SET CARPETS

Divide the grid into non-overlapping rectangular blocks such that each block contains exactly one number.

The number represents the amount of cells in the block. The grid may contain cells that belong to no one block.

2		3				5		
4							3	3
			3					
				6				
			4					6
		1		6				
	3	6						
3					5			
3					2		4	2