12 Days of ChrisMATH — Day 9

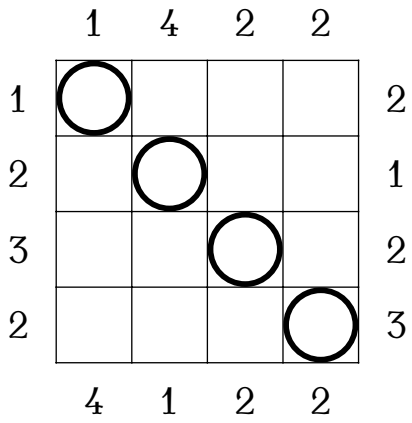
Skyscrapers

The objective is to place skyscrapers in all cells on the grid according to the rules:

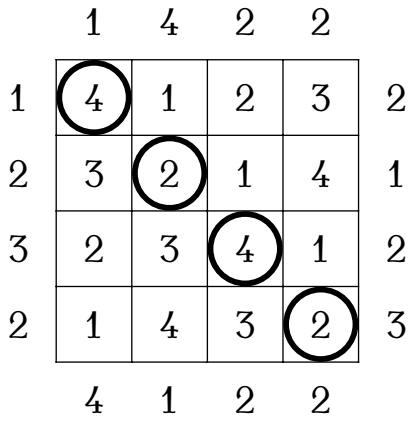
- The height of the skyscrapers is from 1 to the size of the grid i.e. 1 to 4 for a 4×4 puzzle.
- You cannot have two skyscrapers with the same height on the same row or column.
- The numbers on the sides of the grid indicate how many skyscrapers would you see if you look in the direction of the arrow. You can only see taller skyscrapers behind other skyscrapers.

Place numbers in each cell to indicate the height of the skyscrapers.

For this challenge, submit your answer as a single number formed from the digits in the diagonal from top-left to bottom-right. For example, given this puzzle:



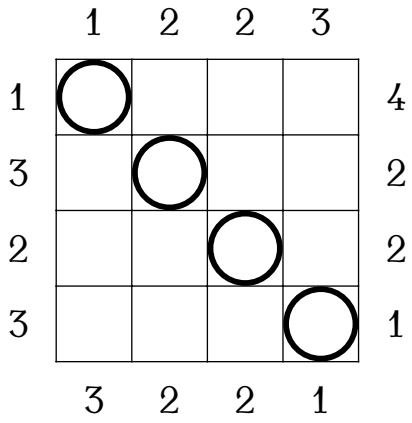
The solved puzzle would look like this:



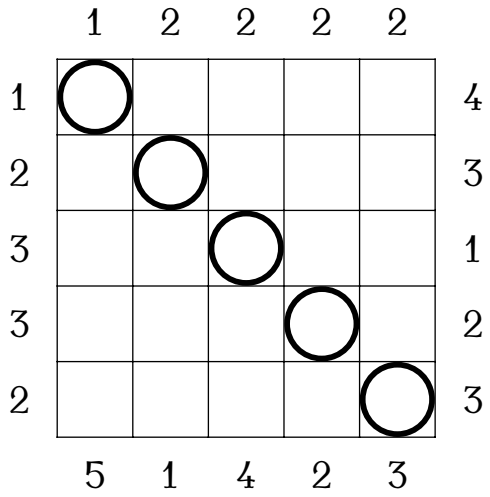
You would submit your answer as 4242.

Here are the puzzles!

Level 1



Level 2



Level 3

There's no typo - in this puzzle, you only get *some* of the information from the edges. There is still a unique solution that can be found using logic.