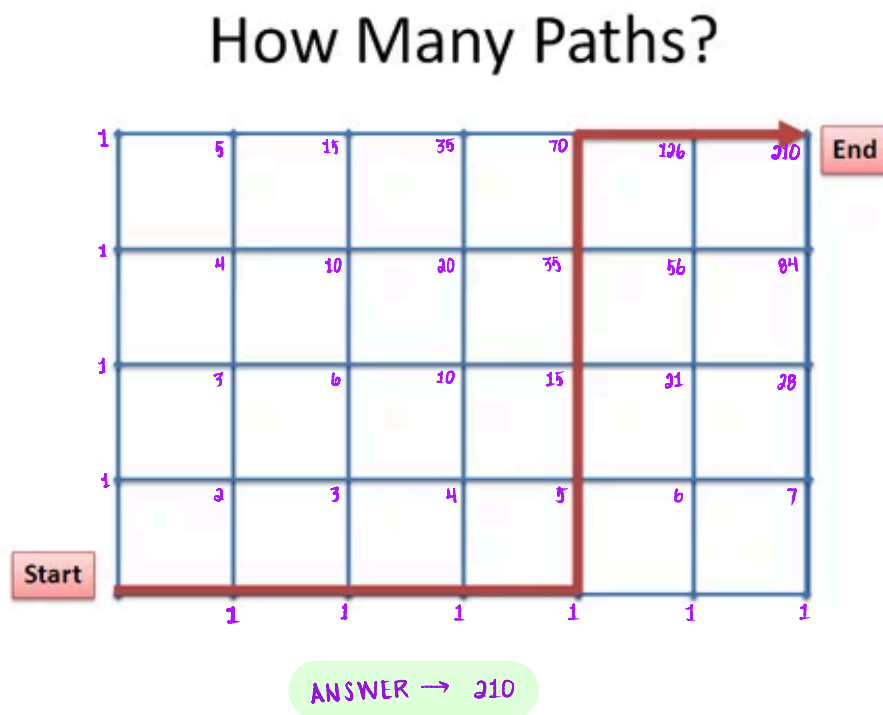Your first assignment is not directly related to netcode, however, it will only take a short moment to engage and the lesson that this puzzle will teach you can prevent a lot of pain and time waste later on in this course.

Your first lab assignment is a logic puzzle, a pathways counting problem.

The following grid represents a series of streets, movement is limited to the grid lines. The starting location is the bottom left and the destination is the top right.

You are being challenged to count the total number of shortest pathways that exist between the start and the end. A pathway that goes from start to finish and never moves left or down will be one of the shortest pathways (if a pathway moves to the left or down, it is not a shortest path).

Question: How many shortest pathways are there?

How Many Paths?

ANSWER → 210

Journey Well