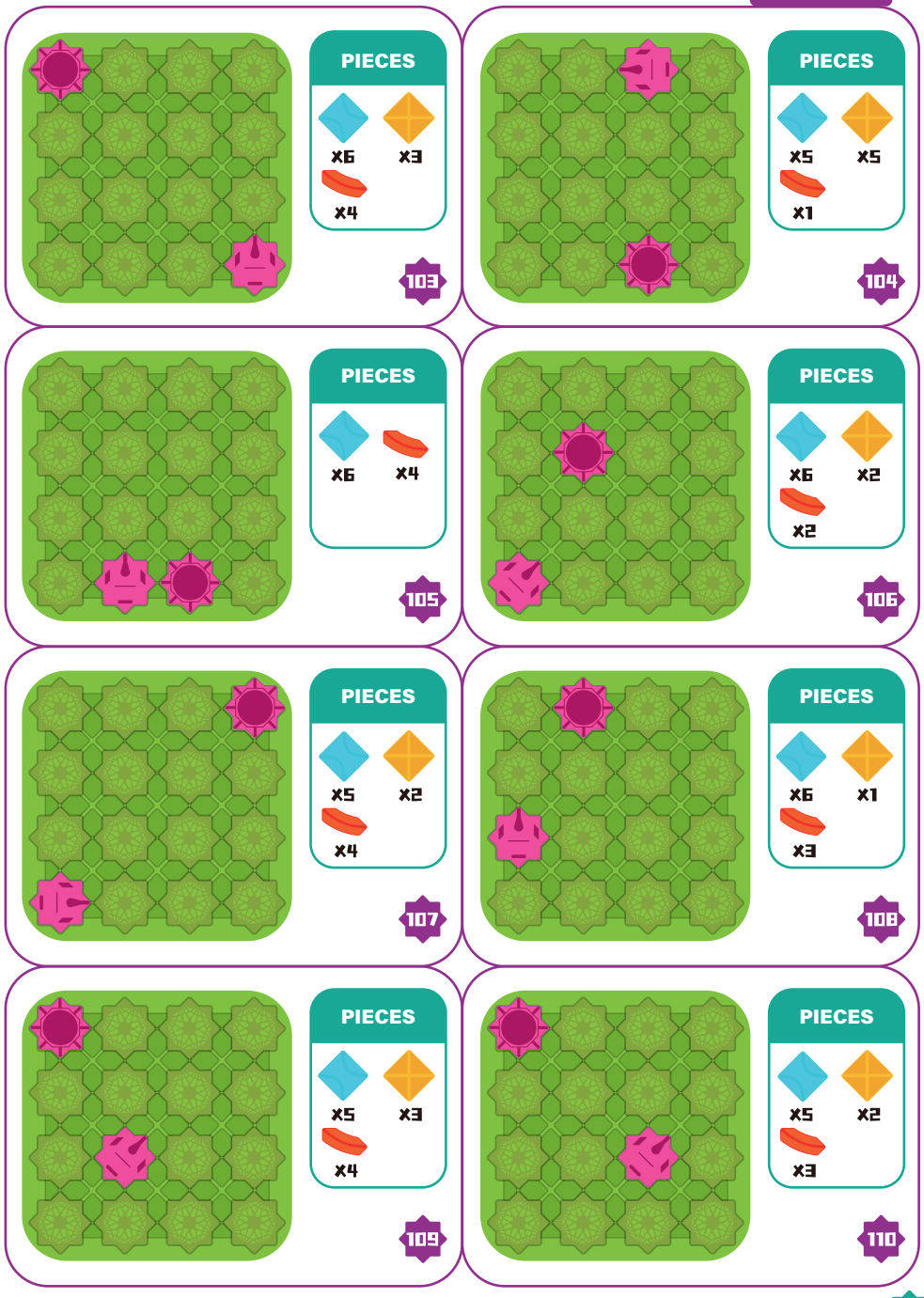
x2
102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x4
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PIECES
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x4
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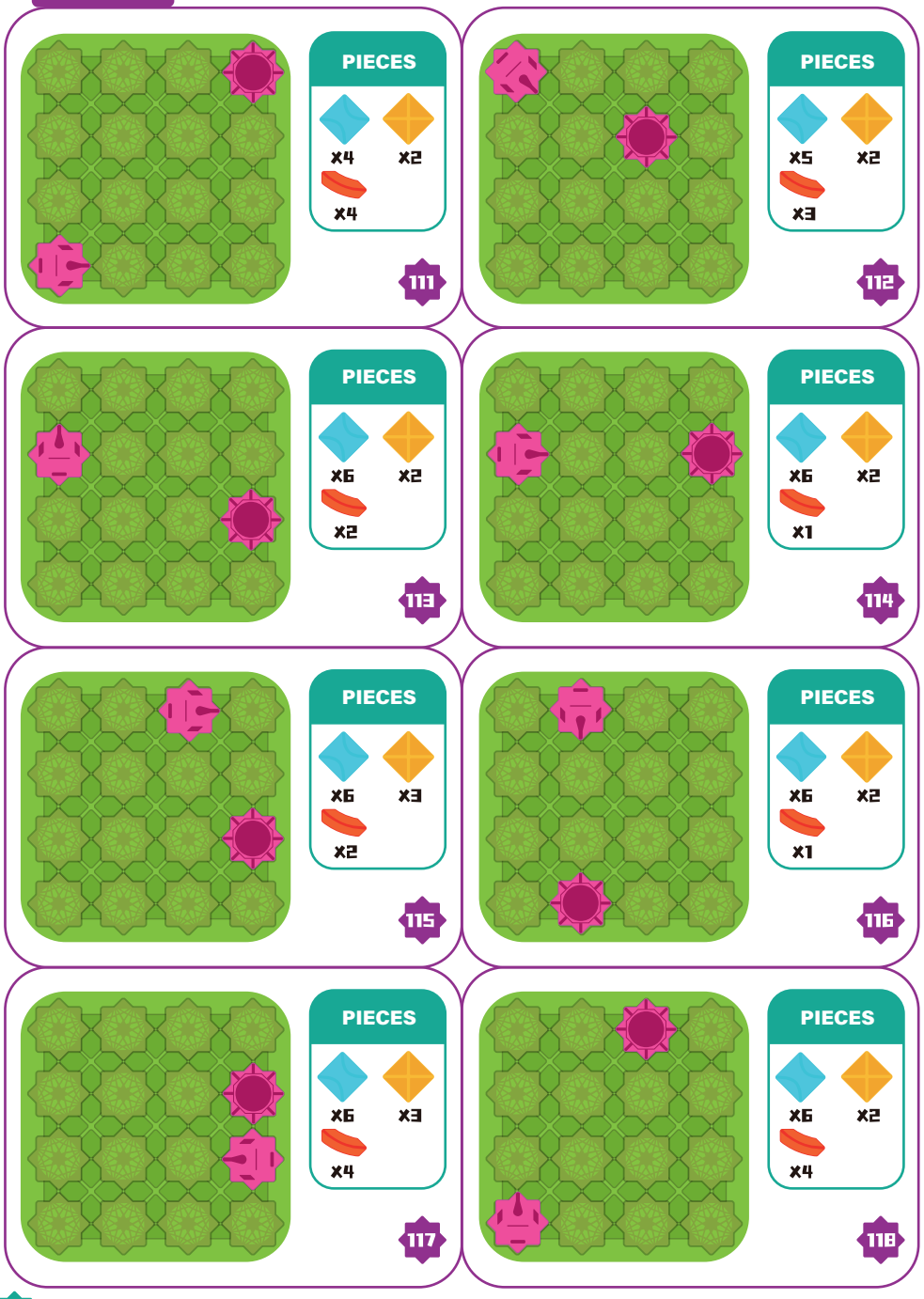
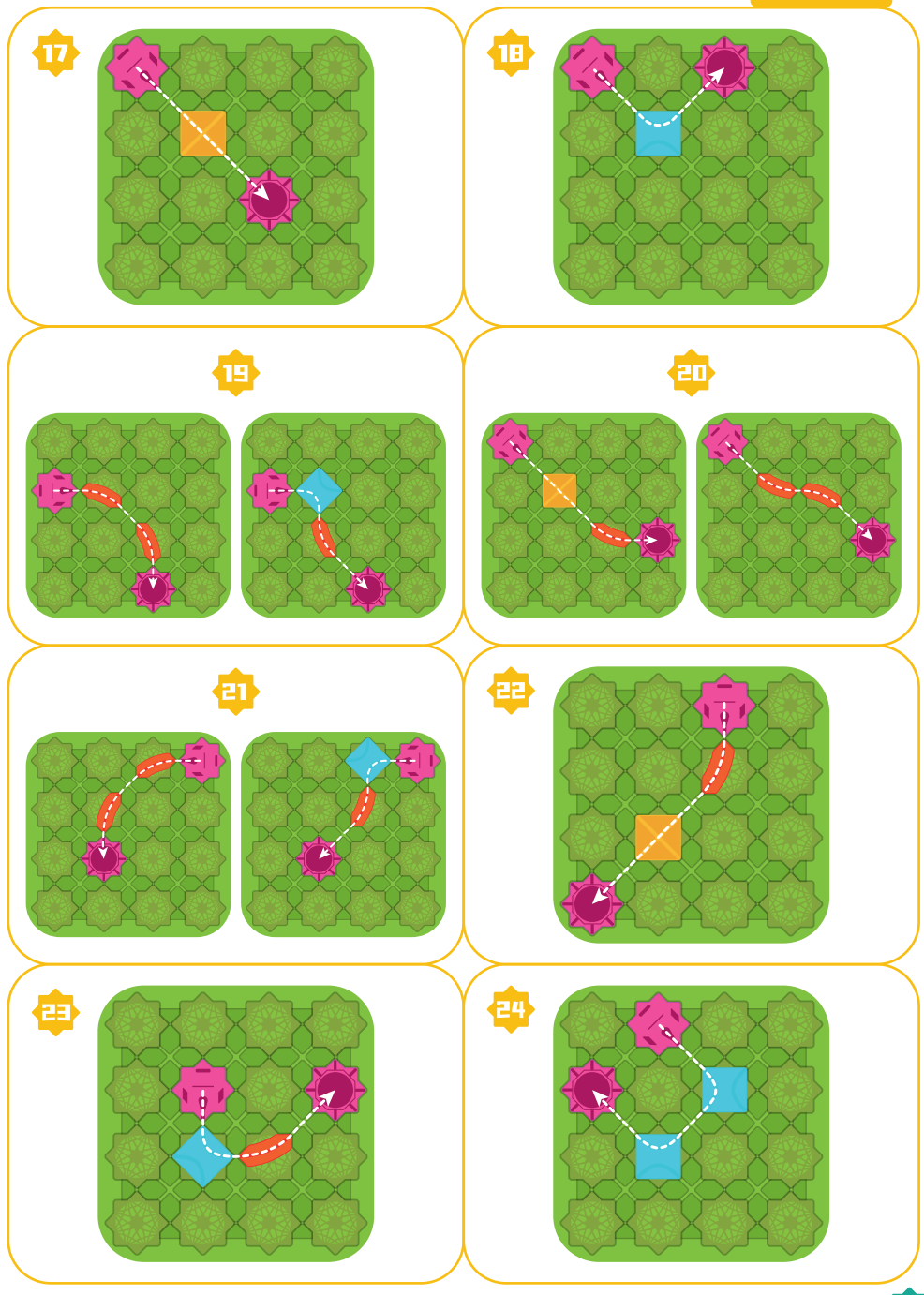
x5
x2
x3
110

MAZE CHALENGES



Here are the solutions to the challenges!

CHALLENGE SOLUTION



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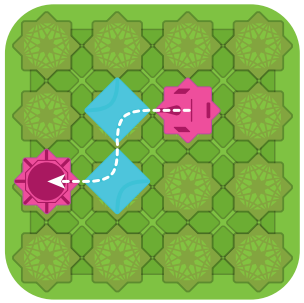

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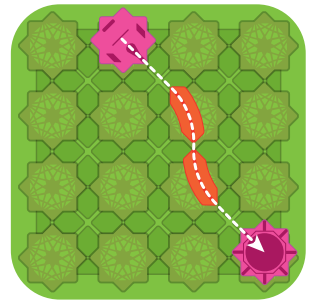

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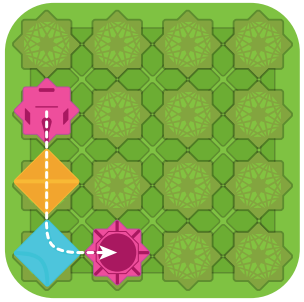

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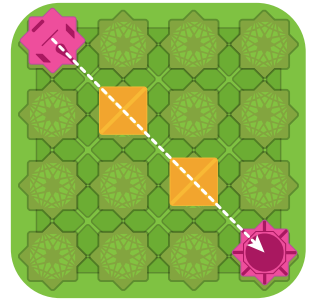

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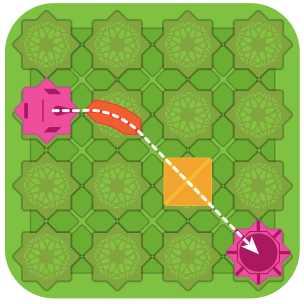

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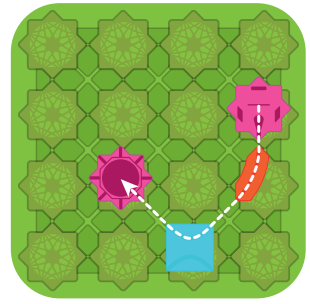

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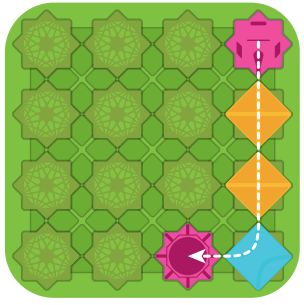

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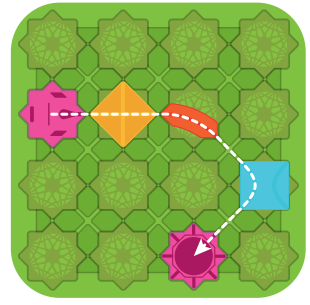

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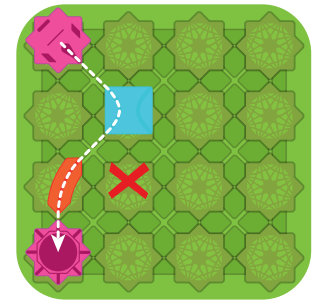

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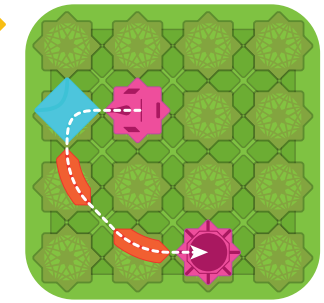

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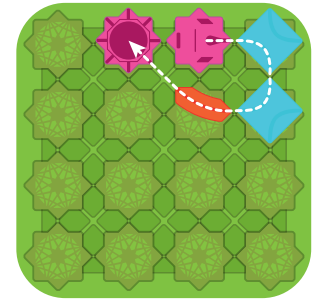

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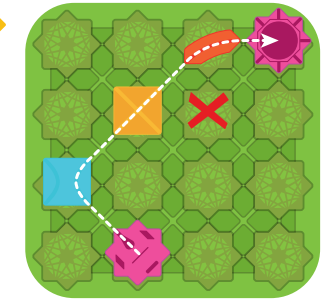

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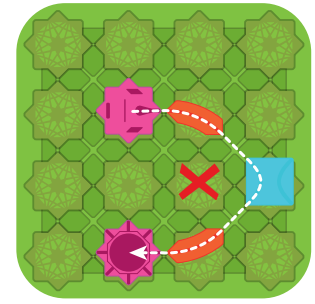

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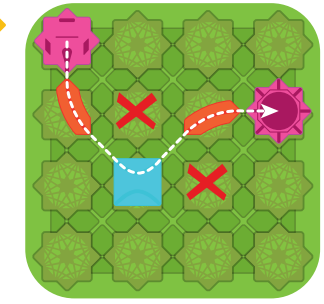

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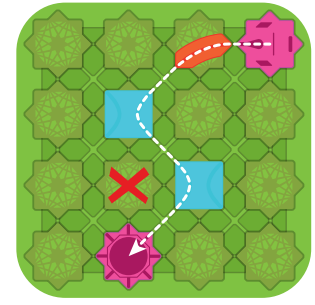

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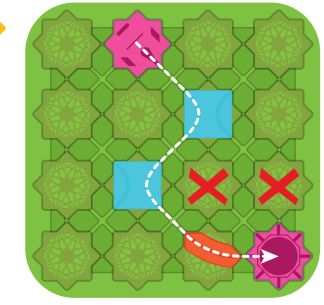

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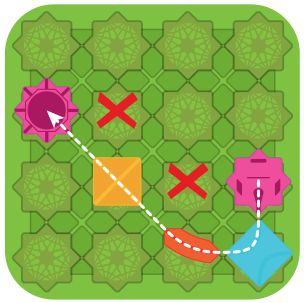

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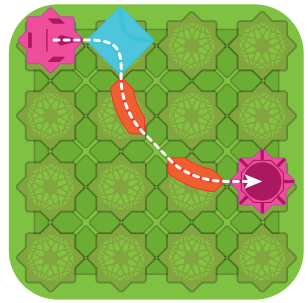

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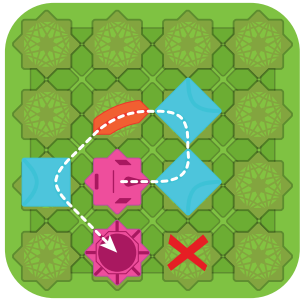

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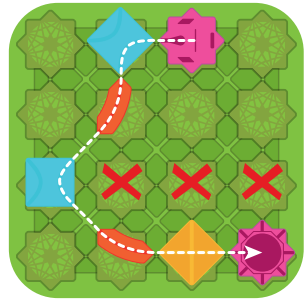

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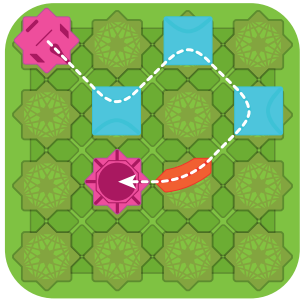

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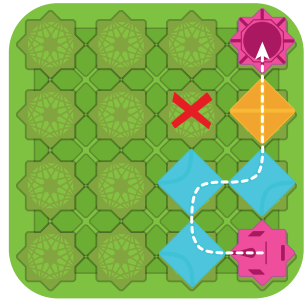

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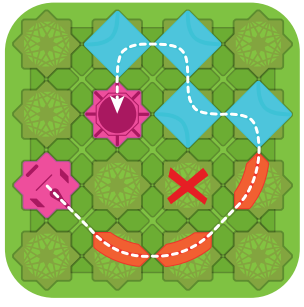

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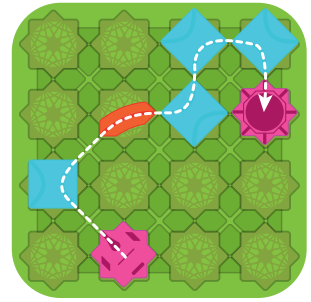

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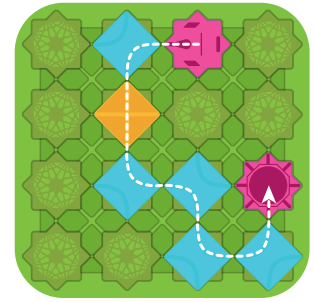

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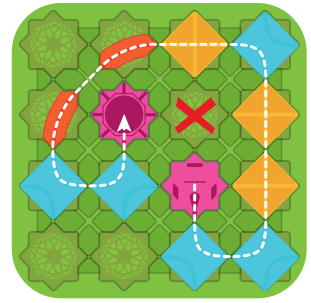

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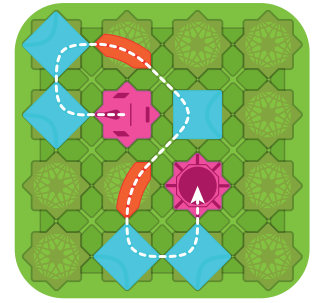

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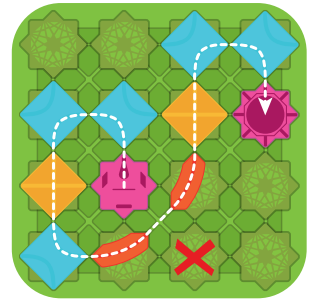

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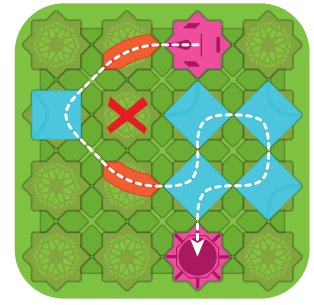

CHALLENGE SOLUTION

There is more than one answer to some questions! Only one solution example is shown here.

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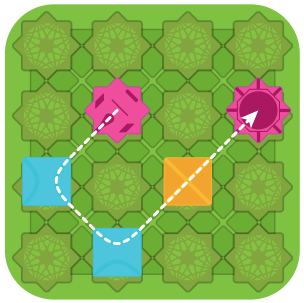

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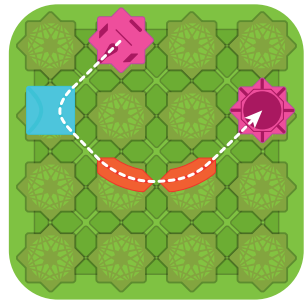

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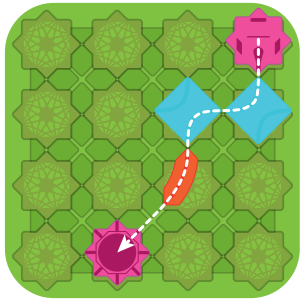

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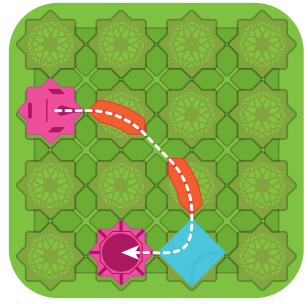

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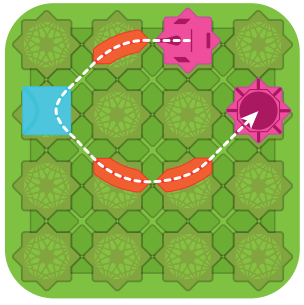

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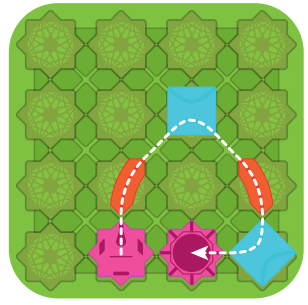

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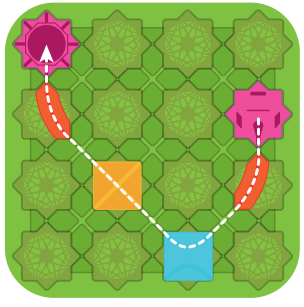

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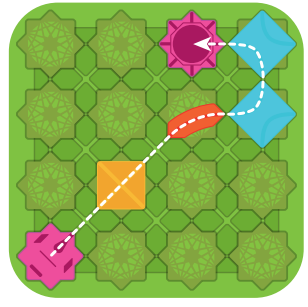

CHALLENGE SOLUTION

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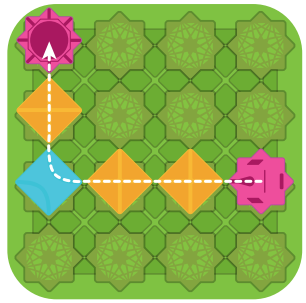

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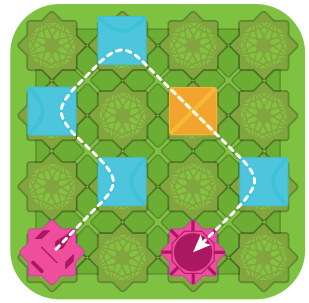

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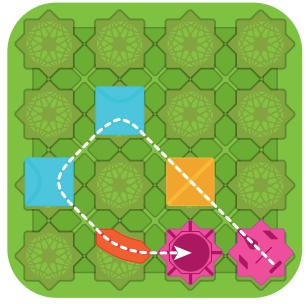

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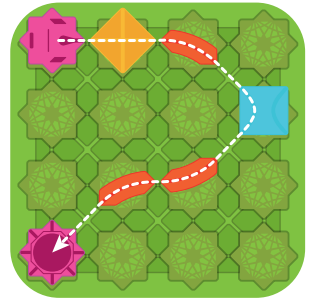

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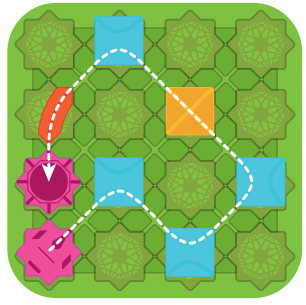

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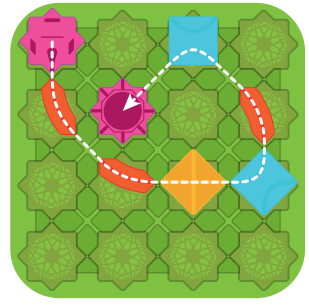

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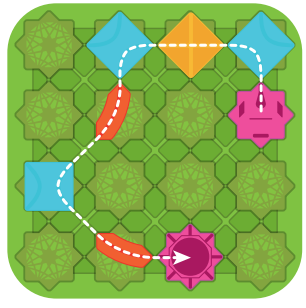

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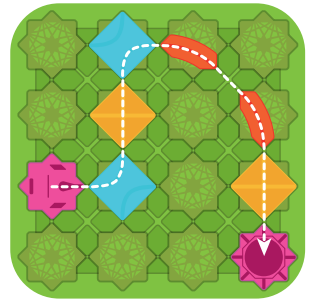

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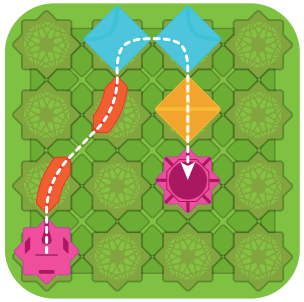

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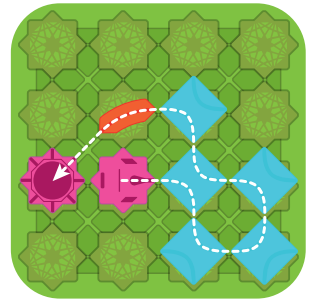

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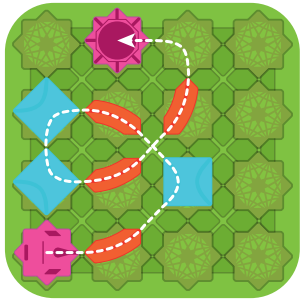

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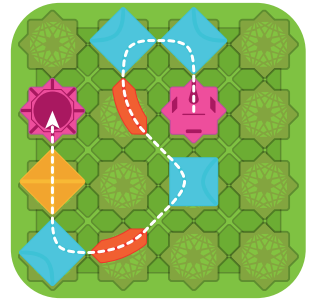

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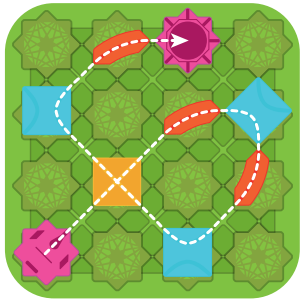

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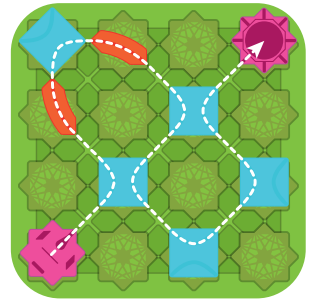

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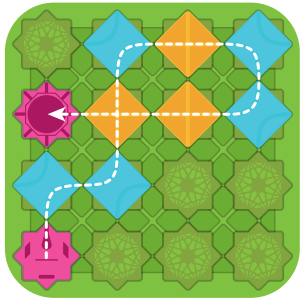

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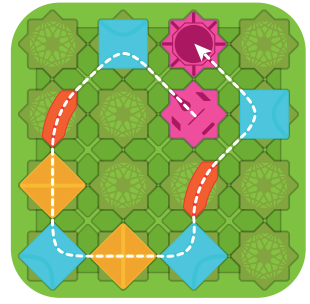

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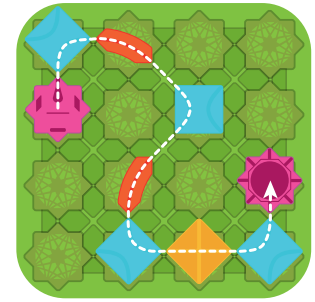

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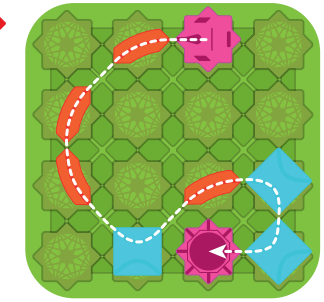

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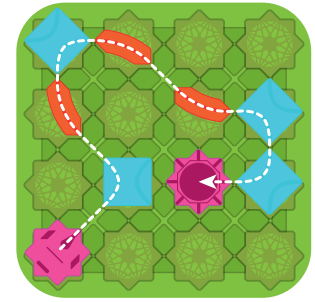

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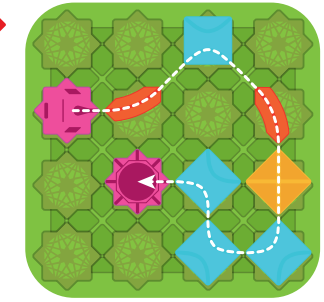

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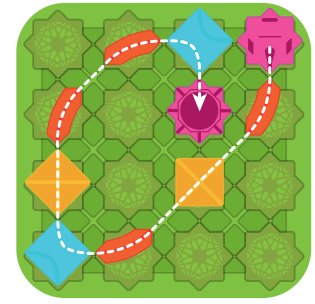

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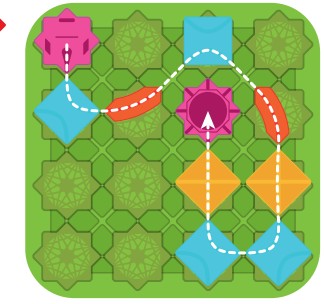

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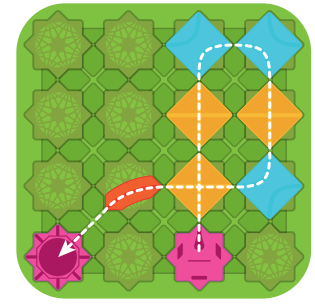

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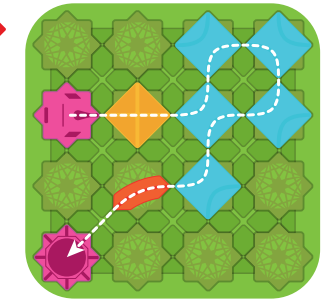

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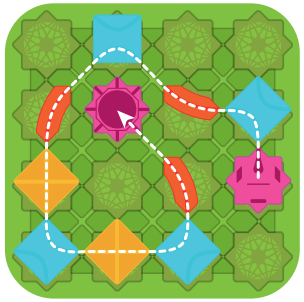

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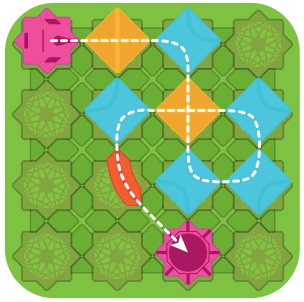

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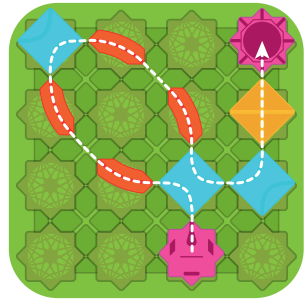

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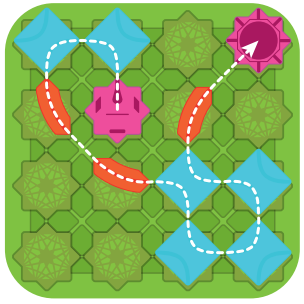

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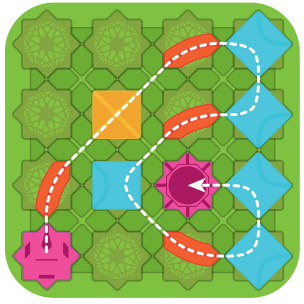

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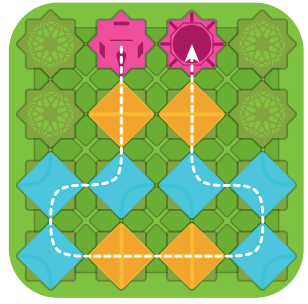

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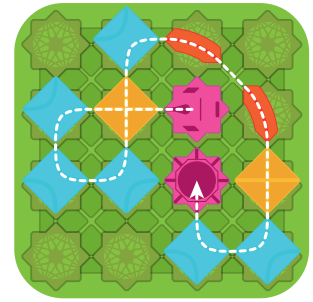

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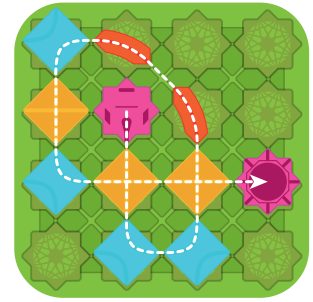

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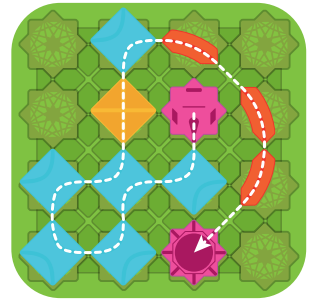

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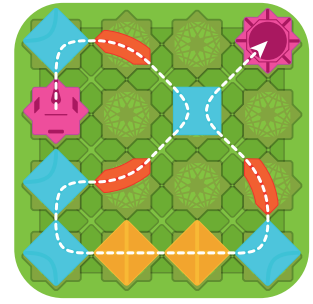

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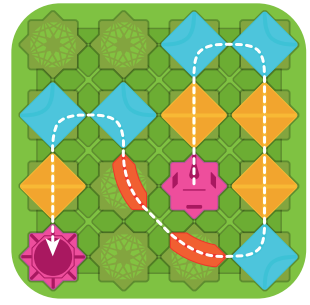

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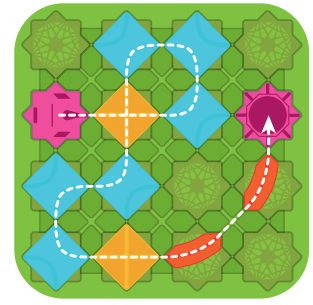

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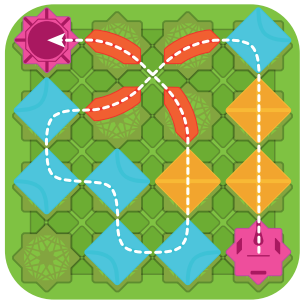

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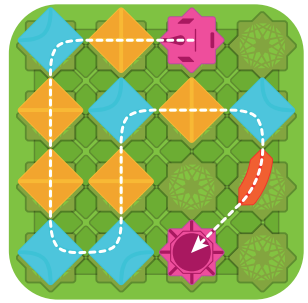

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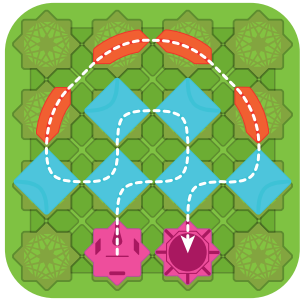

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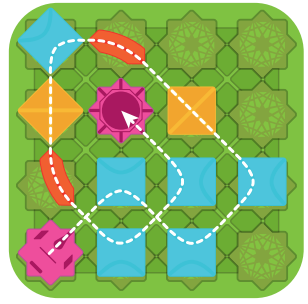

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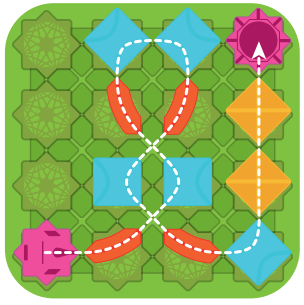

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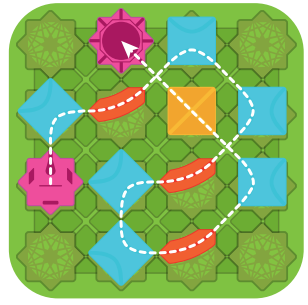

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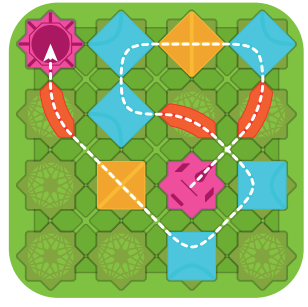

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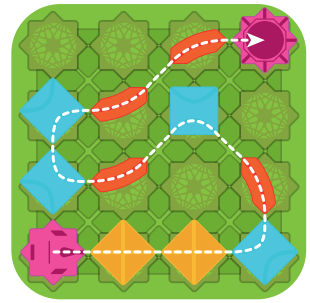

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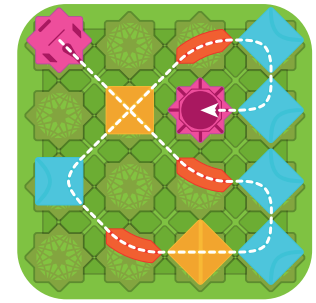

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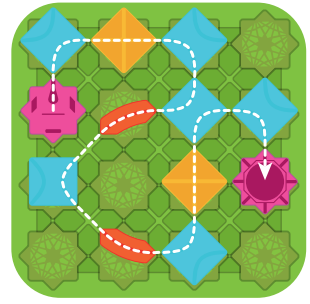

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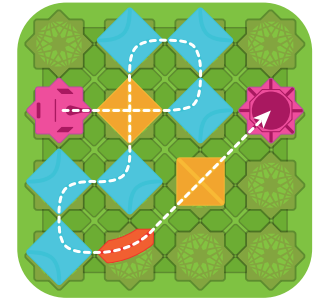

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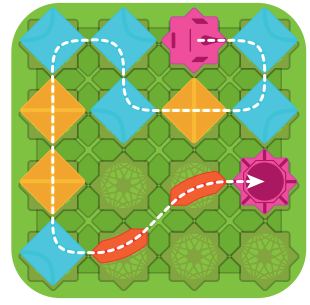

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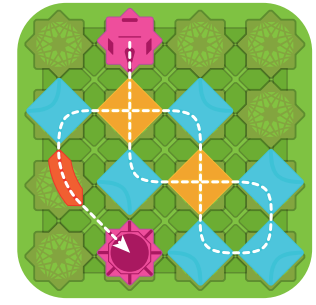

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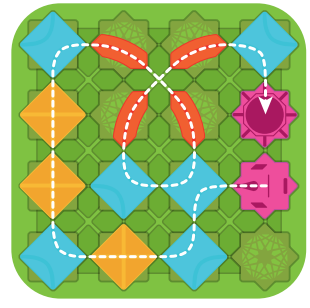

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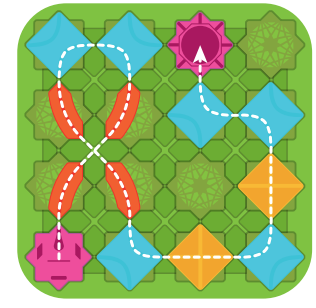
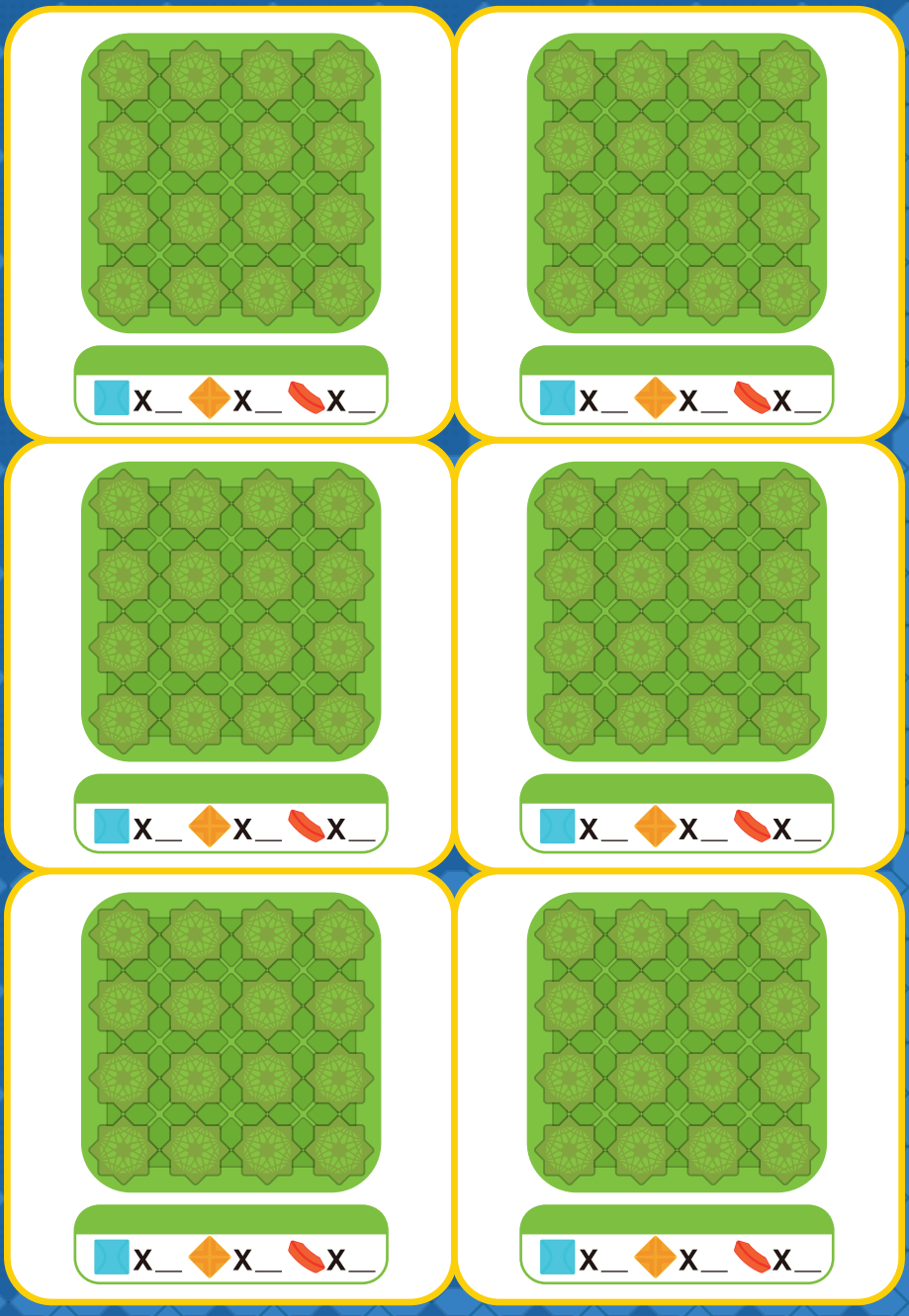


COLLECTION OF PRACTICES



For more creative gameplays, kids can use their imagination and record them.