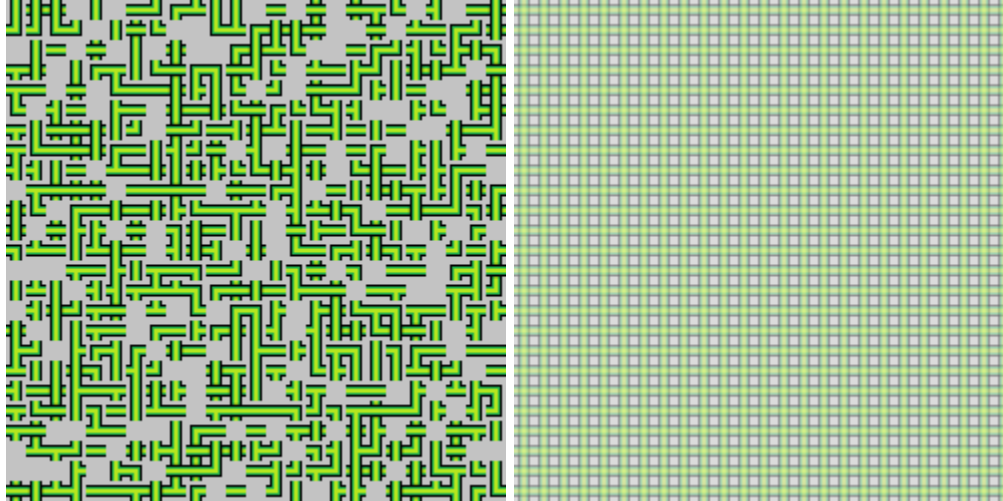
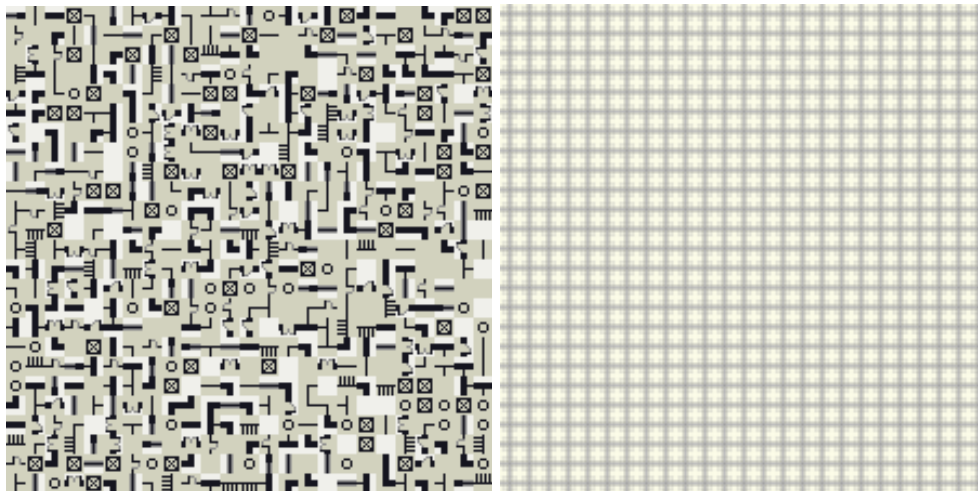


Part 1,

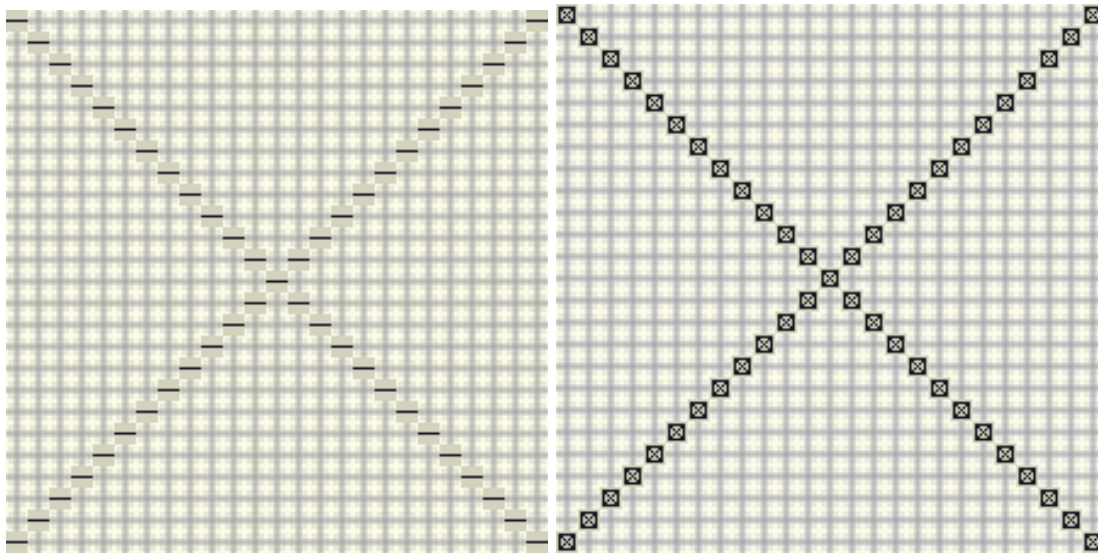
Results on Knots



Results on FloorPlan



Part 2,



When pre-collapsing certain cells, the generation of the pattern is guided towards the creation of possible patterns.

A first approach was to collapse only the center cell. When this succeeded, the goal became to try to make a cross with the diagonals of the image. On the diagonals, only tiles[0] is admitted. The values in the other cells (where row index \neq column index) are set to 0.

The result can be seen in the first image above.

Other results can be obtained by switching the tile that is admitted in the pre-collapsed cells, or by deciding on the creation of another pattern.

Part 3,

Focusing the propagation on adjacent cells should make the WFC algorithm's behavior more predictable and consistent, potentially improving performance and allowing for a finer control over the patterns that are generated.

Not much change seems to appear in our generated images, though this is perhaps due to errors in our code...

The image below shows the result after focusing the propagation on adjacent cells.

