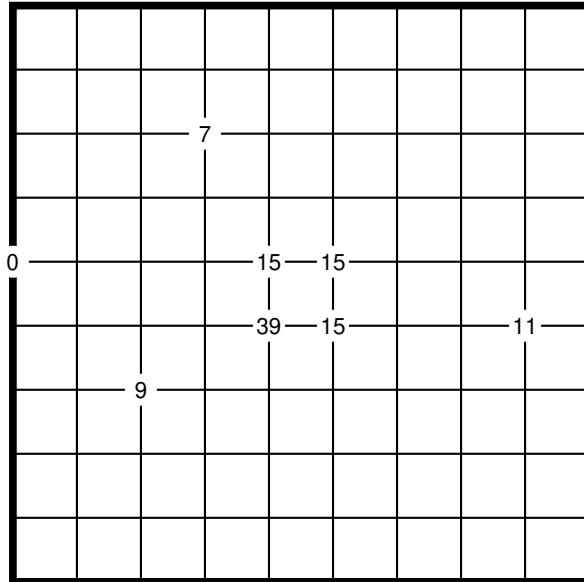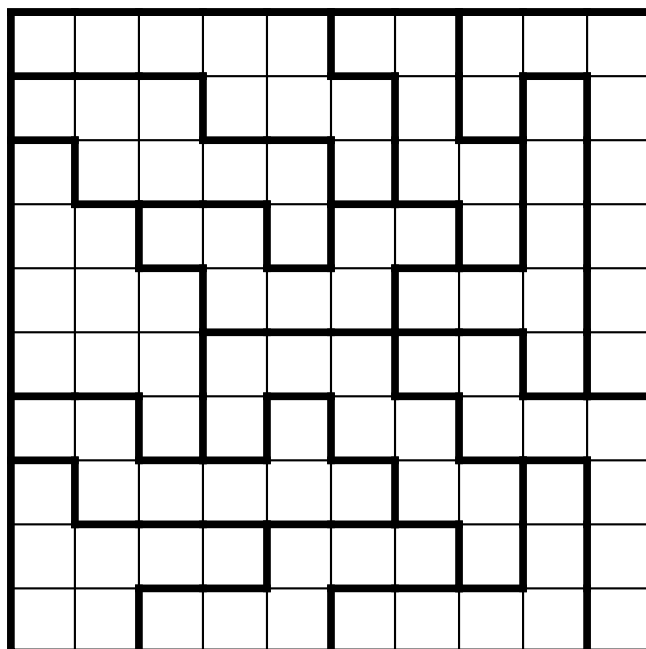## 8.1 Land measurement

Blacken some cells of the grid such that for any two black cells there is at most one path along black cells connecting them. The path connects horizontally and vertically neighboring black cells. That means, there cannot be a closed loop on the black cells. Numbers indicate the length of the shortest path that visits all black cells among the four touched cells. An infinity symbol ∞ means that there is no such path.
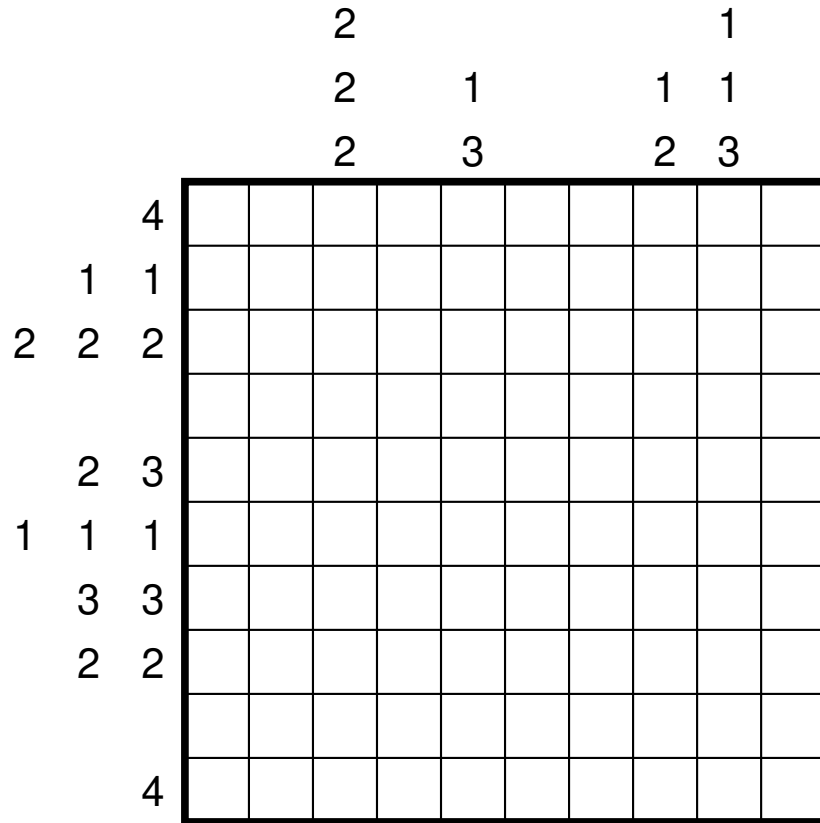

8.2 LITS

Blacken some cells such that in every region there are four connected black cells, forming a tetromino. All black cells are connected but no 2x2 area is completely black. Equal tetrominoes do not share an edge. Mirrored or rotated tetrominoes are considered equal.

8.3 Fillomino

Divide the grid into regions and write a number into each cell, indicating the region's area. Regions of the same area do not share an edge. Given numbers may belong to the same region. There may be regions not containing any given number, even with numbers bigger than any given number.

5								6
	6					5		
	7		7		8		8	
	6					5		
1								4
		5				6		
	8		8	8	7		7	
		5				6		
6								5

8.4 Ghost Train

number range: 1-9

2	
2	2

3 11 | 2 | 9 | | 3 |

			4	3	3				
	10	15	8	4	4	3			
15	12	12	29	10	10	10	26	42	20

| 18 |
| 4 4 |
| 10 13 |
| 1 15 15 |
| 16 18 |
| 27 |

8.5   Coral

Blacken some cells of the grid to form a coral. A coral consists of connected cells, does not touch itself, not even diagonally, and does not contain 2x2 regions. The outside numbers indicate the lengths of sequences of coral cells within the respective row or column. The numbers are not necessarily in the correct order. Different sequences are separated by at least one empty cell. Numbers can be replaced by question mark. A question mark represents a one-digit or a multi-digit number.

8.6   Myopia

Draw a loop along the dotted lines. The arrows indicate in which direction (horizontally and vertically) the closest loop segment appears. If multiple segments have equal distance, all arrows in those directions are indicated.