

Knight Surveyors

Blacken eighteen unnumbered squares such that each numbered square is one knight's move away from that number of black squares, and every black square is one knight's move away from some numbered square.

Sample Puzzle:

(eight, not eighteen squares)

1				
2	2	3		
0		1		
1		1	1	1
			2	

Sample Solution:

1				
2	2	3		
0		1		
1		1	1	1
			2	

Convenience checkboxes:

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

		0	2					
		2		3		1	1	
				1	2	2	2	
1	0			4			1	0
	3						3	0
						4	0	
	2	2				2	2	
		3	2		2	3	1	
			1	1	1			