

Advanced Hidoku and Masyu – Division C Round 2 2023

Variants Instruction Booklet and Examples

You will time all of your puzzles separately, like Division D. There will be a selection of standard versions of each type, and one of each of the following variants.

Masyu

Toroidal Masyu - standard Masyu rules, however, the top row of the grid is considered adjacent to the bottom row of the grid, and the leftmost column of the grid is considered adjacent to the rightmost column of the grid.

Linked Masyu - standard Masyu rules. In addition, corresponding cells in the other grid may not both be identical (they may both turn, but not in the same way, and they may both be straight, but not in the same way)

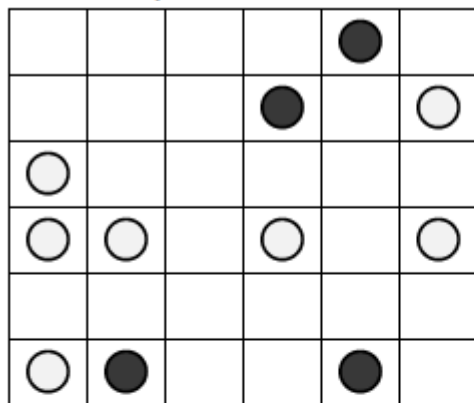
Negative Constraint Masyu - standard Masyu rules. In addition, there is a negative constraint. All possible cells that could be marked with a white or black circle are marked.

Eggs Masyu - standard Masyu rules. In addition, there must be exactly five “nests” of adjacent empty cells unused by the loop. There must be one nest of each size from the set {1, 2, 3, 4, 5}.

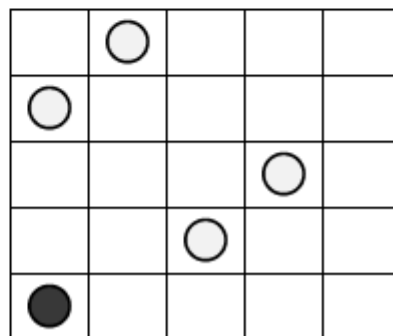
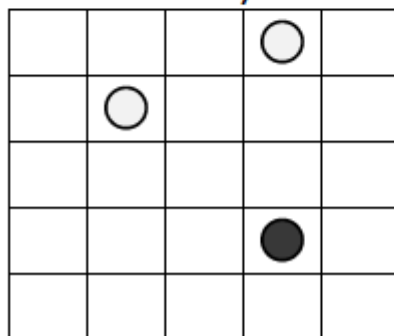
Syuma - make a single loop with lines passing through the centres of cells, horizontally or vertically. The loop never crosses itself, branches off, or goes through the same cell twice. Lines must pass through all cells with black and white circles. Lines passing through white circles must pass straight through its cell, and make a right-angled turn in **both** of the cells next to the white circle. Lines passing through black circles must make a right-angled turn in its cell, then it must go straight through the next cell (till the middle of the second cell) on **at least one** side.

Bicolour Masyu - standard Masyu rules. In addition, some circles are coloured both black and white but behave as either a white or a black circle. It is up to the solver to establish which colour each circle behaves as.

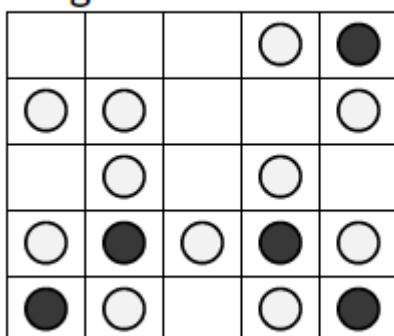
Toroidal Masyu



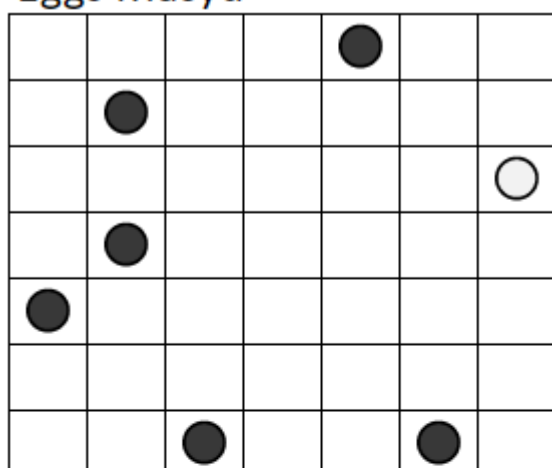
Linked Masyu



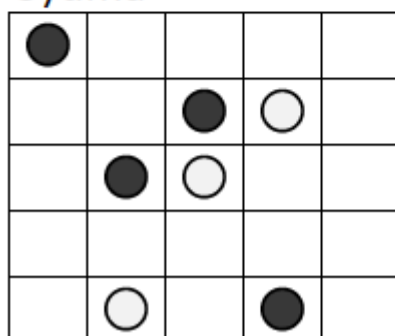
Negative Constraint Masyu



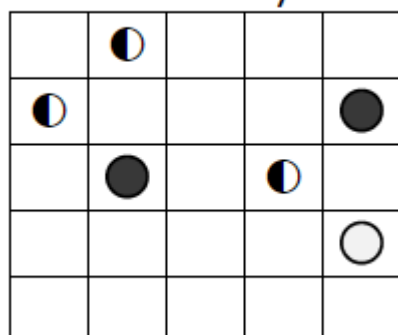
Eggs Masyu



Syuma

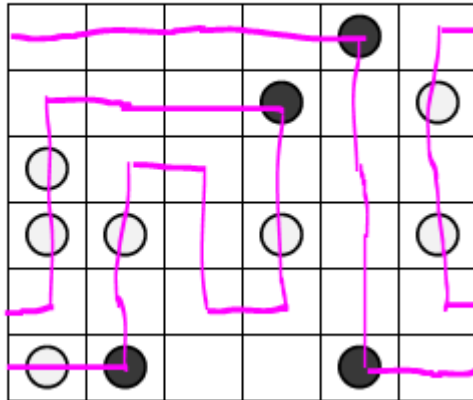


Bicolour Masyu

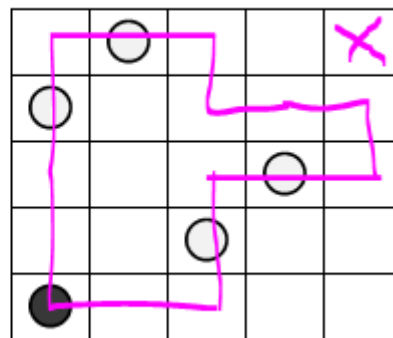
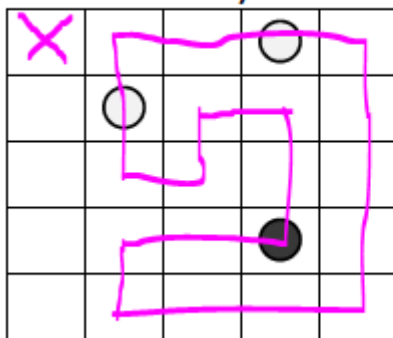


Solutions

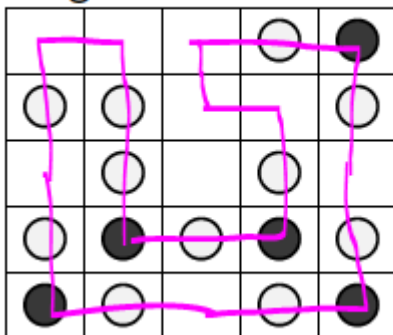
Toroidal Masyu



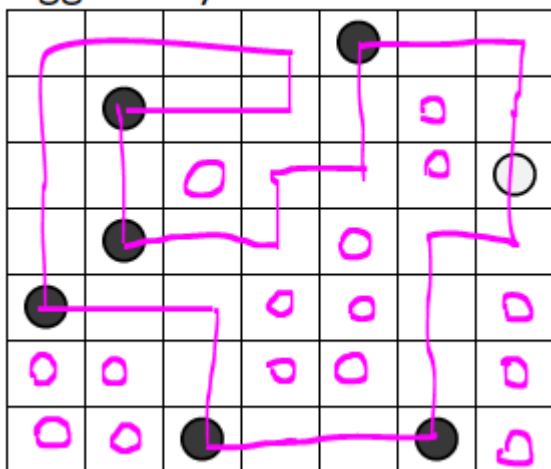
Linked Masyu



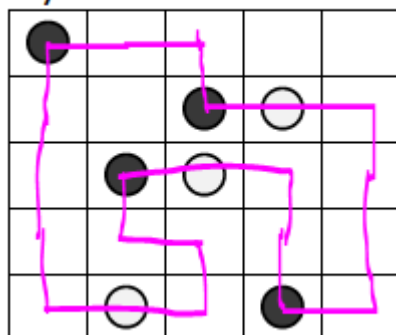
Negative Constraint Masyu



Eggs Masyu



Syuma



Bicolour Masyu

