

數方 Shikaku

Shikaku (also known as Rectangles) is a logic puzzle. The object is to divide the grid into rectangular and square pieces such that each piece contains exactly one number, and that number represents the number of cells in that rectangle.

Rules:

- 1) one rectangular (or square) piece can only contain one number;
- 2) the area of the rectangle (or square) must be matched with the number in the rectangular (or square) piece;
- 3) rectangles (or squares) cannot overlap.

Sample:

3				2
	4			2
4		2		
			3	
		3	2	

3				2
	4			2
4		2		
			3	
		3	2	

'3's and '2's on the top and bottom row can only be horizontal rectangles.

3				2
	4			2
4		2		
			3	
		3	2	

The '4' in the second row must be horizontal rectangles.

3				2
	4			2
4		2		
			3	
		3	2	

The cell below the '4' in the third row must belong to the '4'. It is a 2X2 square.

3				2
	4			2
4		2		
			3	
		3	2	

Finish another 3 rectangles (or squares).