

Marupeke

The objective Fill each empty cell either with an **O** or with an **X**. These should be chosen so that no more than two consecutive cells contain the same symbol, horizontally, vertically or diagonally.

Solution

The initial puzzle may contain cells with either an **O** or an **X**, otherwise they may be empty or filled in. The introductory example is seen to have two **O**s on a diagonal, therefore the next cell on that diagonal must have an **X**.

O		X	
	O		
		X	

The second row now has two **O**s side by side, so there must be an **X** on either side.

O		X	
X	O	O	X
		X	

The second column can now be completed with the addition of an **X**.

O		X	
X	O	O	X
	X	X	
	O		

The puzzle is now easily completed.

O		X	
	O		

The third vertical column now has two **X**s separated by an empty cell, so this cell must be filled with an **O**.

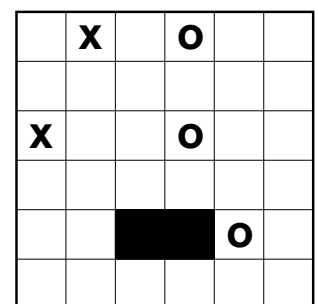
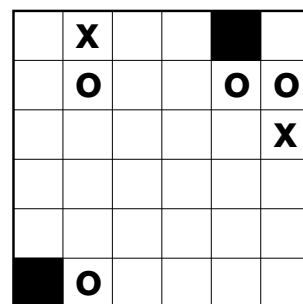
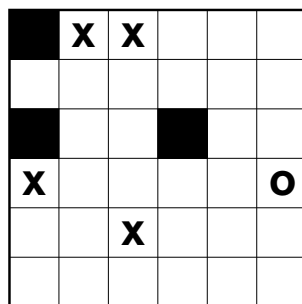
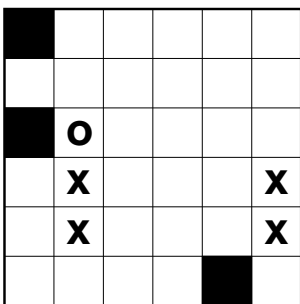
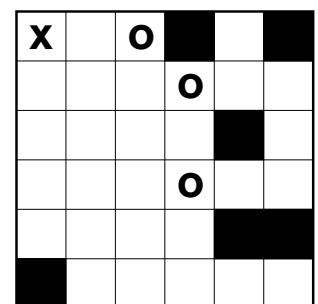
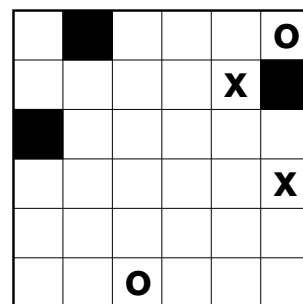
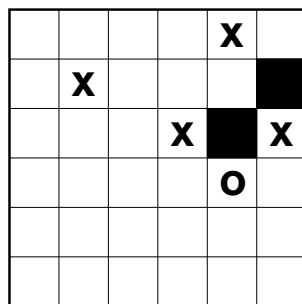
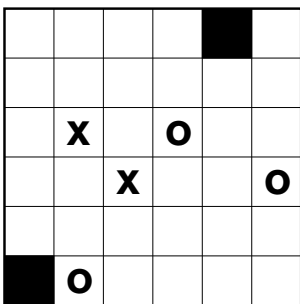
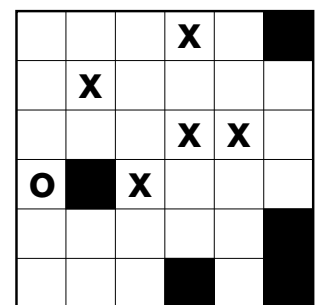
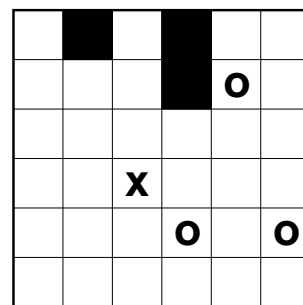
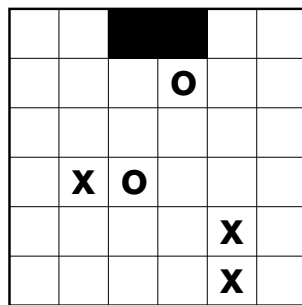
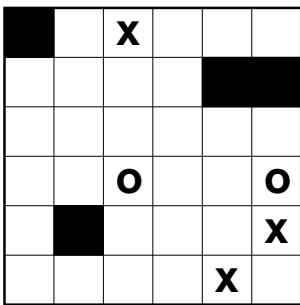
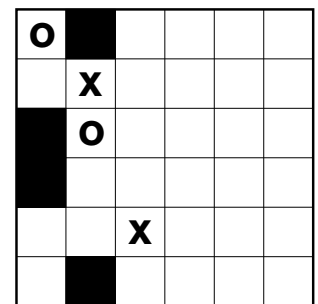
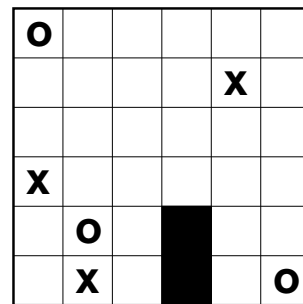
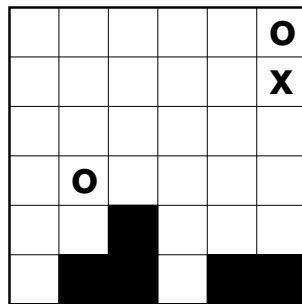
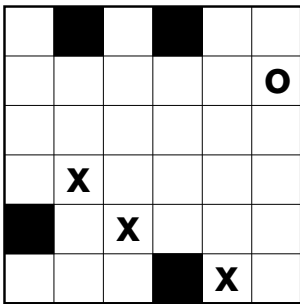
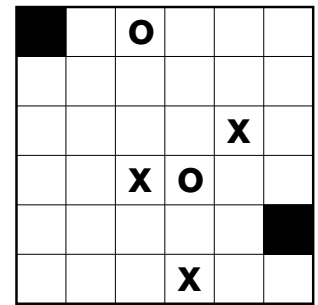
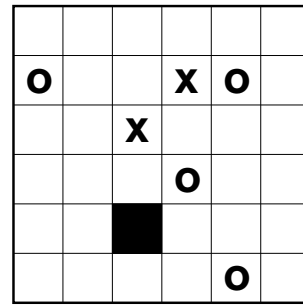
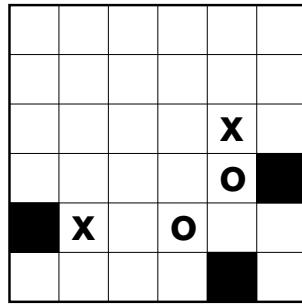
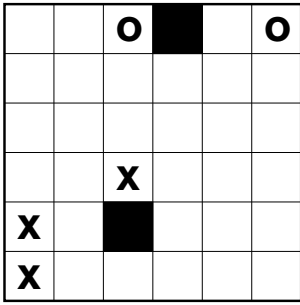
O		X	
	O	O	
		X	

There is now a diagonal with two **X**s which require an **O** in the second cell of the bottom row.

O		X	
X	O	O	X
		X	
	O		

The third row is now determined with the addition of two more **O**s.

O		X	
X	O	O	X
O	X	X	O
X	O	O	



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X	O	O	■	X	O
O	X	X	O	O	X
X	O	O	X	X	O
O	X	X	O	O	X
X	O	■	X	X	O
X	O	X	O	O	X

X	X	O	O	X	X
O	O	X	X	O	O
X	X	O	O	X	X
O	O	X	X	O	■
■	X	O	O	X	X
O	O	X	X	■	O

O	X	O	X	O	X
O	X	O	X	O	X
X	O	X	O	X	O
X	O	X	O	X	O
O	X	■	X	O	X
O	X	O	X	O	X

■	X	O	X	O	X
O	X	O	X	O	X
X	O	X	O	X	O
X	O	X	O	X	O
O	X	O	X	O	■
O	X	O	X	O	X

X	■	X	■	X	O
X	O	X	O	X	O
O	X	O	X	O	X
O	X	O	X	O	X
■	O	X	O	X	O
X	O	X	■	X	O

X	O	X	O	X	O
O	X	O	X	O	X
O	X	O	X	O	X
X	O	X	O	X	O
X	O	■	O	X	O
O	■	■	X	■	■

O	O	X	X	O	O
X	X	O	O	X	X
O	O	X	X	O	O
X	X	O	O	X	X
O	O	X	■	X	O
X	X	O	■	O	O

O	■	X	X	O	O
X	X	O	O	X	X
■	O	X	X	O	O
■	X	O	O	X	X
O	O	X	X	O	O
X	■	O	O	X	X

■	X	X	O	O	X
X	O	O	X	■	■
O	X	X	O	O	X
X	O	O	X	X	O
O	■	X	O	O	X
X	O	O	X	X	O

X	O	■	■	X	O
X	O	X	O	X	O
O	X	O	X	O	X
O	X	O	X	O	X
X	O	X	O	X	O
X	O	X	O	X	O

X	■	X	■	X	O
O	X	O	■	O	X
O	X	O	X	O	X
X	O	X	O	X	O
X	O	X	O	X	O
O	X	O	X	O	X

X	O	O	X	X	■
O	X	X	O	O	X
X	O	O	X	X	O
O	■	X	O	O	X
X	O	O	X	X	■
O	X	X	■	O	■

X	X	O	O	■	X
O	O	X	X	O	O
X	X	O	O	X	X
O	O	X	X	O	O
X	X	O	O	X	X
■	O	X	X	O	O

X	O	O	X	X	O
O	X	X	O	O	■
X	O	O	X	■	X
O	X	X	O	O	X
X	O	O	X	X	O
O	X	X	O	O	X

O	■	X	X	O	O
X	X	O	O	X	■
■	O	X	X	O	O
X	X	O	O	X	X
O	O	X	X	O	O
X	X	O	O	X	X

X	O	O	■	X	■
O	X	X	O	O	X
X	O	O	X	■	O
O	X	X	O	O	X
X	O	O	X	■	■
■	X	X	O	O	X

■	X	O	X	O	X
X	O	X	O	X	O
■	O	X	O	X	O
O	X	O	X	O	X
O	X	O	X	O	X
X	O	X	O	■	O

■	X	X	O	O	X
X	O	O	X	X	O
■	X	X	■	O	X
X	O	O	X	X	O
O	X	X	O	O	X
X	O	O	X	X	O

X	X	O	O	■	X
O	O	X	X	O	O
X	X	O	O	X	X
O	O	X	X	O	O
X	X	O	O	X	X
■	O	X	X	O	O

X	X	O	O	X	X
O	O	X	X	O	O
X	X	O	O	X	X
O	O	X	X	O	O
X	X	■	■	O	X
O	X	O	X	X	O

Marupeke solutions 6 × 6

O	X	X	O	O	X	X	O
X	O	O	X	X	O	O	X
O	X	X	O	O	X	X	O
X	■	O	X	X	O	O	X
O	X	X	O	■	X	X	O
X	O	O	X	X	O	O	X
O	■	X	O	O	X	X	■
X	O	O	X	X	O	O	X

O	X	O	X	O	X	O	■
X	O	X	■	X	■	X	O
X	O	X	O	X	O	X	O
O	X	O	X	O	X	O	X
O	X	O	X	O	X	O	X
X	O	X	O	X	O	X	O
X	O	X	O	X	■	X	O
O	■	O	X	O	X	O	X

X	O	X	O	X	O	X	O
■	O	X	O	X	O	X	O
O	X	O	■	O	X	O	X
■	X	O	X	O	X	O	X
X	O	X	O	X	O	X	O
X	O	X	O	X	O	X	O
O	X	O	X	O	X	O	X
O	X	O	■	O	X	O	X

O	X	O	X	O	X	O	X
X	O	X	O	X	O	X	O
X	O	X	O	X	O	X	O
O	X	O	X	O	X	■	■
O	X	O	■	O	X	O	X
■	O	X	O	X	O	X	O
X	O	X	O	X	O	X	O
O	X	O	X	O	X	O	■

■	O	O	■	X	■	X	O
O	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O
O	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O
O	O	X	X	O	O	X	■
X	X	O	O	X	X	O	O
O	O	X	X	O	O	X	X

X	O	X	O	X	O	X	O
O	■	O	X	O	X	O	X
O	■	O	X	O	X	O	X
X	O	X	O	X	O	X	O
X	O	X	O	X	O	■	O
O	X	O	X	O	X	O	X
O	X	■	X	O	X	■	X
X	O	X	O	X	O	X	O

X	O	X	O	X	O	X	■
O	X	O	■	O	X	O	X
O	X	O	X	O	X	O	X
X	O	X	O	X	O	X	■
X	■	X	O	■	O	■	O
O	X	■	X	O	X	O	X
O	X	O	X	O	X	O	X
■	O	X	O	X	O	X	O

O	X	O	X	O	X	O	■
X	O	X	O	X	O	X	■
X	O	X	O	X	O	X	O
O	X	O	X	O	X	O	X
■	X	O	X	O	X	O	X
X	O	X	O	■	O	X	O
X	O	■	O	X	O	X	O
O	X	O	X	O	X	O	X

O	X	O	X	O	X	■	■
O	X	O	X	O	X	O	X
X	O	X	O	X	O	X	O
X	O	X	O	X	O	X	O
O	X	O	X	O	X	O	X
O	X	O	X	O	X	O	X
■	O	X	O	X	O	X	O
X	O	X	O	X	O	X	O

O	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O
O	■	X	X	O	O	X	X
X	X	O	O	X	X	O	■
O	■	X	■	O	O	X	X
X	X	O	O	X	X	O	O
O	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O

X	O	X	O	X	■	X	O
X	O	X	O	X	O	X	X
O	X	O	X	O	X	O	O
O	X	O	X	O	X	O	X
X	O	X	O	X	■	X	O
X	■	X	O	X	O	X	O
O	X	O	X	O	X	O	X
O	X	O	X	O	X	O	■

■	O	X	O	X	O	X	O
■	X	■	X	O	X	O	X
O	X	O	X	O	X	O	X
X	O	X	O	X	O	X	O
■	O	X	O	X	O	■	■
O	X	O	X	O	X	O	X
O	X	O	X	O	X	O	X
X	O	X	O	X	O	X	O

X	■	■	X	O	X	■	X
O	X	O	X	O	X	O	X
X	O	■	O	X	O	X	O
X	O	X	O	X	O	X	O
O	X	O	X	O	X	■	X
O	X	O	X	O	X	O	X
X	O	■	O	X	O	X	O
X	O	X	O	X	O	X	■

X	O	X	O	X	O	X	O
X	O	X	■	X	O	X	■
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O	X	O	X	O	■	O	X
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X	O	X	O	X	O	■	X
O	X	O	X	O	X	O	O
O	X	O	X	■	X	O	■

X	O	O	■	■	■	X	■
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O	O	X	X	■	O	X	X
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X	X	O	O	X	X	O	O
■	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O

O	O	X	X	O	O	■	X
X	X	O	O	X	X	O	■
O	O	X	X	O	O	X	X
■	X	O	O	X	X	O	O
O	O	X	X	O	O	X	X
X	X	O	O	X	X	O	■
O	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O

X	O	X	O	X	O	■	■
X	O	X	O	■	O	X	O
O	X	O	X	O	X	O	X
O	X	O	X	■	X	O	X
X	O	X	O	X	O	X	O
X	O	X	O	X	O	X	O
O	X	O	X	O	X	O	X
O	X	O	X	O	■	O	X

■	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O
O	O	■	X	O	O	X	X
X	X	O	O	X	X	■	O
■	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O
O	O	X	X	O	O	X	X
■	X	O	O	X	X	O	O

X	O	O	X	O	X	O	■
O	O	X	O	X	O	X	O
X	■	X	■	X	O	X	O
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■	X	O	X	O	X	O	X
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X	O	X	O	X	O	X	O
O	X	O	X	O	X	O	X

O	O	X	X	O	O	■	X
X	X	O	O	X	X	O	O
O	O	X	X	O	O	X	X
X	X	O	O	X	■	O	O
O	■	X	X	O	O	X	X
X	■	O	O	X	X	O	■
O	O	X	X	O	O	X	X
X	X	O	O	X	X	O	O

