CONTEXT

Shade some cells in the grid black such that no two black cells are orthogonally adjacent and all white cells are connected horizontally or vertically.

A numbered cell can be shaded. A white numbered cell corresponds to the total number of orthogonally adjacent black cells.

A shaded numbered cell should indicate the number of diagonally adjacent black cells.

1			1		2			
0							1		1
			1	2					2
	2		3					3	
			1		1	1			1
2		1						1	
		1							0
				3		2			
1			2						1