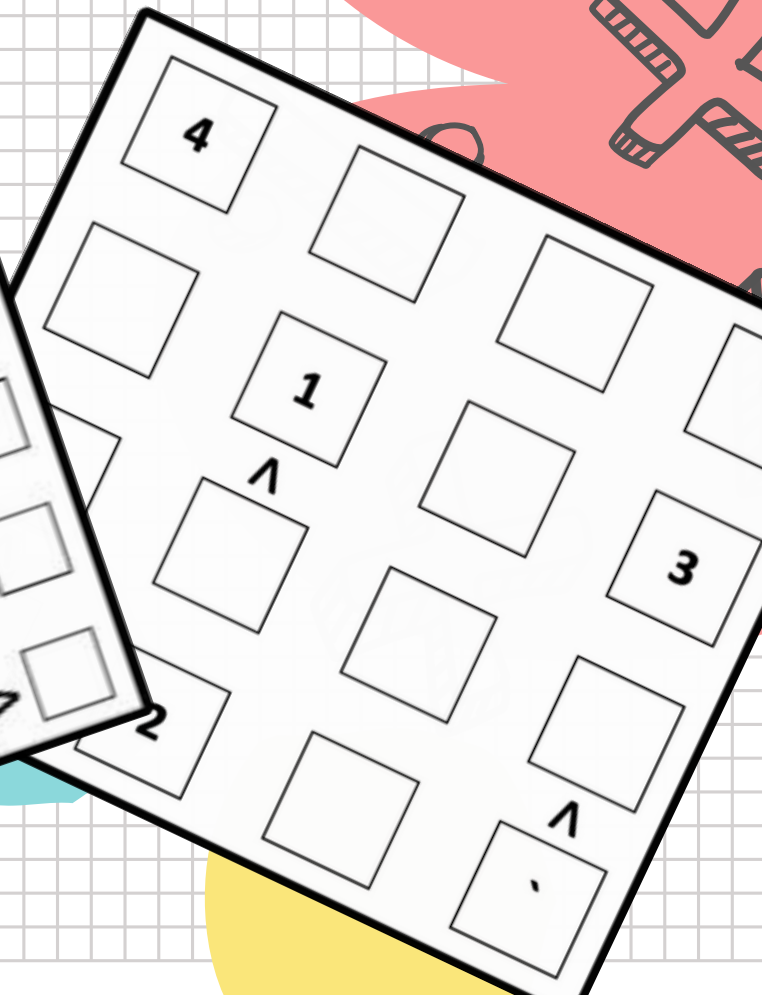
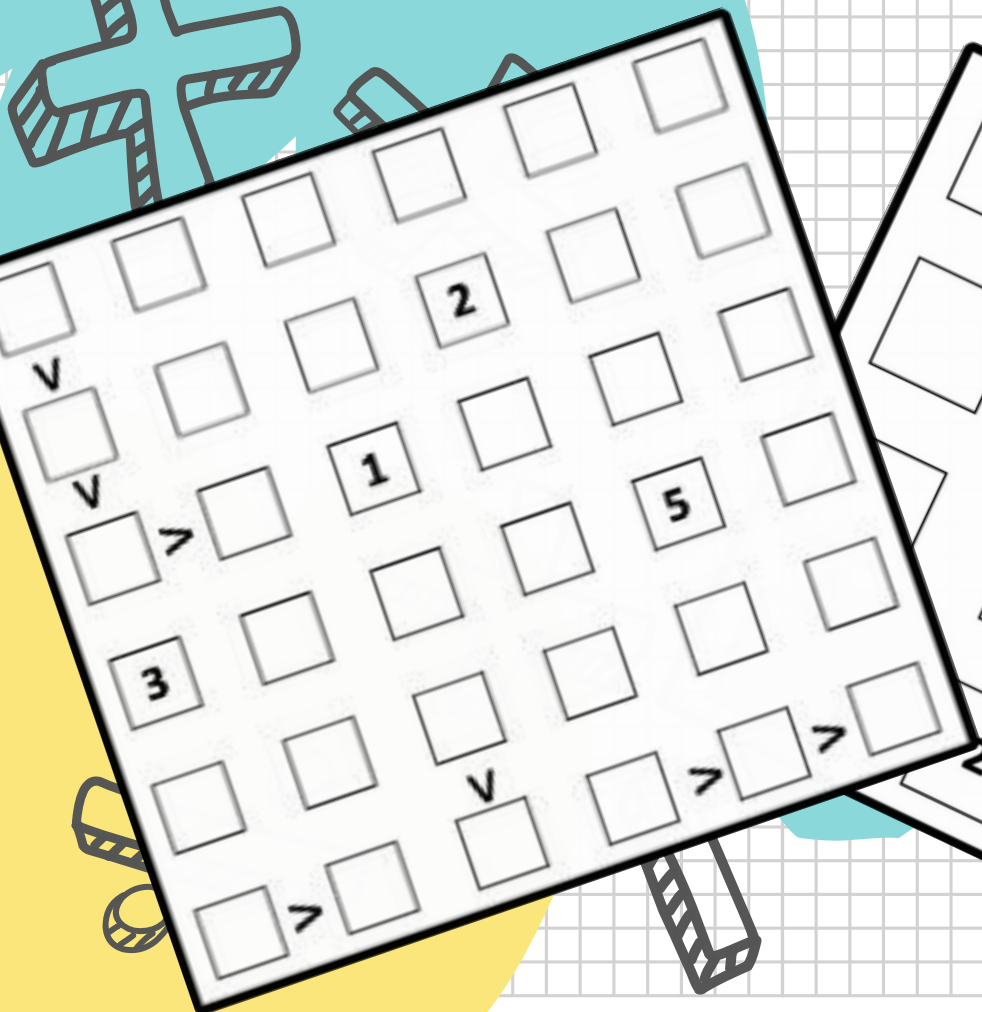


MWE

MATHS WEEK ENGLAND

FUTOSHIKI PUZZLES

ANDREW JEFFREY



Maths Week England 2023

Futoshiki Puzzles

INSTRUCTIONS

Fill in the empty boxes so that every row and column contains every numbers from 1-6 exactly once. (Or 1-4 in the first five puzzles).

The arrows are < and > symbols, and numbers must follow the greater or less than rules.

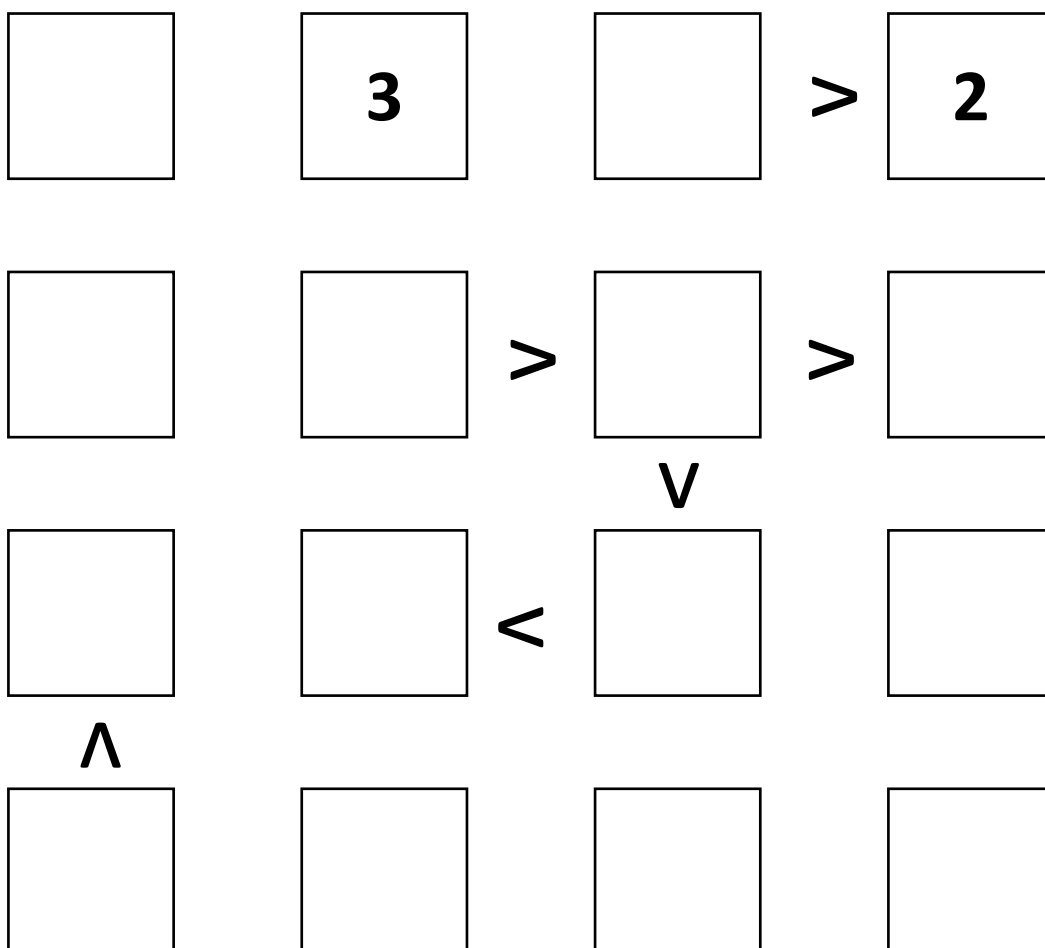
So, the empty square in this picture can only contain a 1 or a 2 (as it *must* be less than 3):

$$\square < \square 3$$

The empty square in this picture could be only be a 5 or a 6 (as it *must* be greater than 4):

$$\square > \square 4$$

Puzzle 1



Puzzle 2

^
^
^

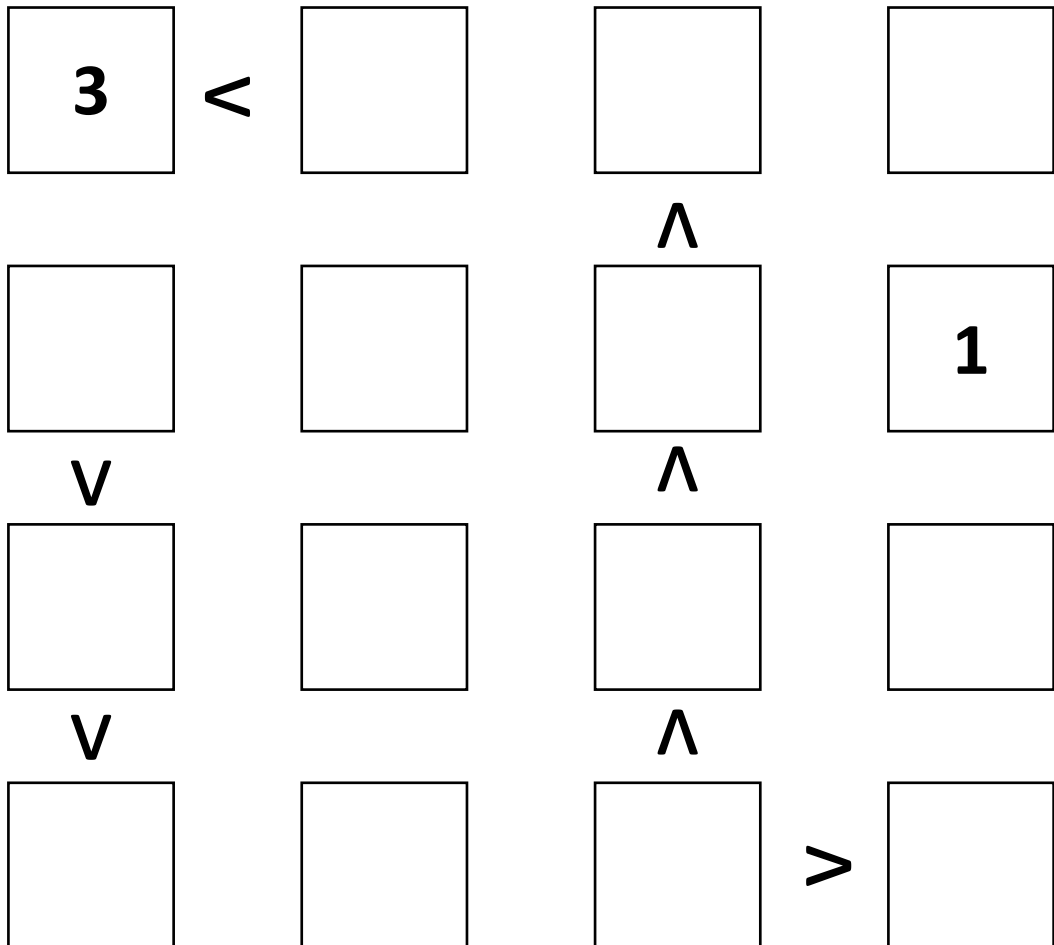
v
v
v
v

^
^
^
^

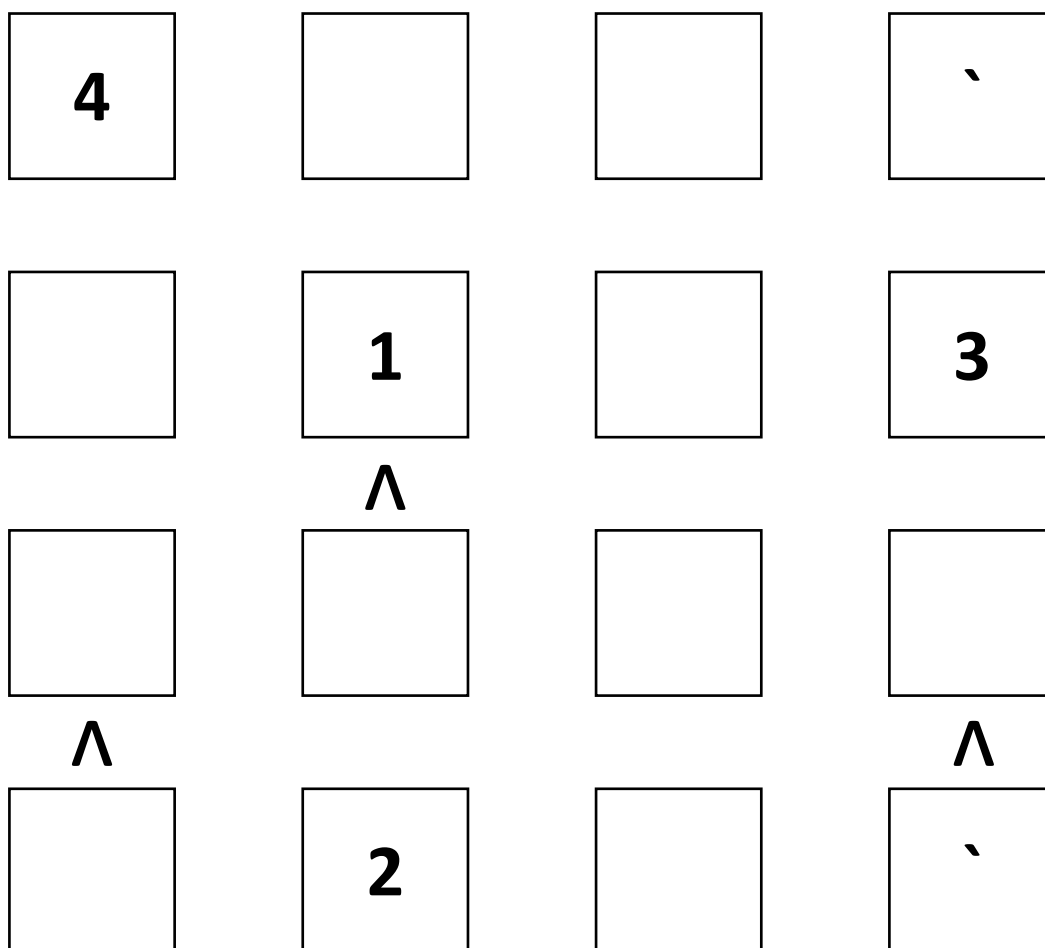
v
v

v
v

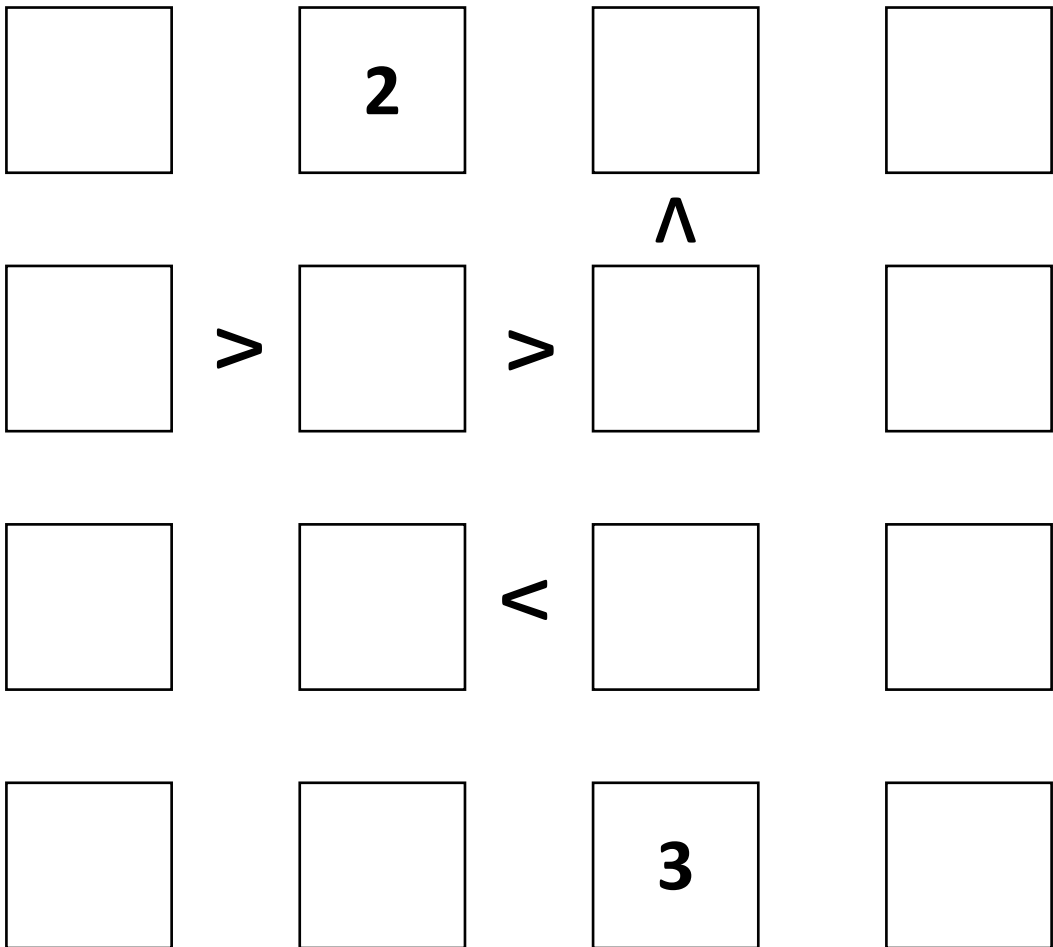
Puzzle 3



Puzzle 4



Puzzle 5



Puzzle 6

∨					
			2		
∨					
	>	1			
3				5	
		∨			
	>			>	>

Puzzle 7

					>	
		>		<		
	>	^				
				v		
		3	<			
						^
		v				^
				<		<
						3

Puzzle 8

			>	4	
^					>
3					
	^	^	^		
	^	^			^
		<	<		
				>	3

Puzzle 10

<input type="text"/>	>	<input type="text"/>	>	<input type="text"/>	>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	>	<input type="text"/>	4	<	<input type="text"/>
<input type="text"/>	>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	5