

**Logic Masters 2019
Round 1 – Welcome**

Time: 30 minutes

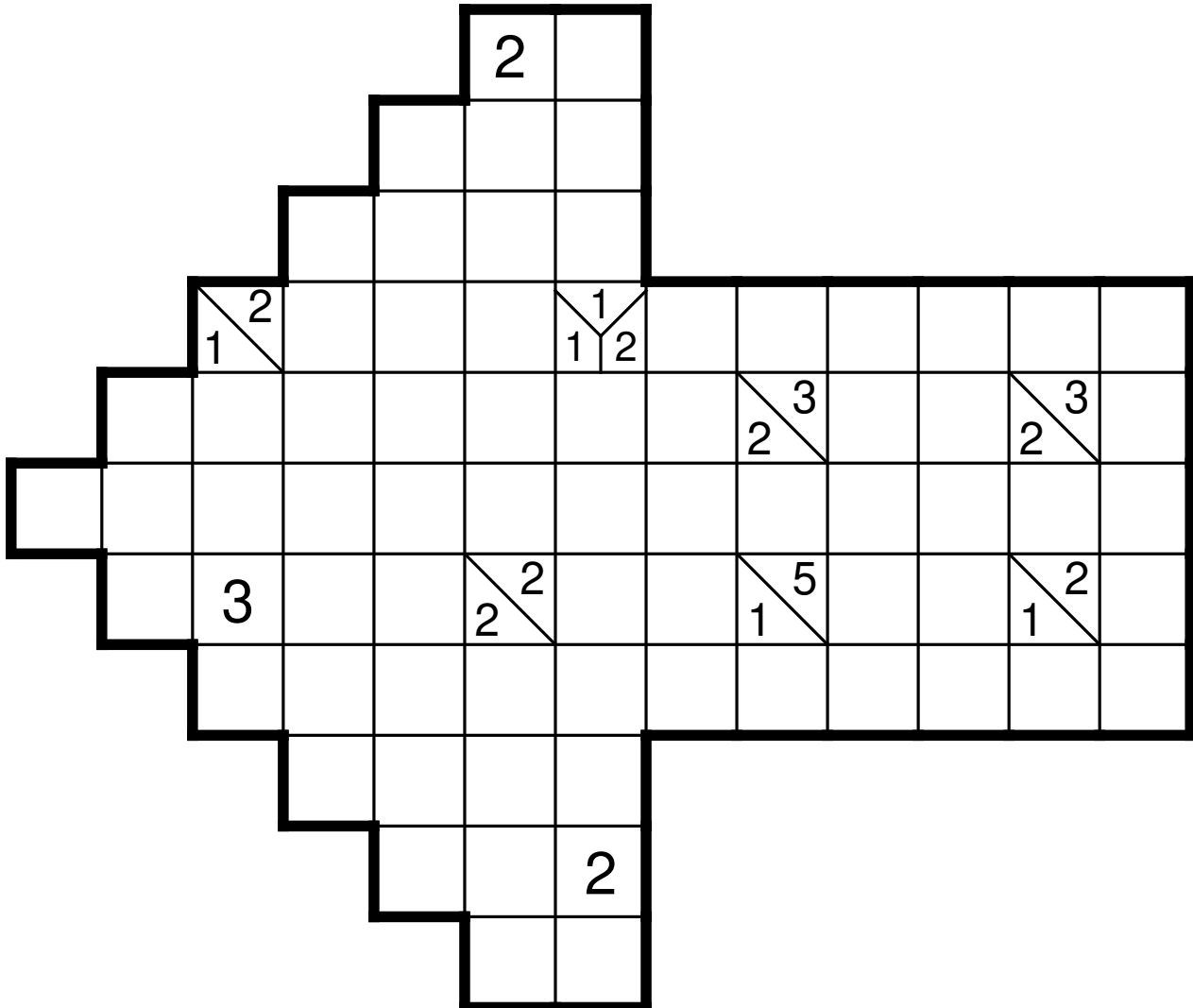
1.1 Tapa	10 points
1.2 Dominion	10 points
1.3 Myopia	15 points
1.4 Nurikabe	15 points
1.5 Variable Capsules	25 points
1.6 Kakuro	35 points
1.7 Geradeweg	20 points
1.8 Pentomino Dissection	10 points
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Total	140 points
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Bonus for every 30 seconds remaining	2 points

PUNKTE

1.1 Tapa

10 Punkte

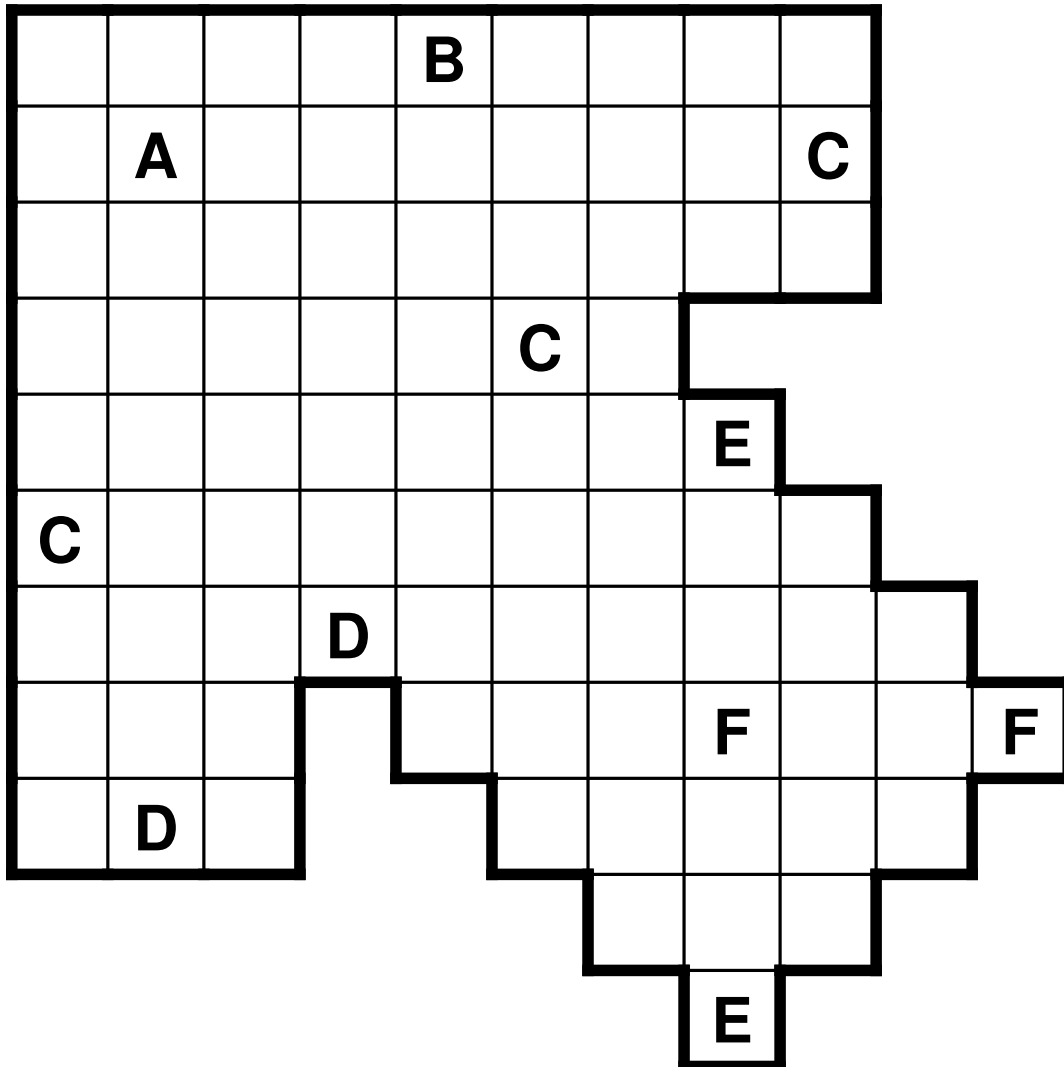
Blacken some empty cells such that all black cells are connected but no 2x2 area is blackened completely. Numbers determine the size of all groups in the eight adjacent cells. A group is a sequence of connected black cells. Different groups are separated by at least one white cell. The order of numbers in a clue cell is irrelevant.



1.2 Dominion

10 Punkte

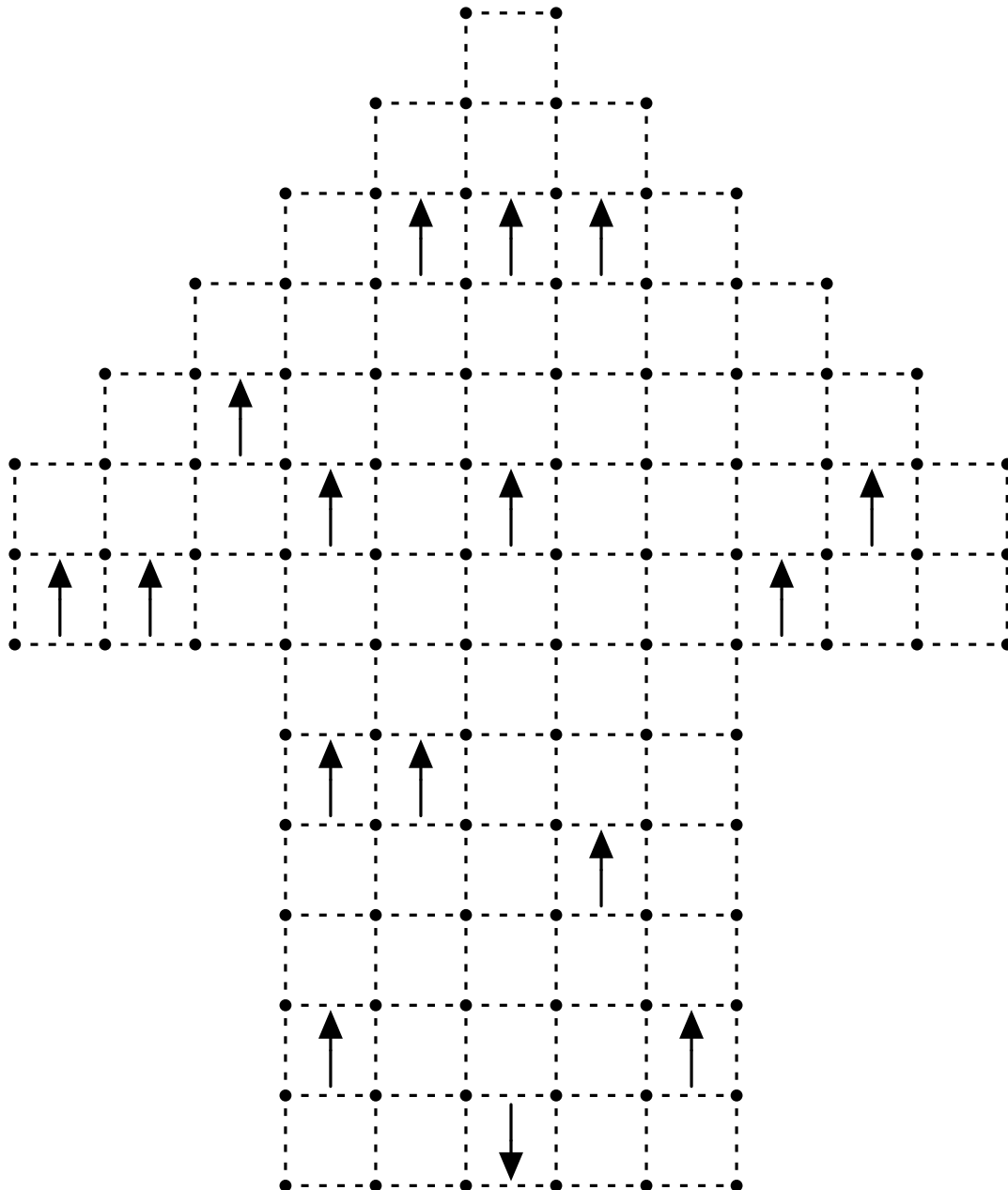
Place dominoes consisting of two adjacent cells in the diagram, such that they divide the remaining cells into regions. The dominoes are not allowed to overlap or touch orthogonally. All equal letters have to be in the same region and different letters have to be in different regions. Regions without letters are not allowed.



1.3 Myopia

15 Punkte

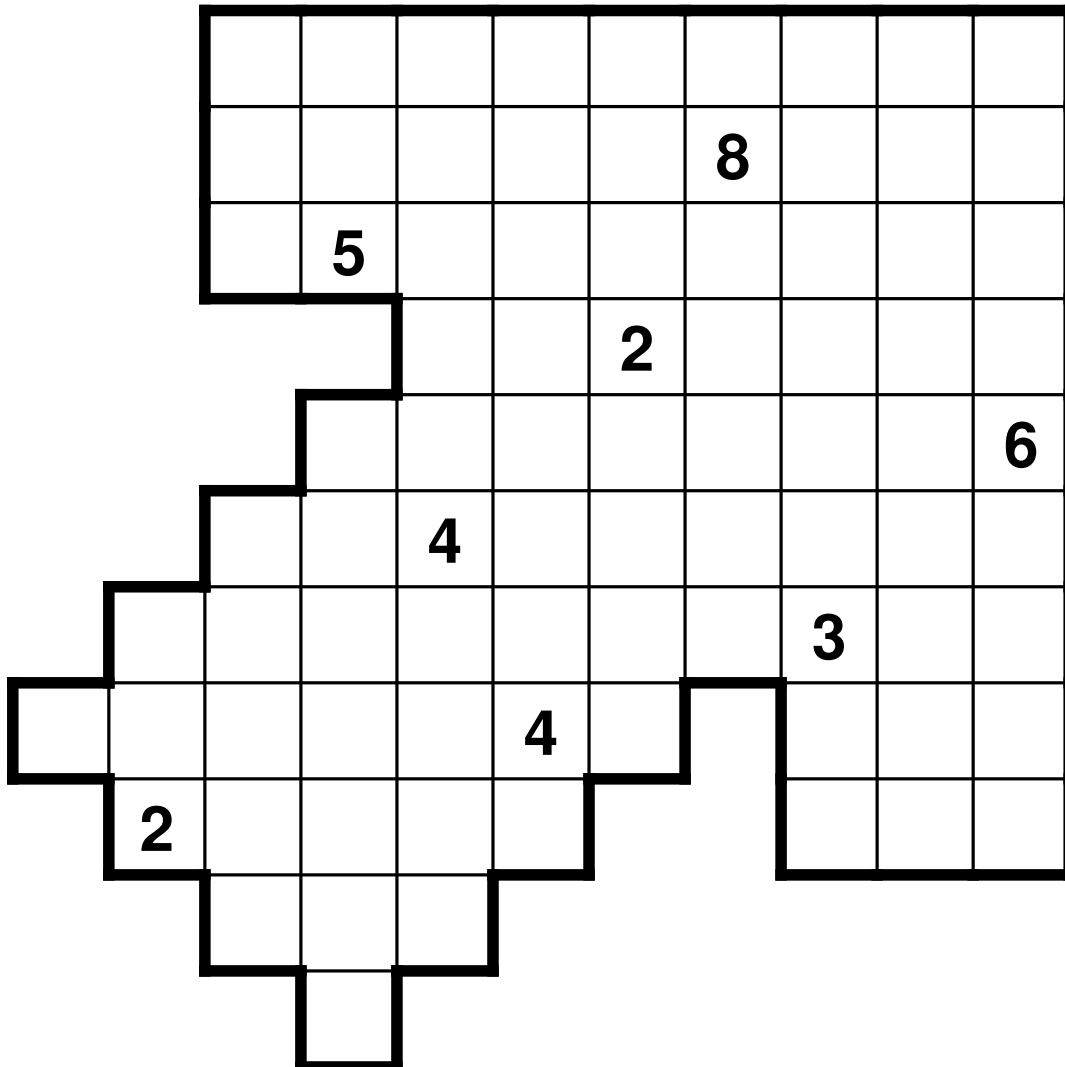
Draw a loop along the dotted lines. The arrows indicate in which direction (horizontally and vertically) the closest loop segment appears. If multiple segments have equal distance, all arrows in those directions are indicated.



1.4 Nurikabe

15 Punkte

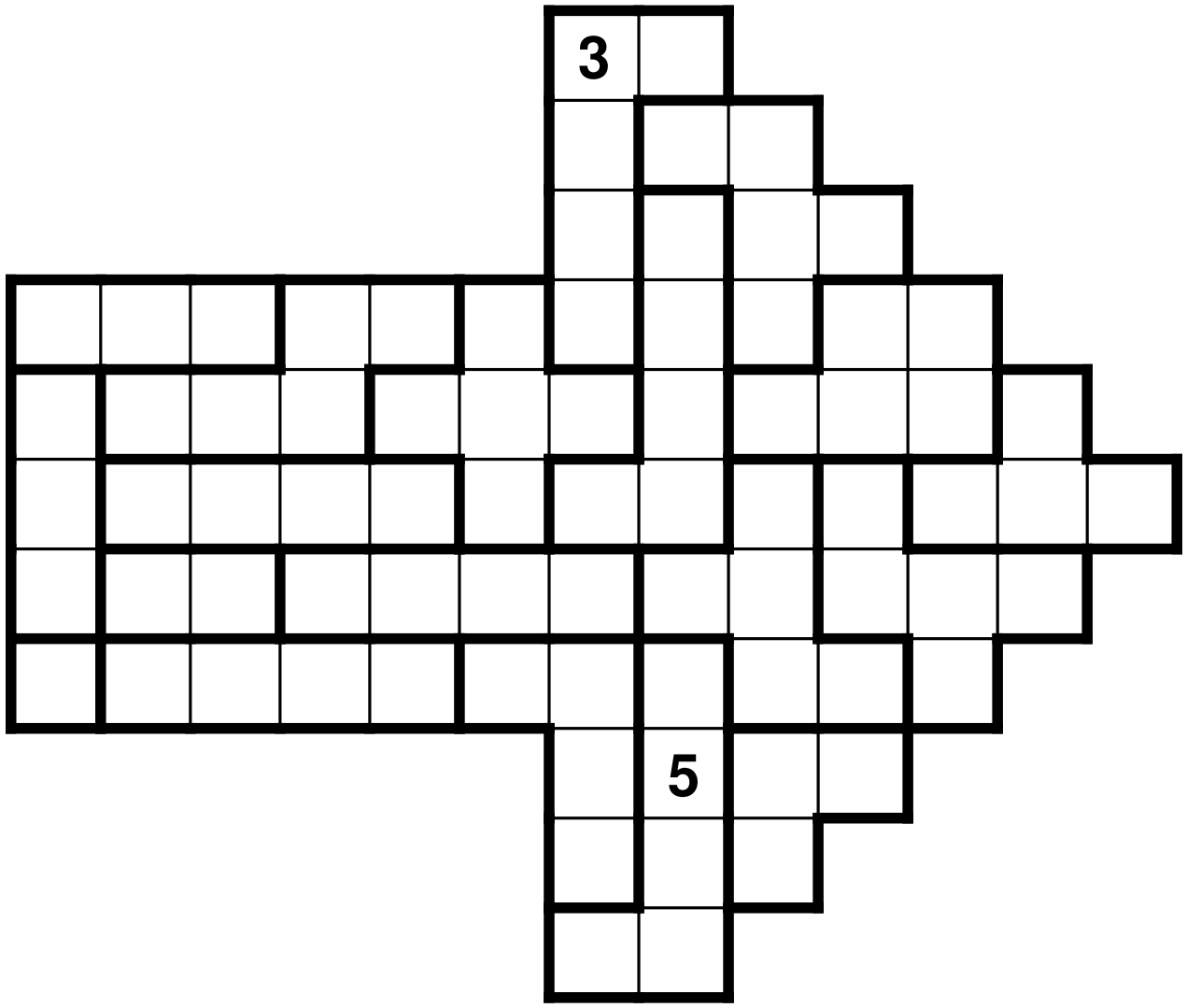
Blacken some empty cells such that all black cells are connected but no 2x2 area is blackened completely. Every white region contains exactly one of the given numbers. The number represents the size of the region.



1.5 Variable Capsules

25 Punkte

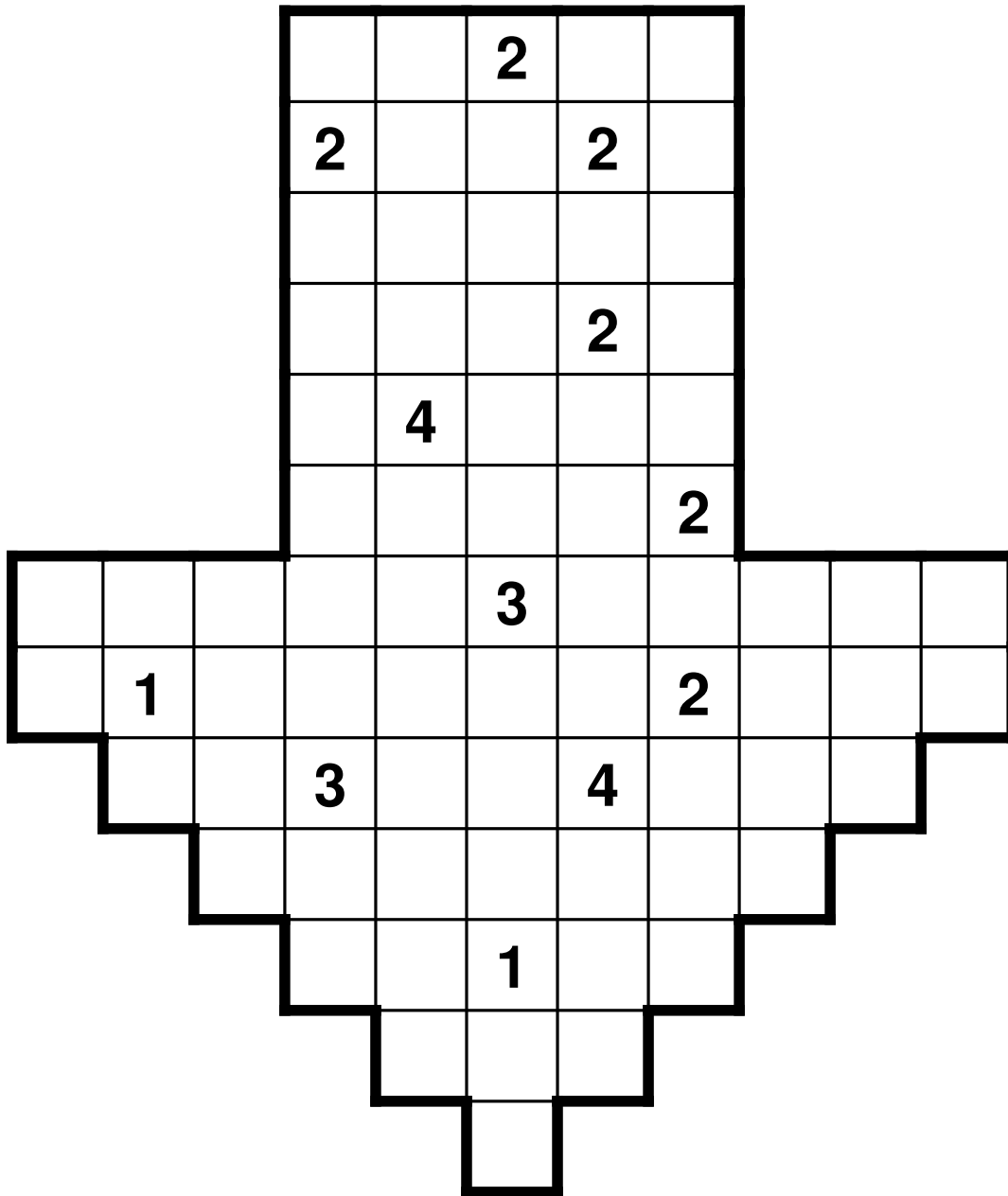
Write the numbers from 1 to the respective region's size into the diagram, such that every region contains every number exactly once and equal numbers do not touch, not even diagonally.



1.7 Geradeweg

20 Punkte

Draw a single loop that travels horizontally and vertically between cell centers and that passes through each clue. The length of every straight segment that meets a clue is given by that clue.



1.8 Pentomino Dissection

10 Punkte

Divide the grid along the dotted lines into the given pentominoes. Pentominoes may be mirrored and rotated.

