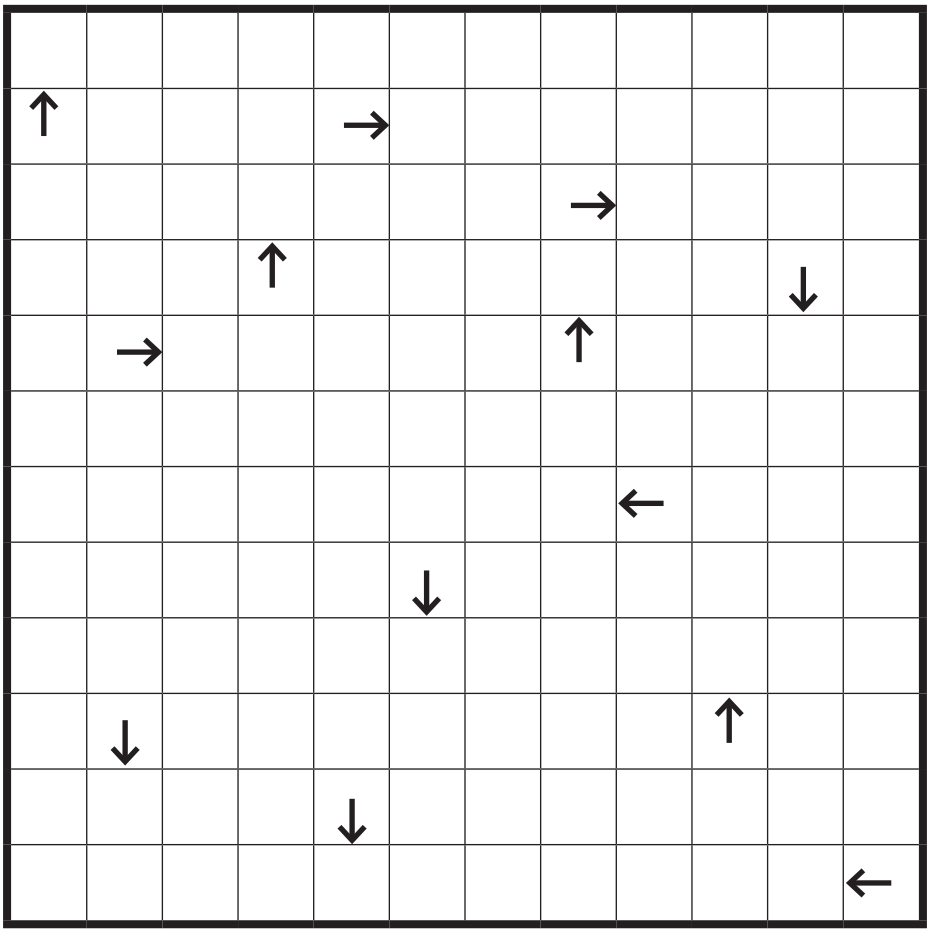
PENTOPIA

Place a number of different pentominoes in the grid so that they do not touch each other, not even diagonally. Arrows in the grid indicate the directions of the closest pentomino(es) when looking from that cell.
Cells with arrows remain empty.