

**POWER
YOUR FUN**

3+

MAZE BUILDERS TRACK SET



PROBLEM
SOLVING SKILLS



SPATIAL
INTELLIGENCE



CONCENTRATION



STEM

1 STARTER

2 JUNIOR

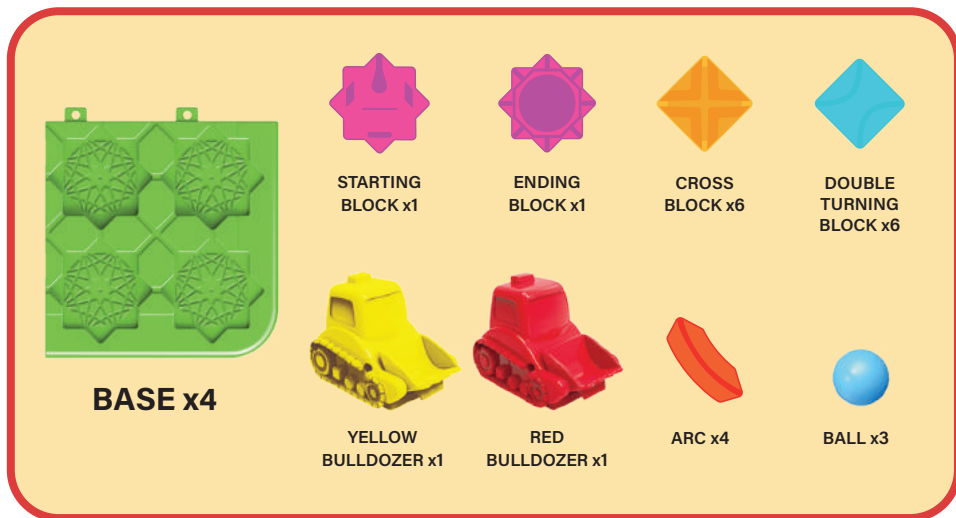
3 EXPERT

4 MASTER

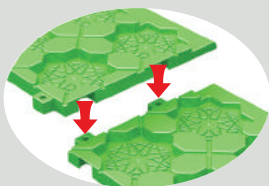
1180
CHALLENGE
STAGES

4
DIFFICULTY
LEVELS

ACCESSORIES LIST

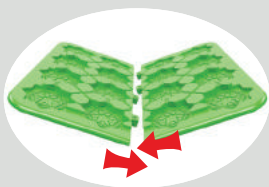


BUILDING THE BOARD:



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

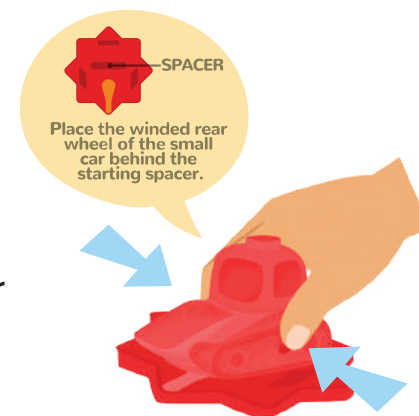
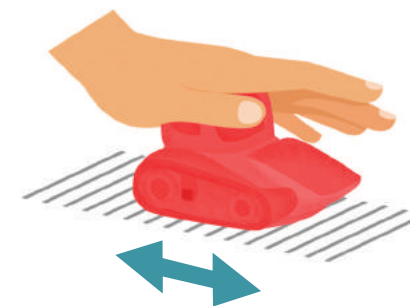
Kids can use their imagination to link the starting point and the ending point with the components to make different tracks and mazes, inspiring creativity while playing!



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?

<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 </p> <p>1</p>	<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 </p> <p>2</p>
<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 </p> <p>3</p>	<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 </p> <p>4</p>
<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 </p> <p>5</p>	<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 x1 </p> <p>6</p>
<p>ACCESSORIES</p> <p>x1 x2 </p> <p>x1 </p> <p>7</p>	<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 x1 </p> <p>8</p>

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!

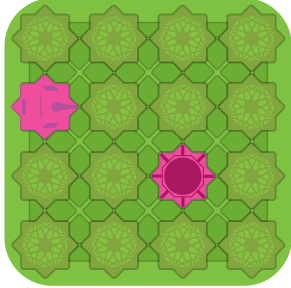
MAZE CHALLENGES

<p>ACCESSORIES</p> <p>x1 x2 </p> <p>x1 </p> <p>9</p>	<p>ACCESSORIES</p> <p>x1 x2 </p> <p>x1 </p> <p>10</p>
<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 x1 </p> <p>11</p>	<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 x1 </p> <p>x1 </p> <p>12</p>
<p>ACCESSORIES</p> <p>x1 x1 </p> <p>x1 x1 </p> <p>x1 </p> <p>13</p>	<p>ACCESSORIES</p> <p>x1 x2 </p> <p>x1 x2 </p> <p>14</p>
<p>ACCESSORIES</p> <p>x1 x2 </p> <p>x1 x2 </p> <p>15</p>	<p>ACCESSORIES</p> <p>x1 x2 </p> <p>x1 x1 </p> <p>x2 </p> <p>16</p>

MAZE CHALLENGES

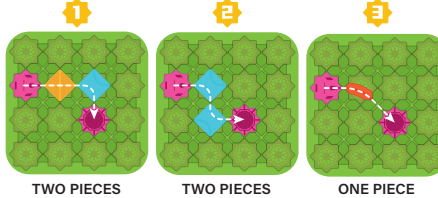
Place the starting and ending blocks on your board as shown in each picture. Use pieces to fill in the board and get your bulldozer from start to end!

MAZE CHALLENGES

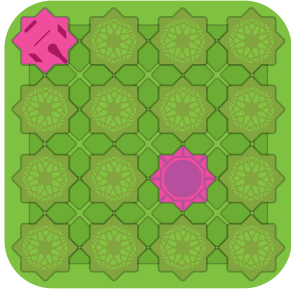


SOLVE PROBLEMS
Link with the least number of pieces.
(Tips: One piece is needed for linking.)

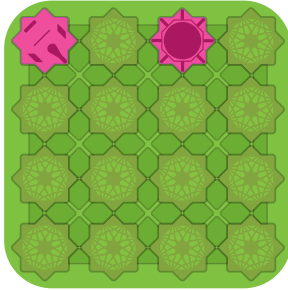
If simply linked, you can consider the following 3 example pictures.



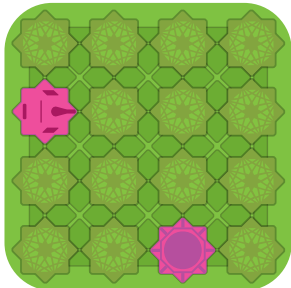
The least used number of pieces is solution 3. The correct answer is solution 3.



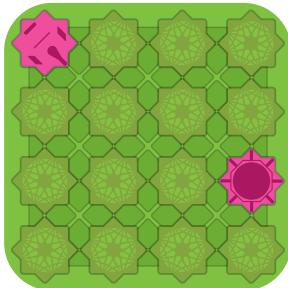
SOLVE PROBLEMS
Link with the least number of pieces.
(Tips: One piece is needed for linking.)



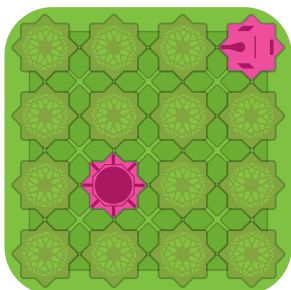
SOLVE PROBLEMS
Link with the least number of pieces.
(Tips: One piece is needed for linking.)



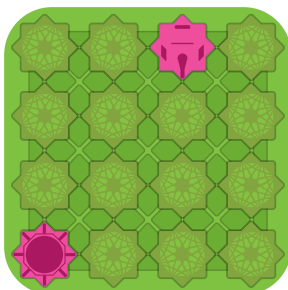
SOLVE PROBLEMS
Link with the least number of pieces.
This question has two answers.
(Tips: One piece is needed for linking.)



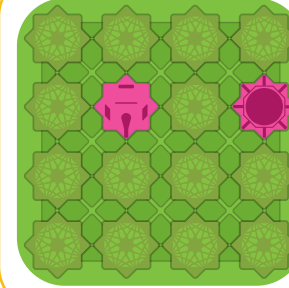
SOLVE PROBLEMS
Link with the least number of pieces.
This question has two answers.



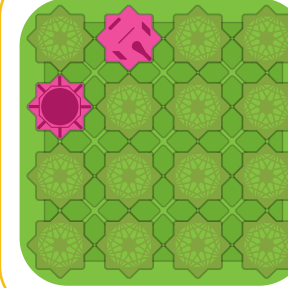
SOLVE PROBLEMS
Link with the least number of pieces.
This question has two answers.



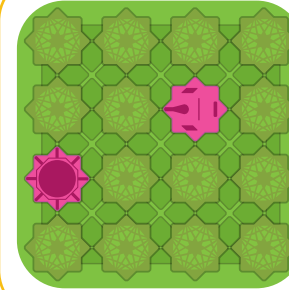
SOLVE PROBLEMS
Link with the least number of pieces.



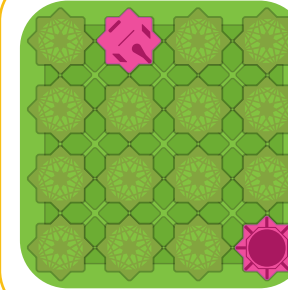
SOLVE PROBLEMS
Link with the least number of pieces.



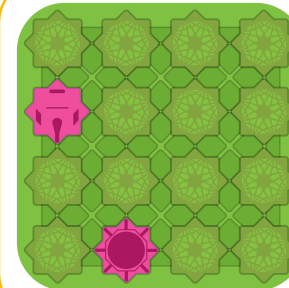
SOLVE PROBLEMS
Link with the least number of pieces.



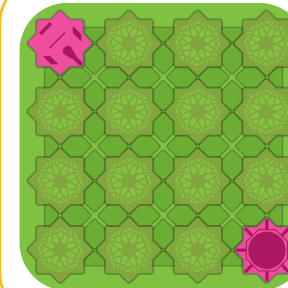
SOLVE PROBLEMS
Link with the least number of pieces.



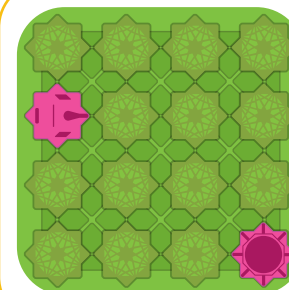
SOLVE PROBLEMS
Link with the least number of pieces.



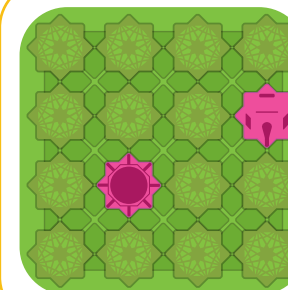
SOLVE PROBLEMS
Link with the least number of pieces.



SOLVE PROBLEMS
Link with the least number of pieces.



SOLVE PROBLEMS
Link with the least number of pieces.



SOLVE PROBLEMS
Link with the least number of pieces.

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"!

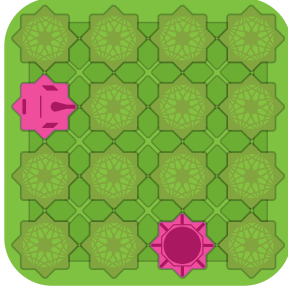
MAZE CHALLENGES



SOLVE PROBLEMS

Link with the least number of pieces.

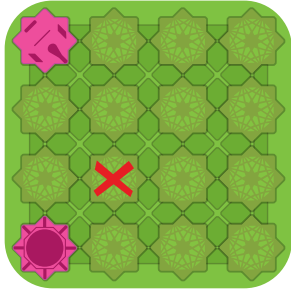
31



SOLVE PROBLEMS

Link with the least number of pieces.

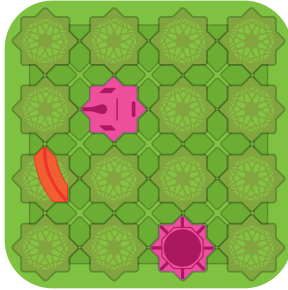
32



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

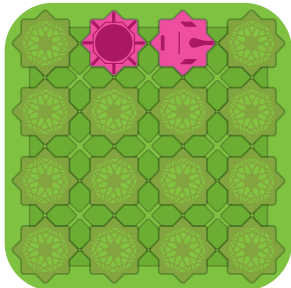
33



SOLVE PROBLEMS

Link with the least number of pieces.
Connect the placed pieces.

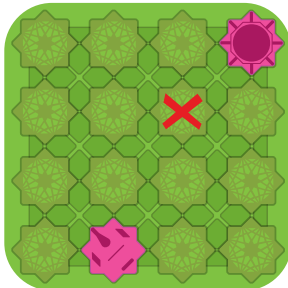
34



SOLVE PROBLEMS

Link with the least number of pieces.

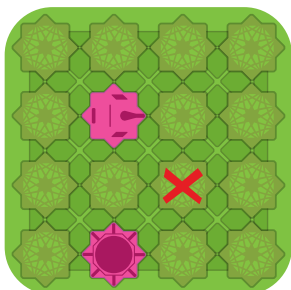
35



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

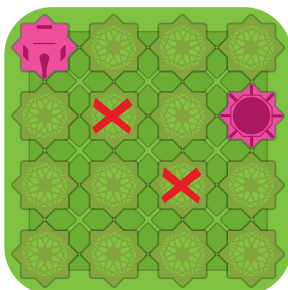
36



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

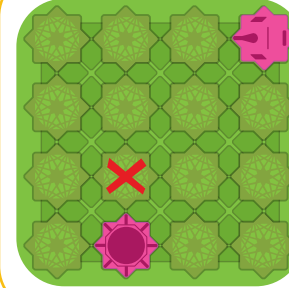
37



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

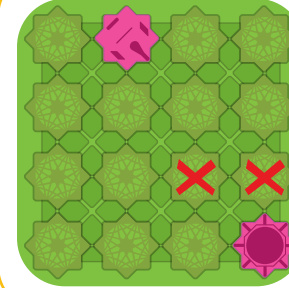
38



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

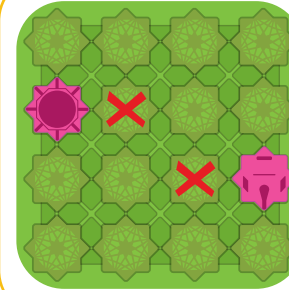
39



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

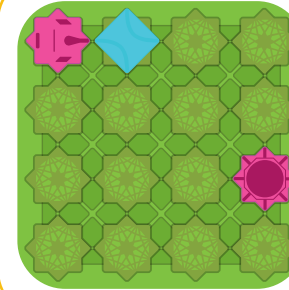
40



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

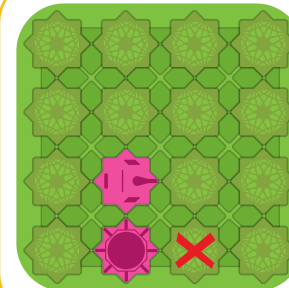
41



SOLVE PROBLEMS

Link with the least number of pieces.
Connect the placed pieces.

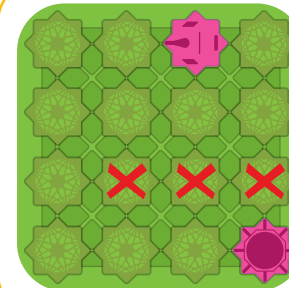
42



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

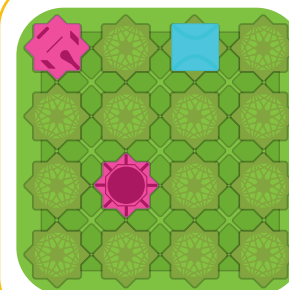
43



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position.

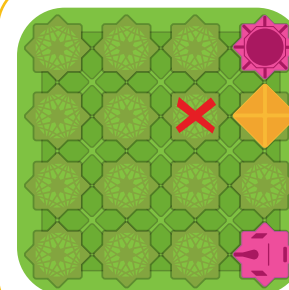
44



SOLVE PROBLEMS

Link with the least number of pieces.
Connect the placed pieces.

45

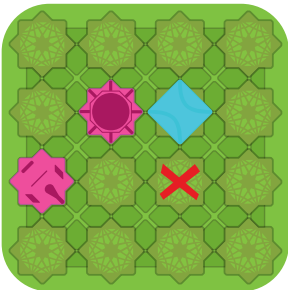


SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position and connect the placed pieces.

46

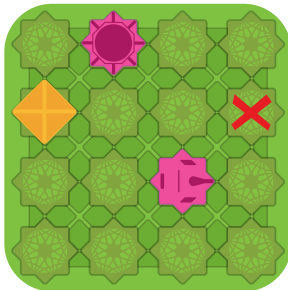
MAZE CHALLENGES



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position and connect the placed pieces.

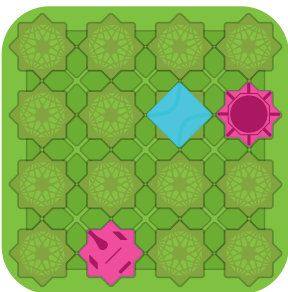
47



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position and connect the placed pieces.

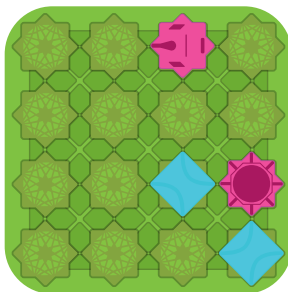
48



SOLVE PROBLEMS

Link with the least number of pieces.
Connect the placed pieces.

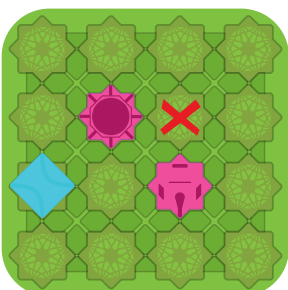
49



SOLVE PROBLEMS

Link with the least number of pieces.
Connect the placed pieces.

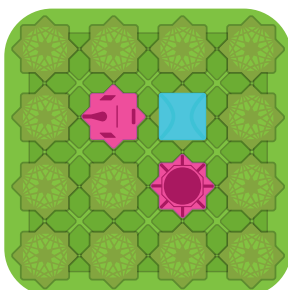
50



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position and connect the placed pieces.

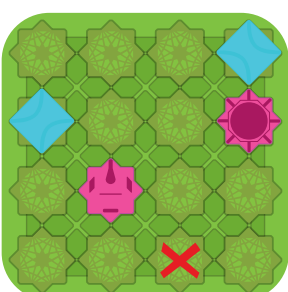
51



SOLVE PROBLEMS

Link with the least number of pieces.
Connect the placed pieces.

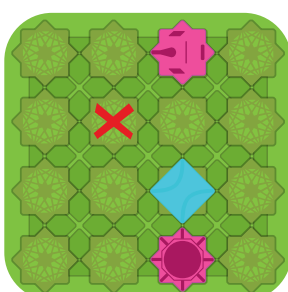
52



SOLVE PROBLEMS

Link with the least number of pieces.
Avoid hitting the X position and connect the placed pieces.

53



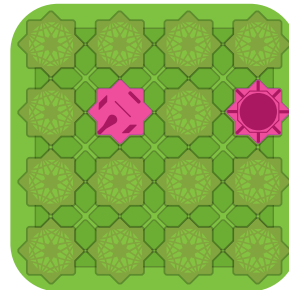
SOLVE PROBLEMS

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!

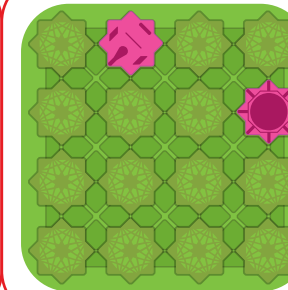
MAZE CHALLENGES



PIECES

Blue diamond x2, Orange diamond x1

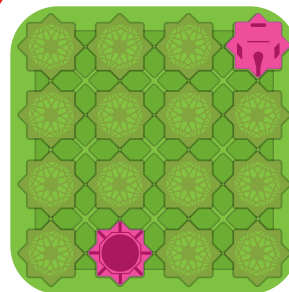
55



PIECES

Blue diamond x1, Orange diamond x2

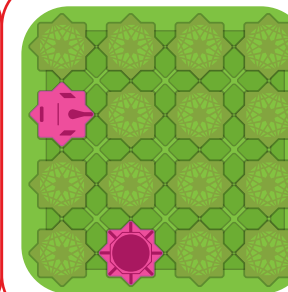
56



PIECES

Blue diamond x2, Orange diamond x1

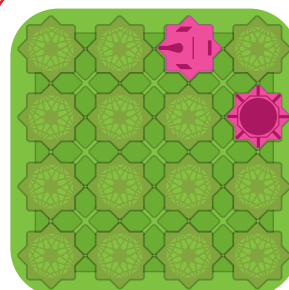
57



PIECES

Blue diamond x1, Orange diamond x2

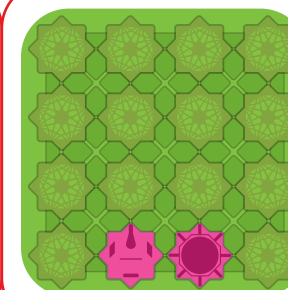
58



PIECES

Blue diamond x1, Orange diamond x3

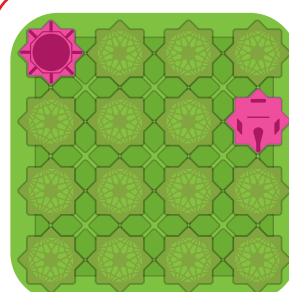
59



PIECES

Blue diamond x2, Orange diamond x2

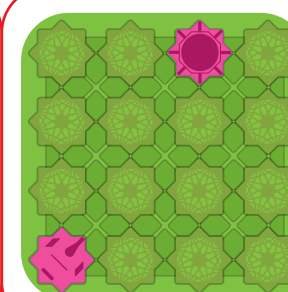
60



PIECES

Blue diamond x1, Orange diamond x1, Orange diamond x2

61

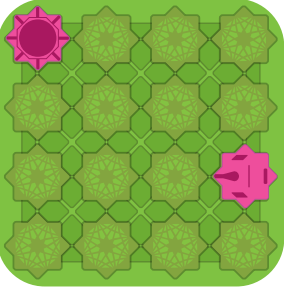


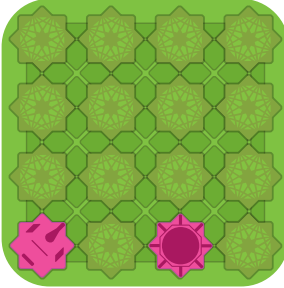






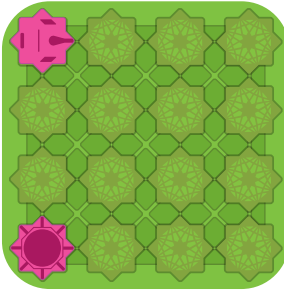



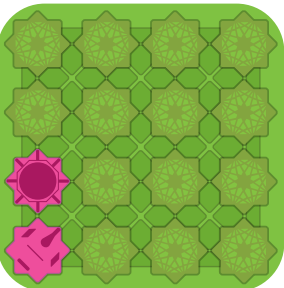



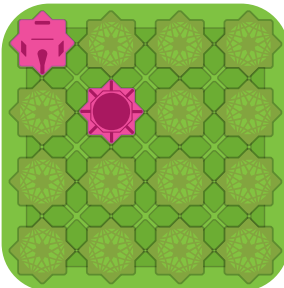



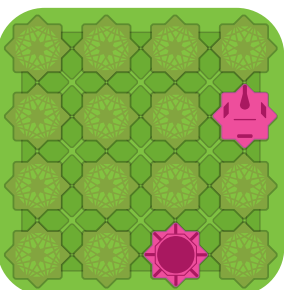



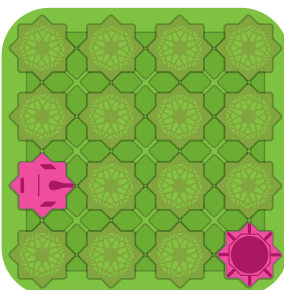





PIECES

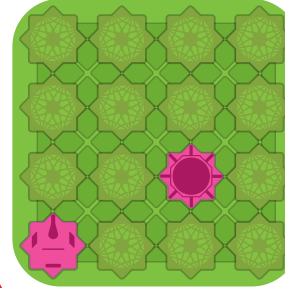



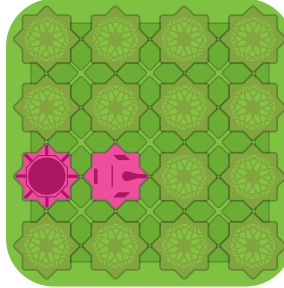



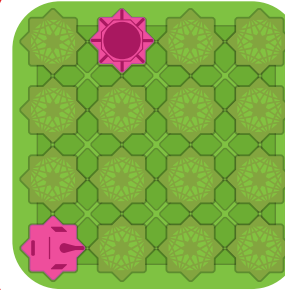



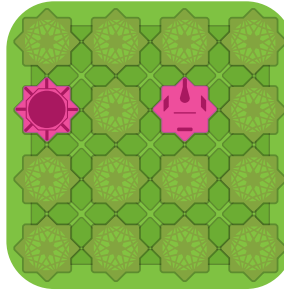



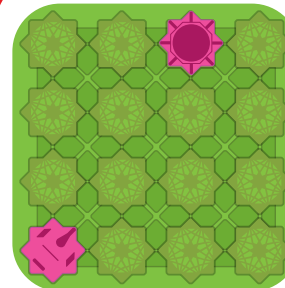



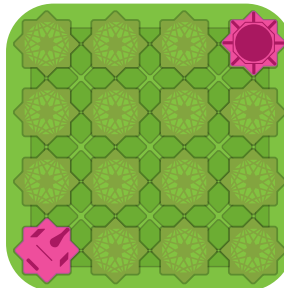



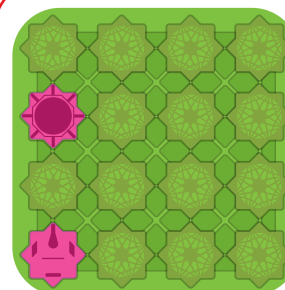


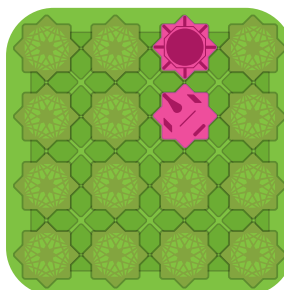



Blue diamond x2, Orange diamond x1, Orange diamond x1

62

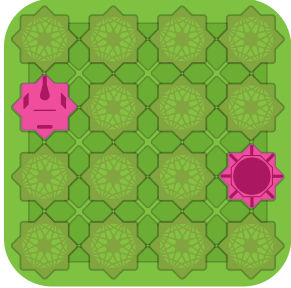
MAZE CHALLENGES

	<p>PIECES</p> <p> </p> <p>x1 x3</p>		<p>PIECES</p> <p> </p> <p>x4 x1</p>
	<p>PIECES</p> <p> </p> <p> x1</p> <p>x2 x1</p>		<p>PIECES</p> <p> </p> <p> x3</p> <p>x1 x1</p>
	<p>PIECES</p> <p> </p> <p> x1</p> <p>x4 x1</p>		<p>PIECES</p> <p> </p> <p> x3</p> <p>x2 x1</p>
	<p>PIECES</p> <p> </p> <p> x2</p> <p>x3 x1</p>		<p>PIECES</p> <p> </p> <p> x2</p> <p>x2 x2</p>

MAZE CHALLENGES

	<p>PIECES</p> <p> </p> <p> x2</p> <p>x2 x1</p>		<p>PIECES</p> <p> </p> <p> x1</p> <p>x5 x1</p>
	<p>PIECES</p> <p> </p> <p> x4</p> <p>x4 x4</p>		<p>PIECES</p> <p> </p> <p> x2</p> <p>x4 x1</p>
	<p>PIECES</p> <p> </p> <p> x3</p> <p>x3 x1</p>		<p>PIECES</p> <p> </p> <p> x2</p> <p>x5 x2</p>
	<p>PIECES</p> <p> </p> <p>x5 x3</p>		<p>PIECES</p> <p> </p> <p> x2</p> <p>x4 x2</p>

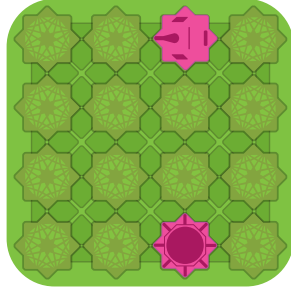
MAZE CHALLENGES



PIECES

x4	x1
x2	

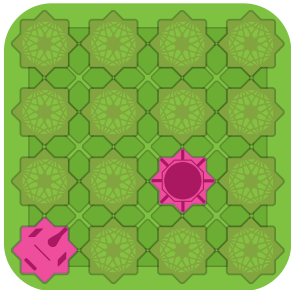
79



PIECES

x3	x4

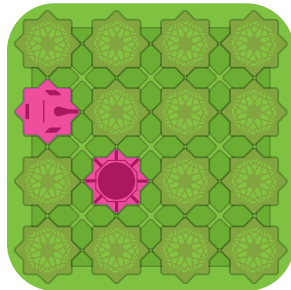
80



PIECES

x4	x3

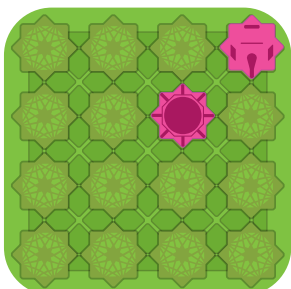
81



PIECES

x4	x1
x2	

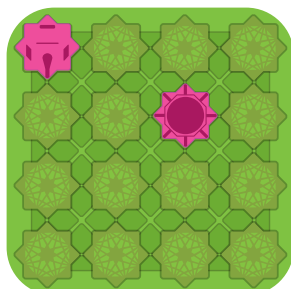
82



PIECES

x2	x2
x4	

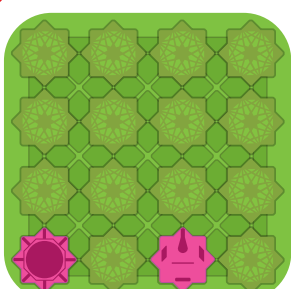
83



PIECES

x4	x2
x2	

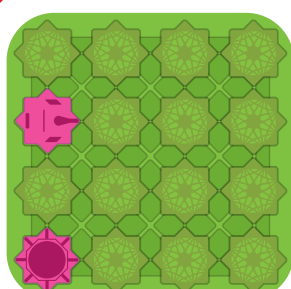
84



PIECES

x3	x3
x1	

85

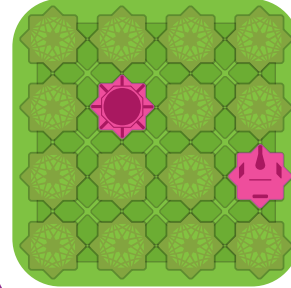


PIECES

x5	x1
x1	

86

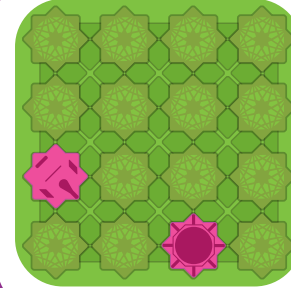
MAZE CHALLENGES



PIECES

x4	x2
x3	

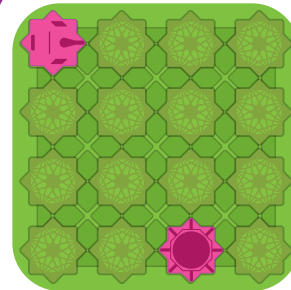
87



PIECES

x6	x1
x2	

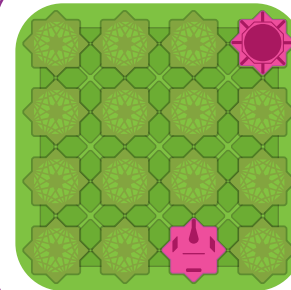
88



PIECES

x5	x2
x1	

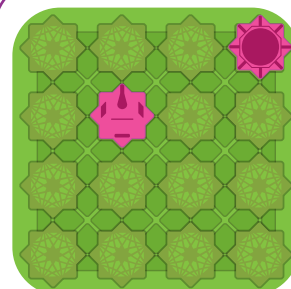
89



PIECES

x3	x1
x4	

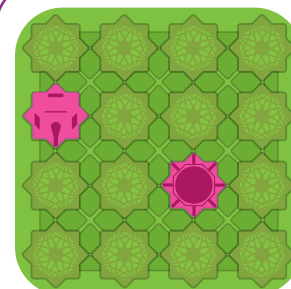
90



PIECES

x6	x3

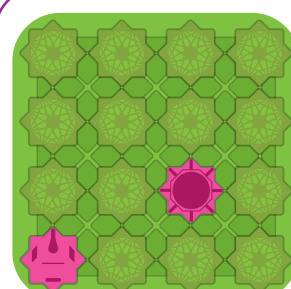
91



PIECES

x5	x2
x3	

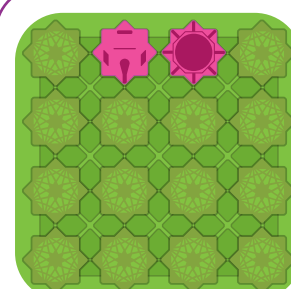
92



PIECES

x5	x1
x4	

93

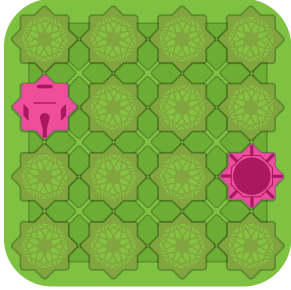


PIECES

x6	x4

94

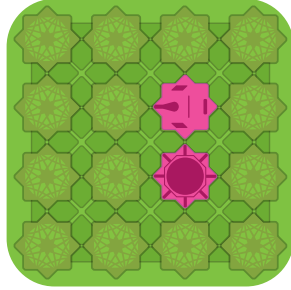
MAZE CHALLENGES



PIECES

x4	x3
	x3

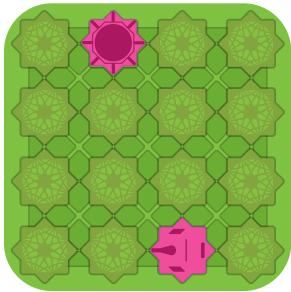
95



PIECES

x6	x2
	x2

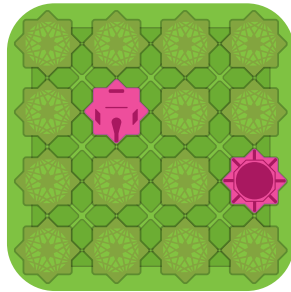
96



PIECES

x4	x2
	x4

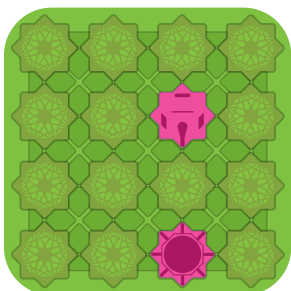
97



PIECES

x4	x3
	x2

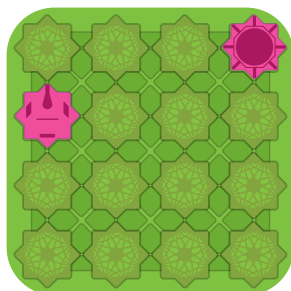
98



PIECES

x6	x1
	x3

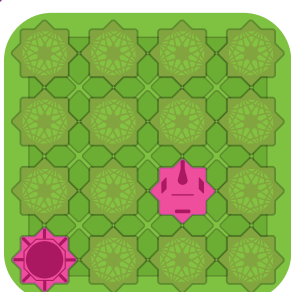
99



PIECES

x5	x2
	x3

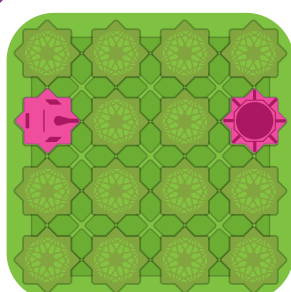
100



PIECES

x5	x4
	x2

101

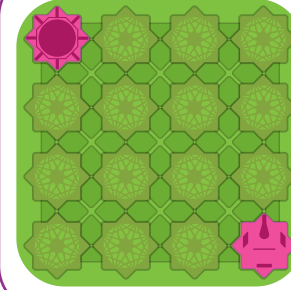


PIECES

x6	x2
	x2

102

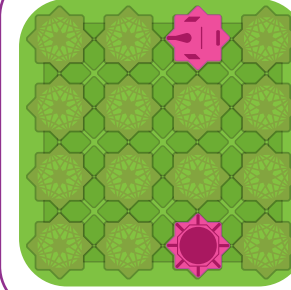
MAZE CHALLENGES



PIECES

x6	x3
	x4

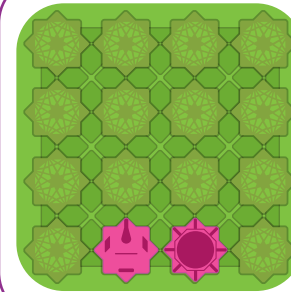
103



PIECES

x5	x5
	x1

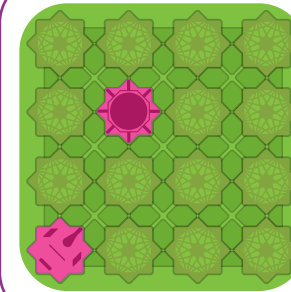
104



PIECES

x6	x4

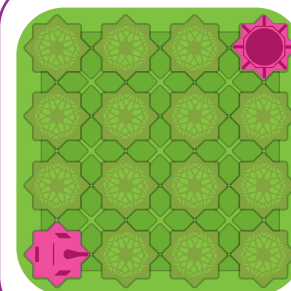
105



PIECES

x6	x2
	x2

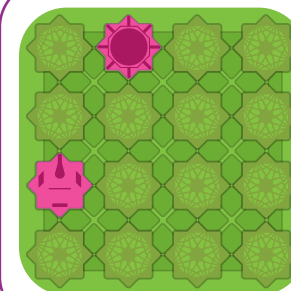
106



PIECES

x5	x2
	x4

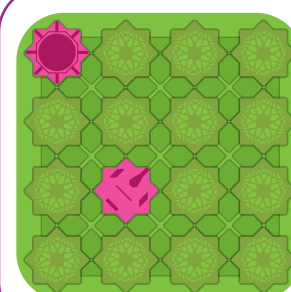
107



PIECES

x6	x1
	x3

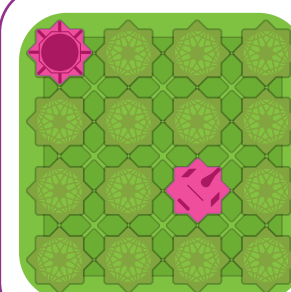
108



PIECES

x5	x3
	x4

109

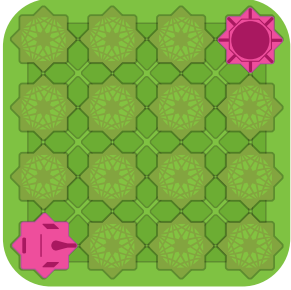


PIECES

x5	x2
	x3

110

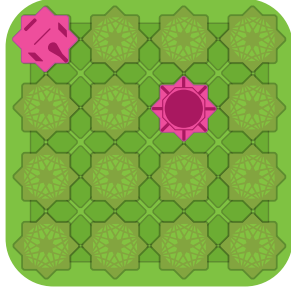
MAZE CHALLENGES



PIECES

x4	x2
x4	

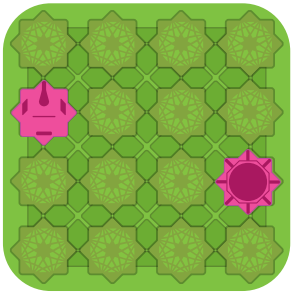
111



PIECES

x5	x2
x3	

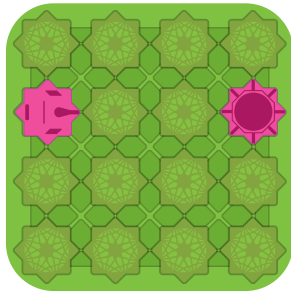
112



PIECES

x6	x2
x2	

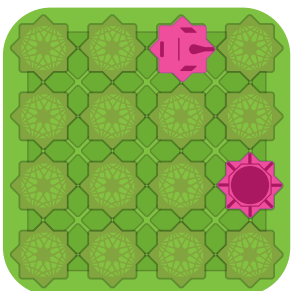
113



PIECES

x6	x2
x1	

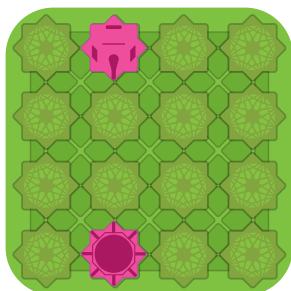
114



PIECES

x6	x3
x2	

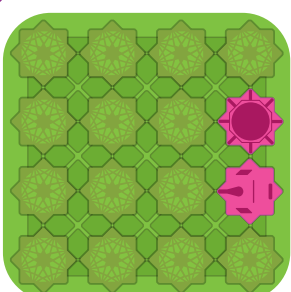
115



PIECES

x6	x2
x1	

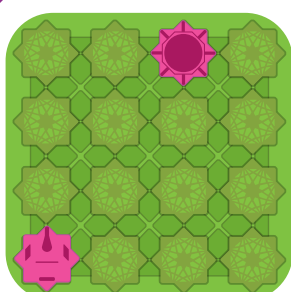
116



PIECES

x6	x3
x4	

117



PIECES

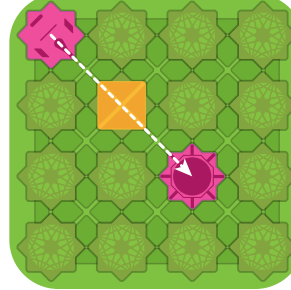
x6	x2
x4	

118

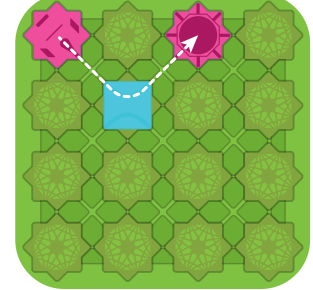
Here are the solutions to the challenges!

CHALLENGE SOLUTION

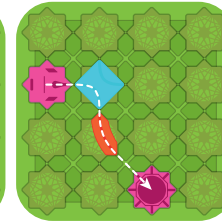
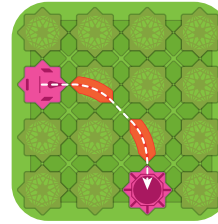
17



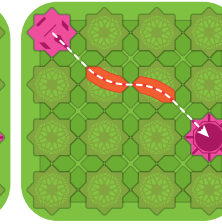
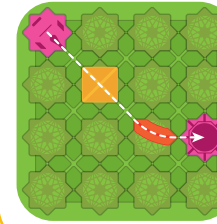
18



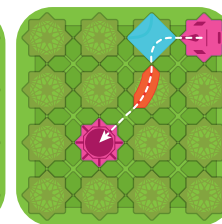
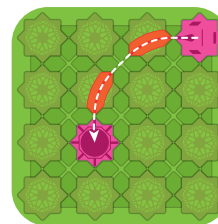
19



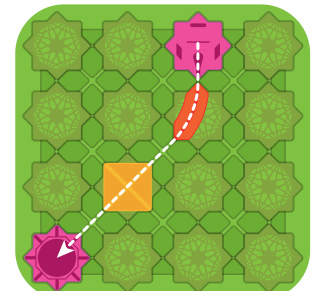
20



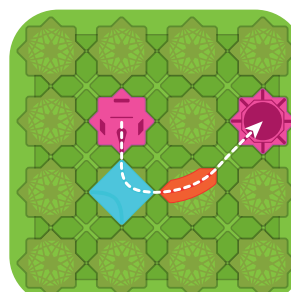
21



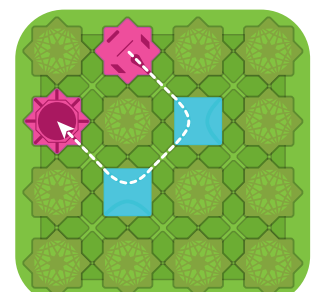
22



23

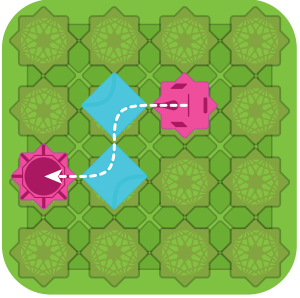


24

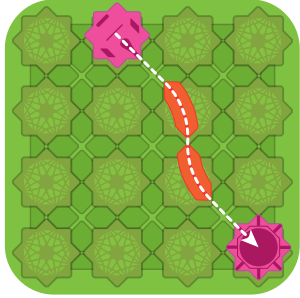


CHALLENGE SOLUTION

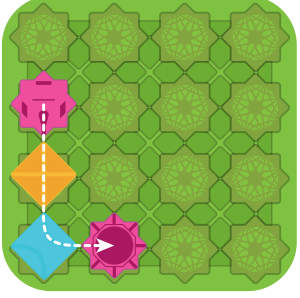
25



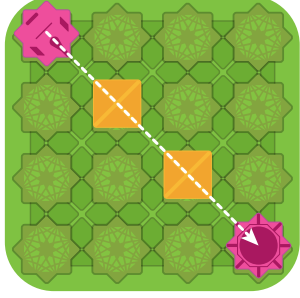
26



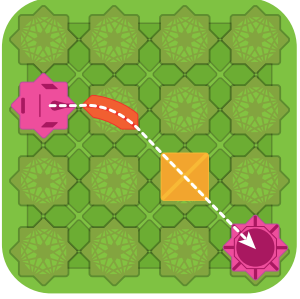
27



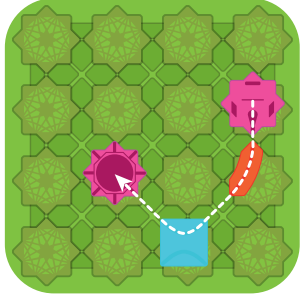
28



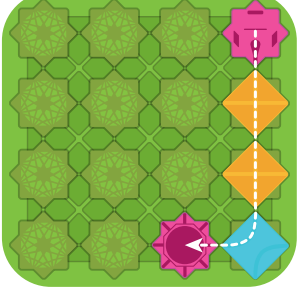
29



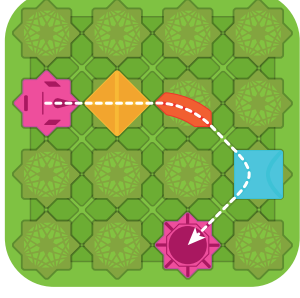
30



31

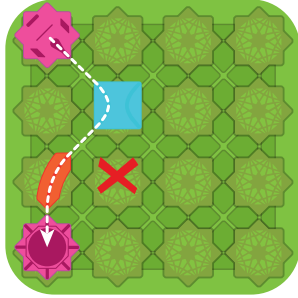


32

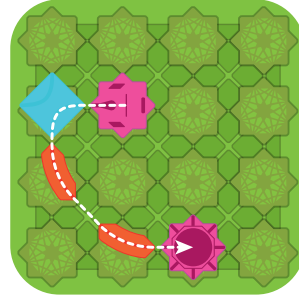


CHALLENGE SOLUTION

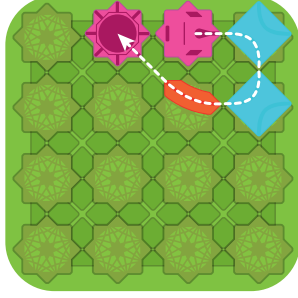
33



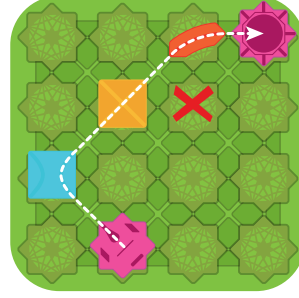
34



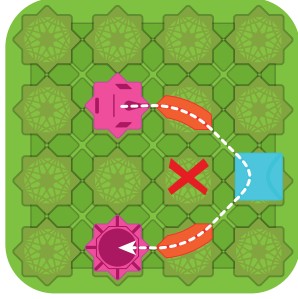
35



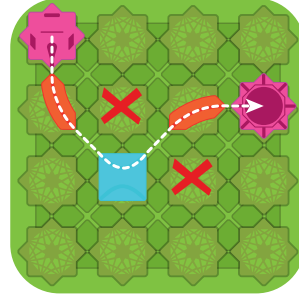
36



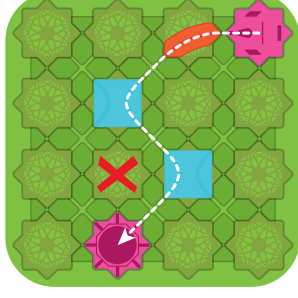
37



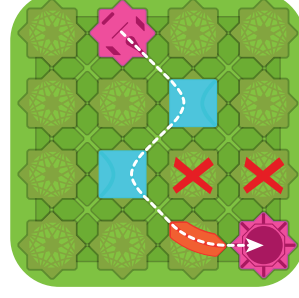
38



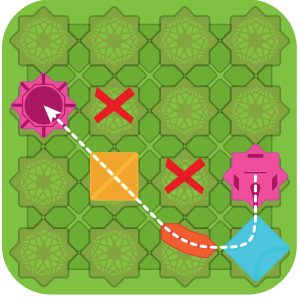
39



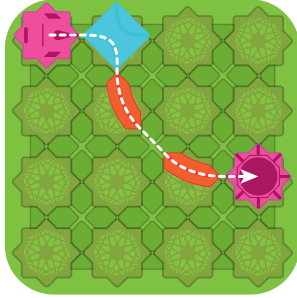
40



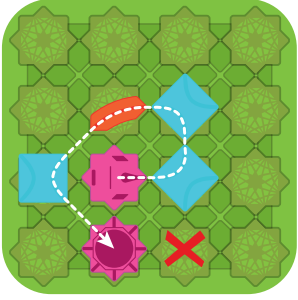
41



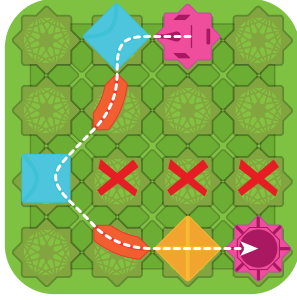
42



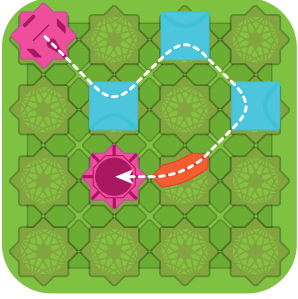
43



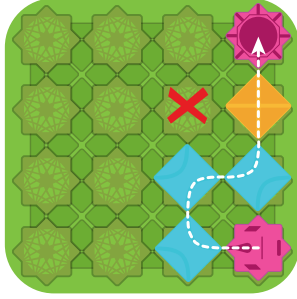
44



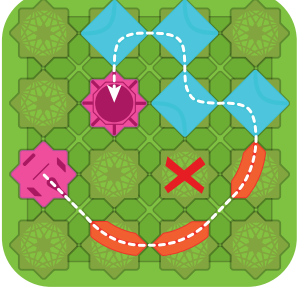
45



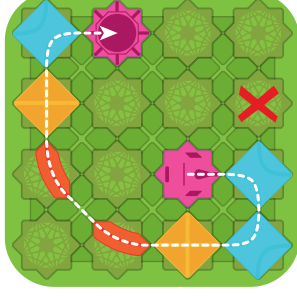
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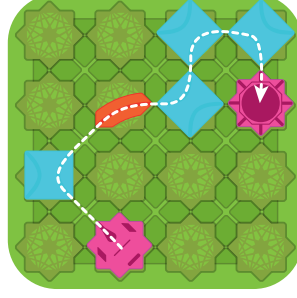
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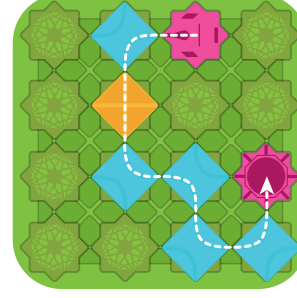
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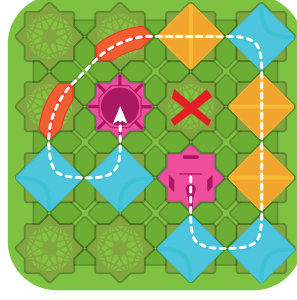
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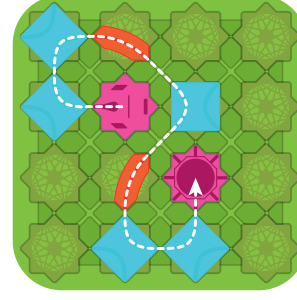
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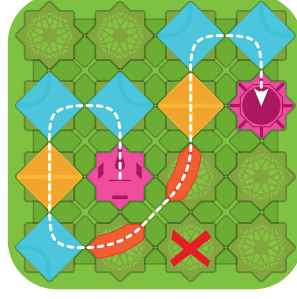
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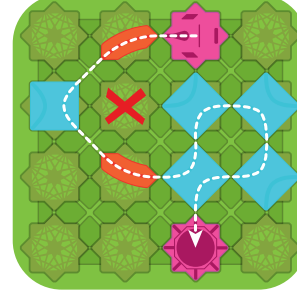
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53



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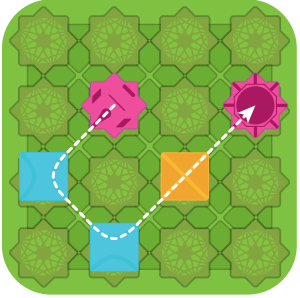


CHALLENGE SOLUTION

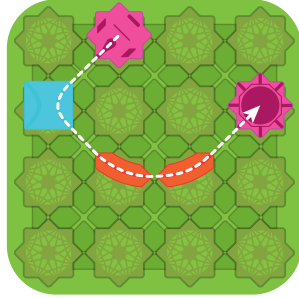
There is more than one answer to some questions! Only one solution example is shown here.

CHALLENGE SOLUTION

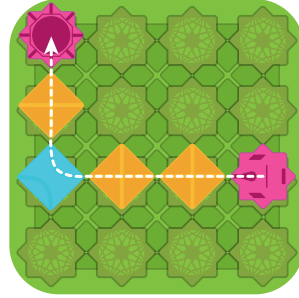
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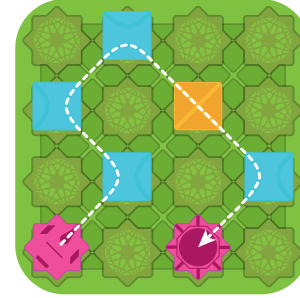
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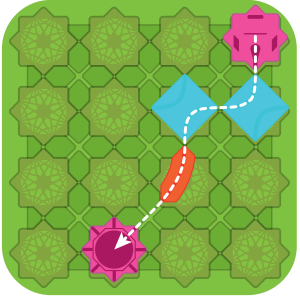
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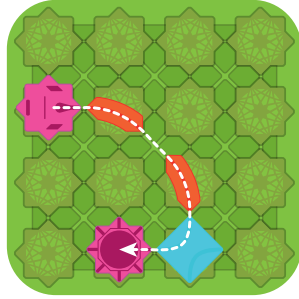
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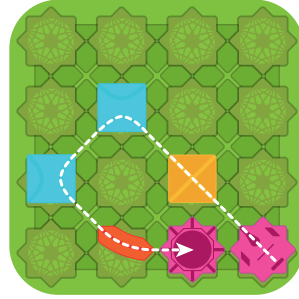
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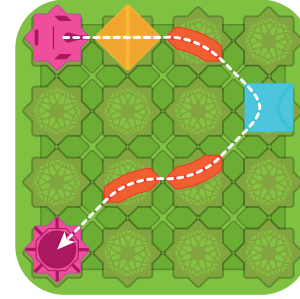
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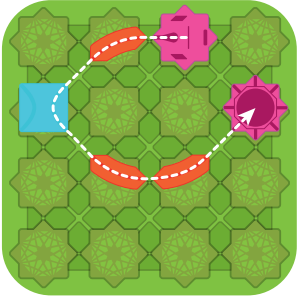
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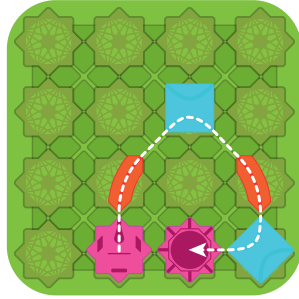
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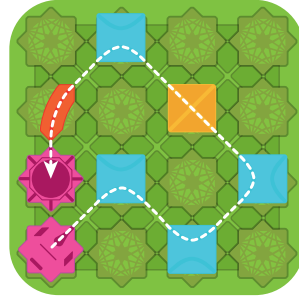
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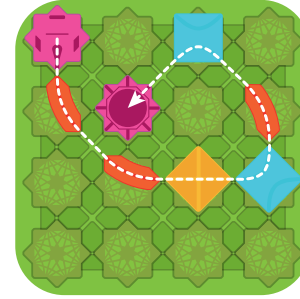
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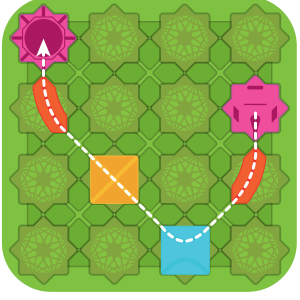
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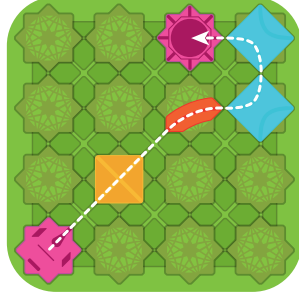
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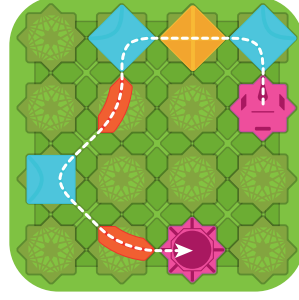
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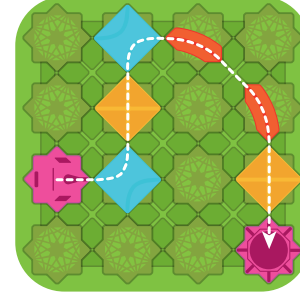
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69

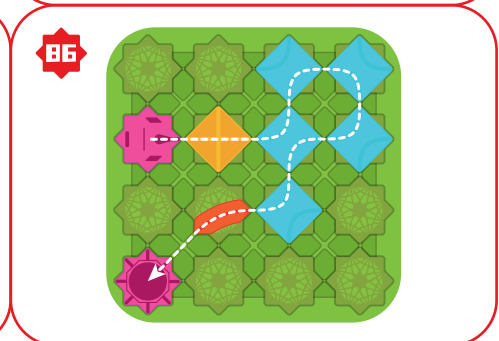
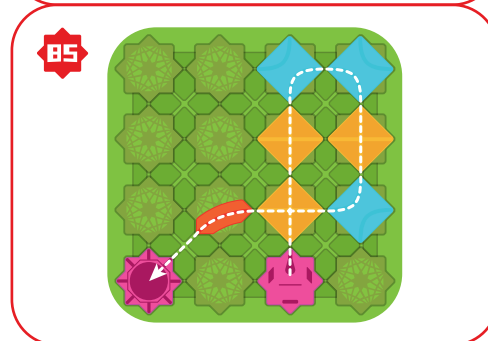
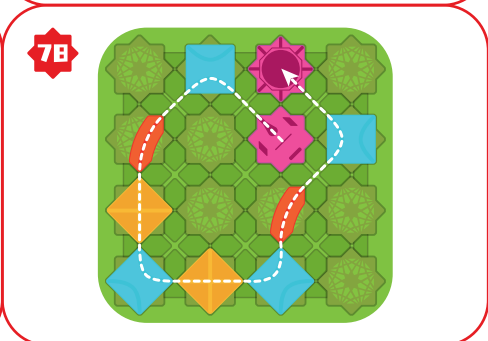
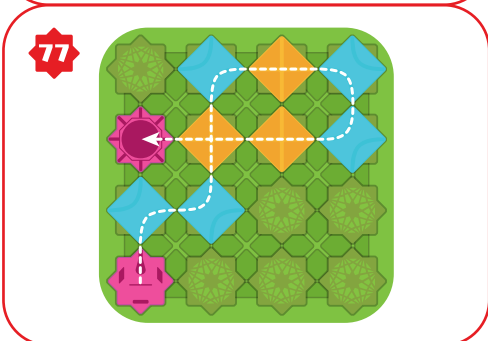
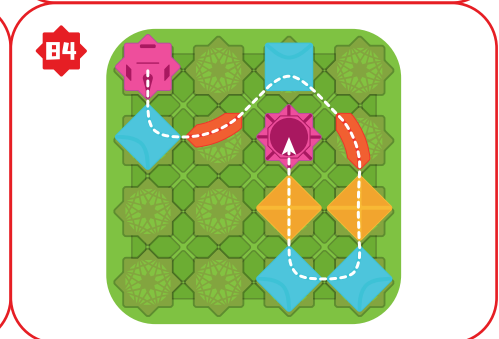
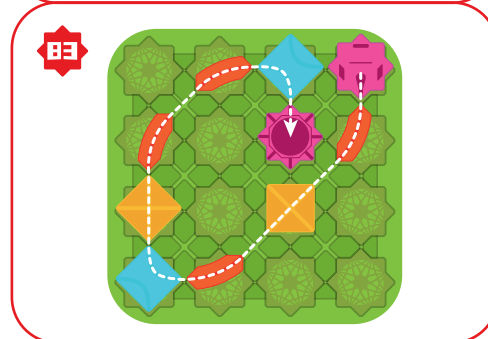
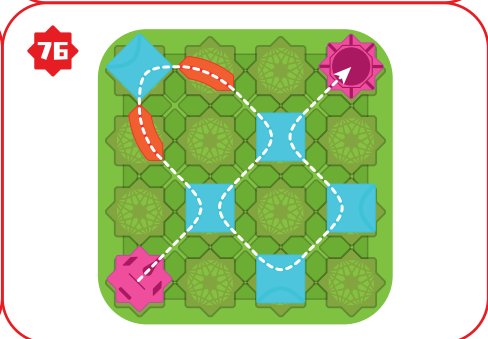
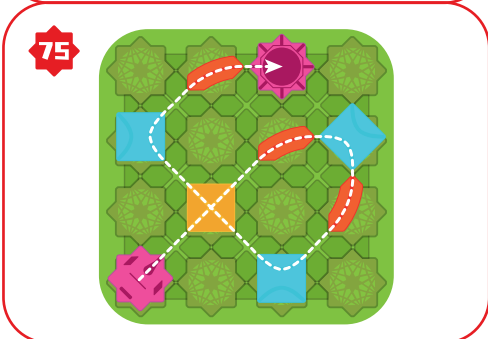
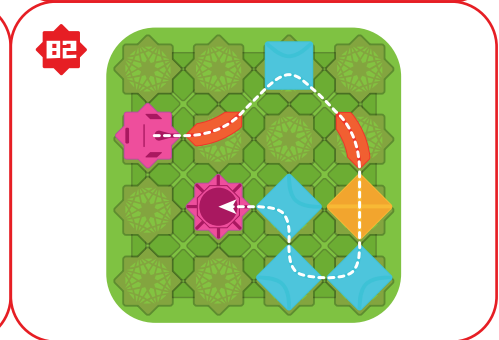
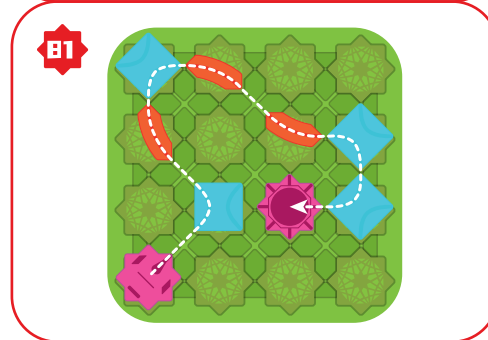
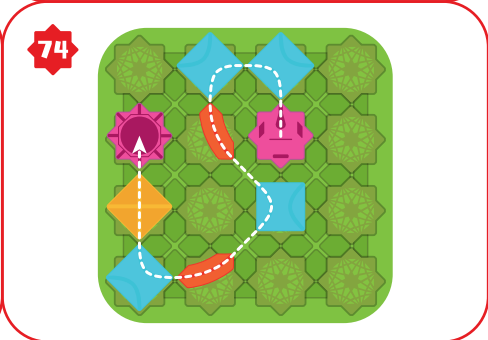
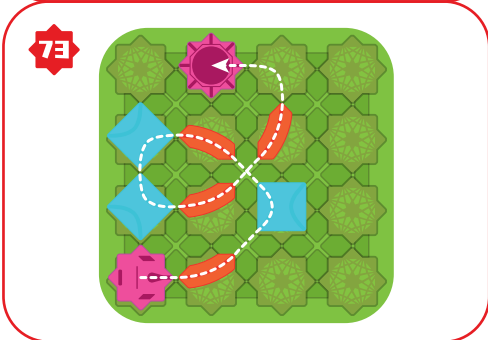
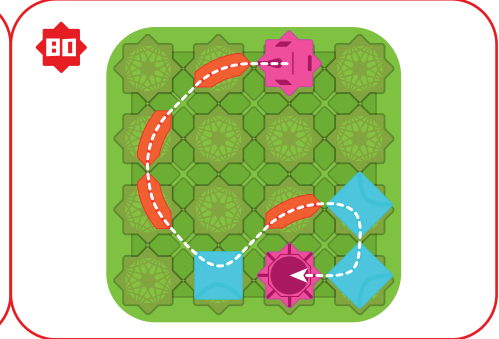
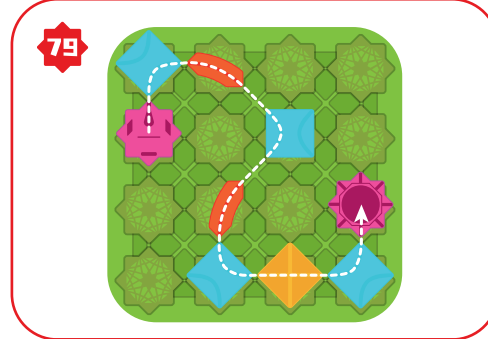
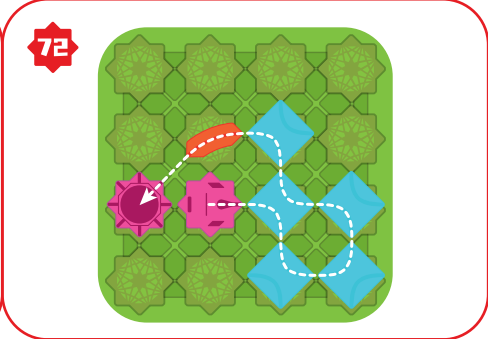
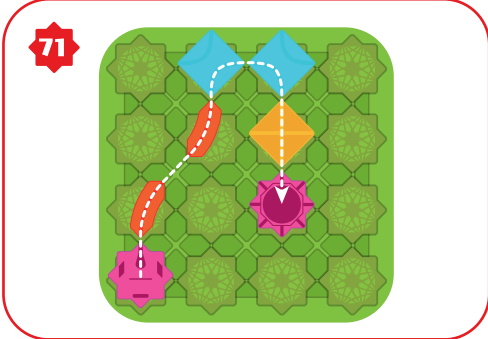


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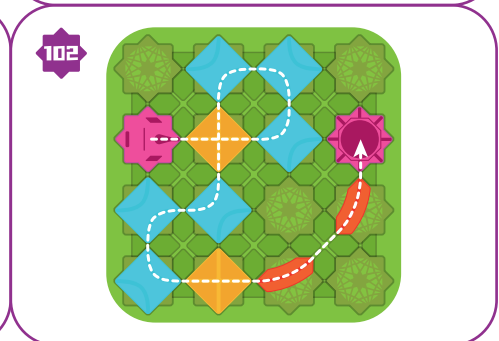
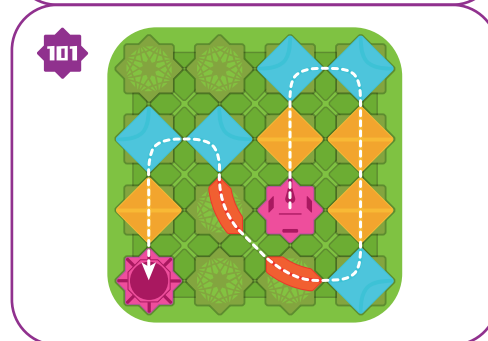
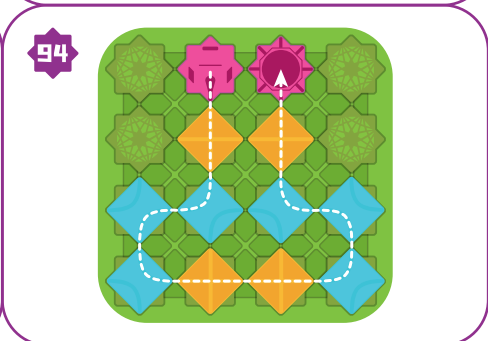
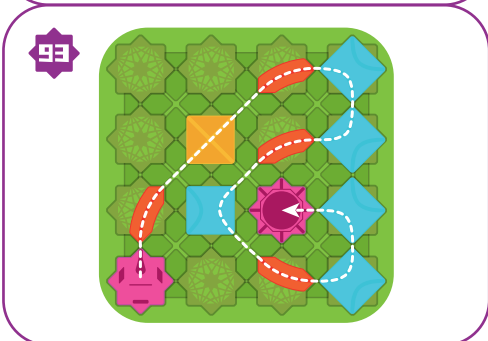
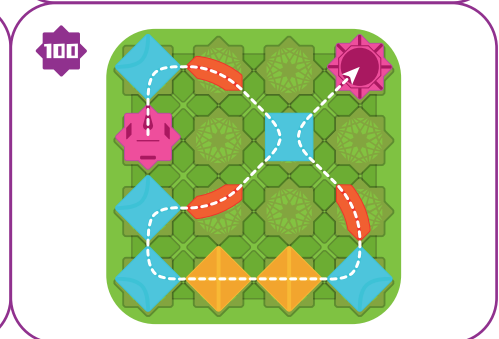
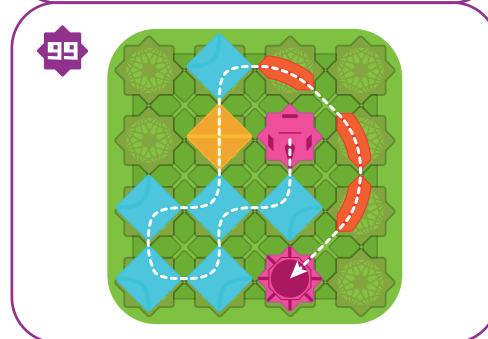
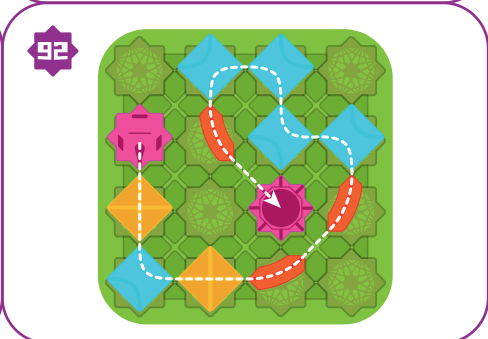
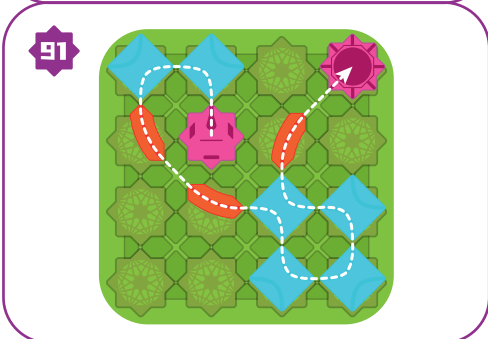
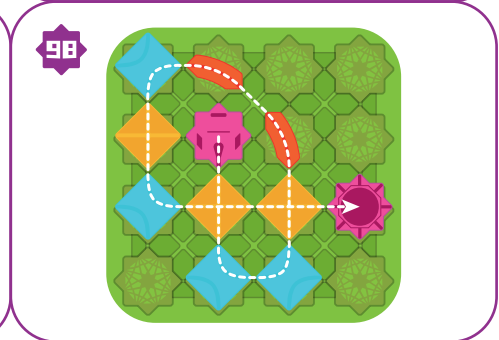
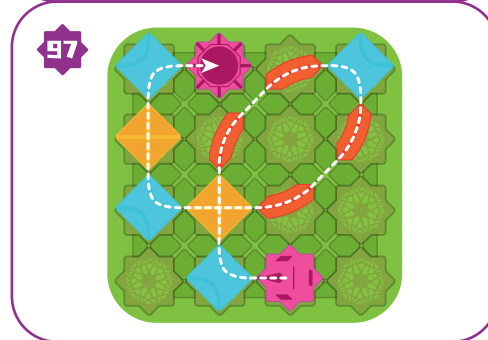
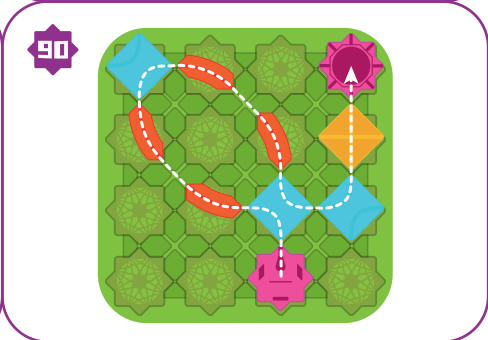
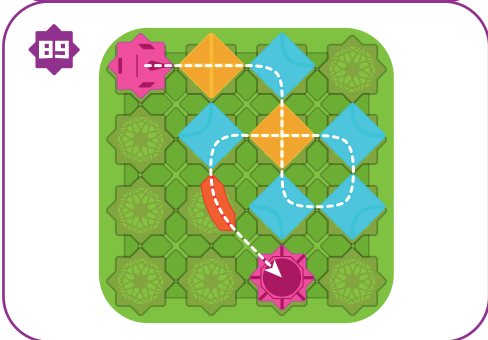
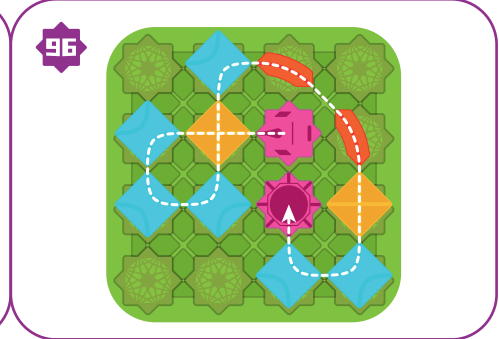
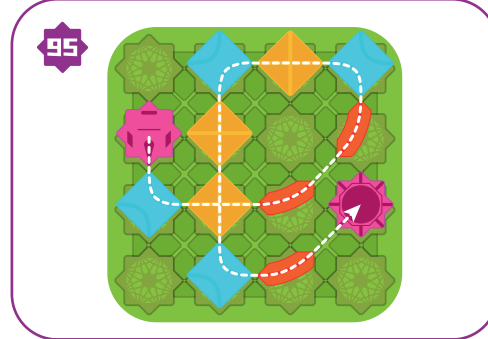
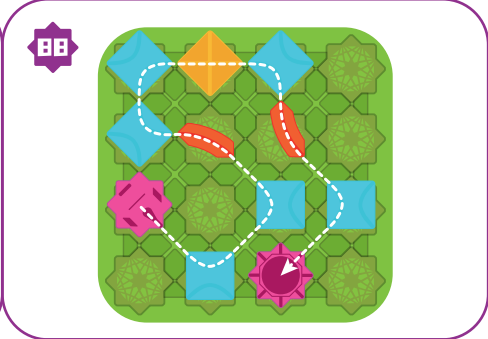
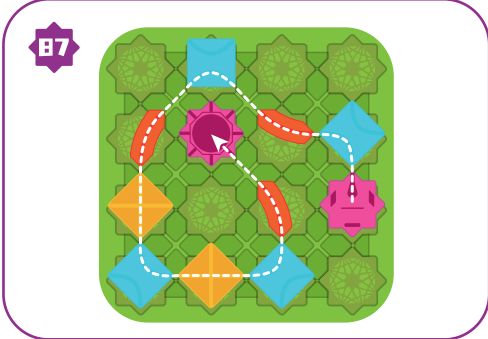
CHALLENGE SOLUTION

CHALLENGE SOLUTION



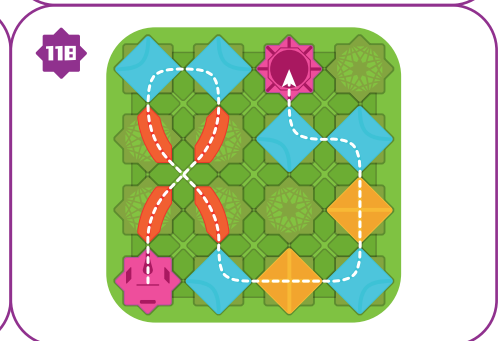
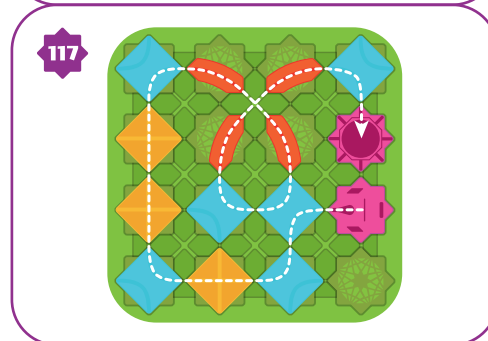
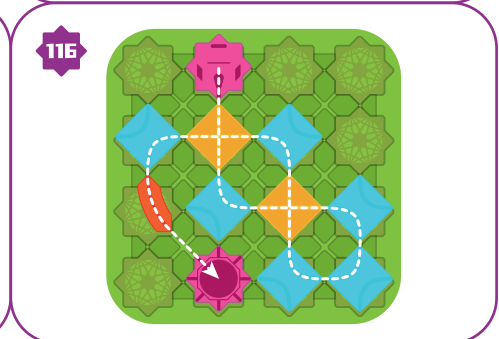
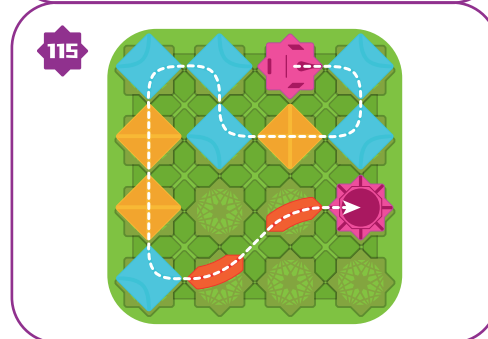
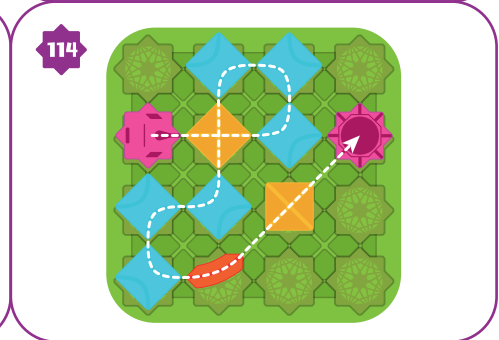
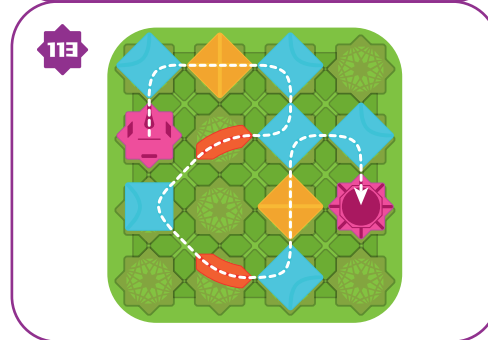
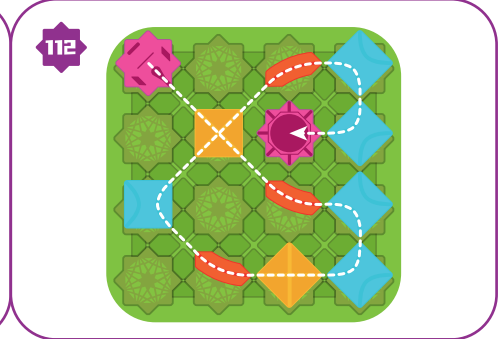
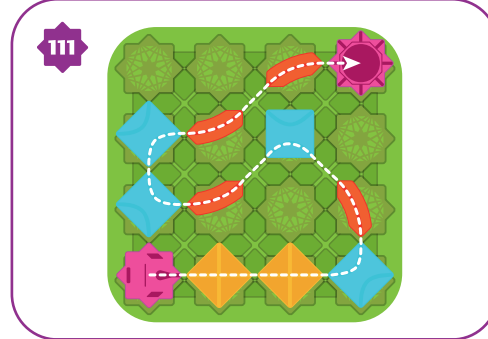
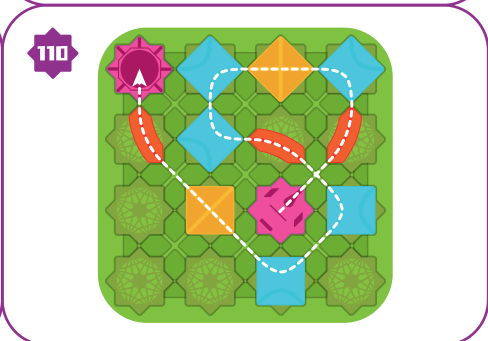
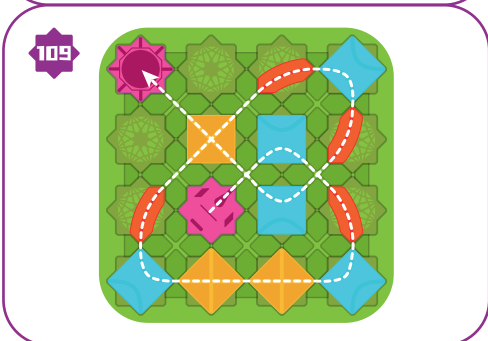
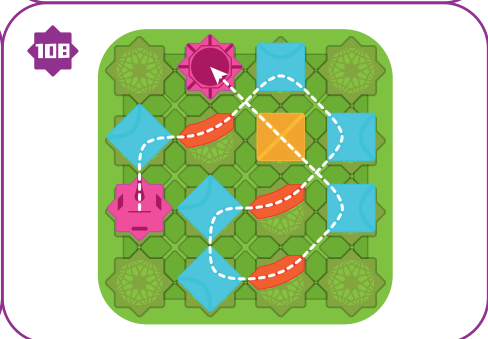
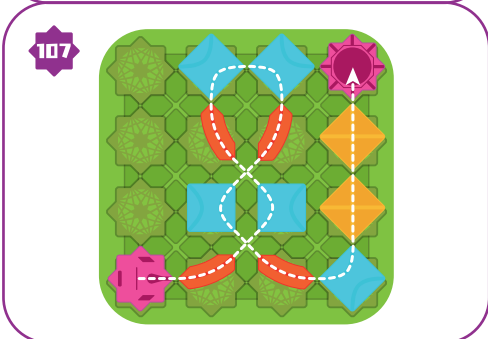
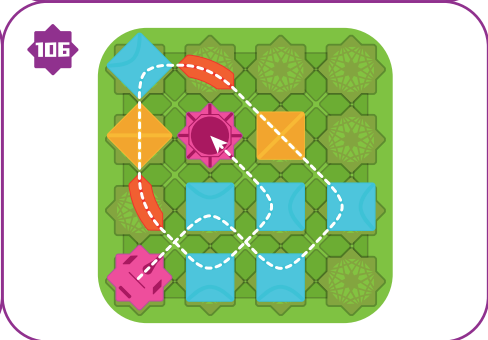
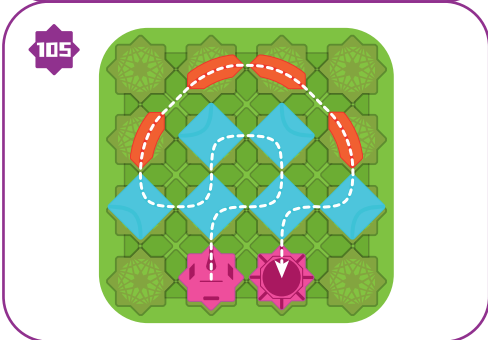
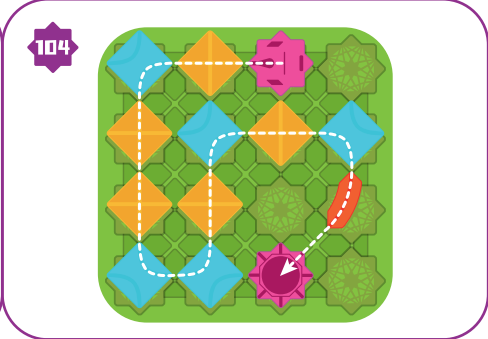
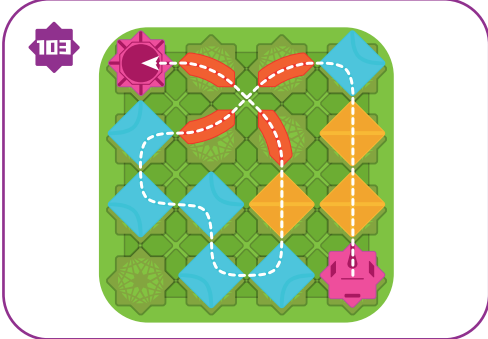
CHALLENGE SOLUTION

CHALLENGE SOLUTION

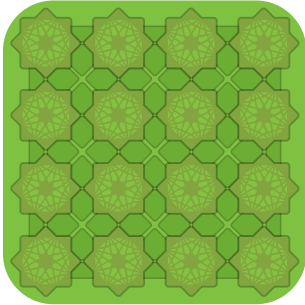


CHALLENGE SOLUTION

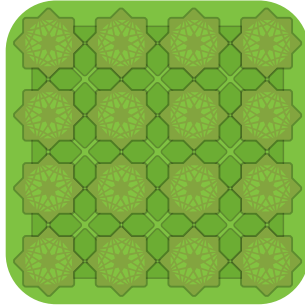
CHALLENGE SOLUTION



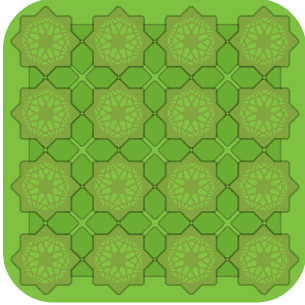
COLLECTION OF PRACTICES



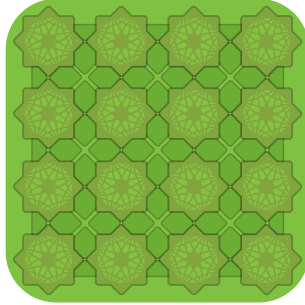
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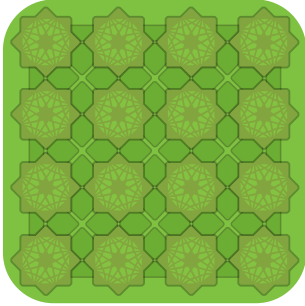
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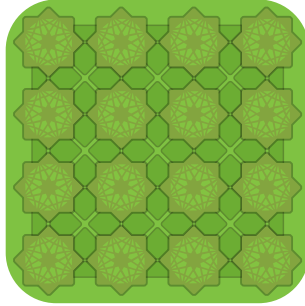
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 X_  X_  X_



 X_  X_  X_



 X_  X_  X_

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