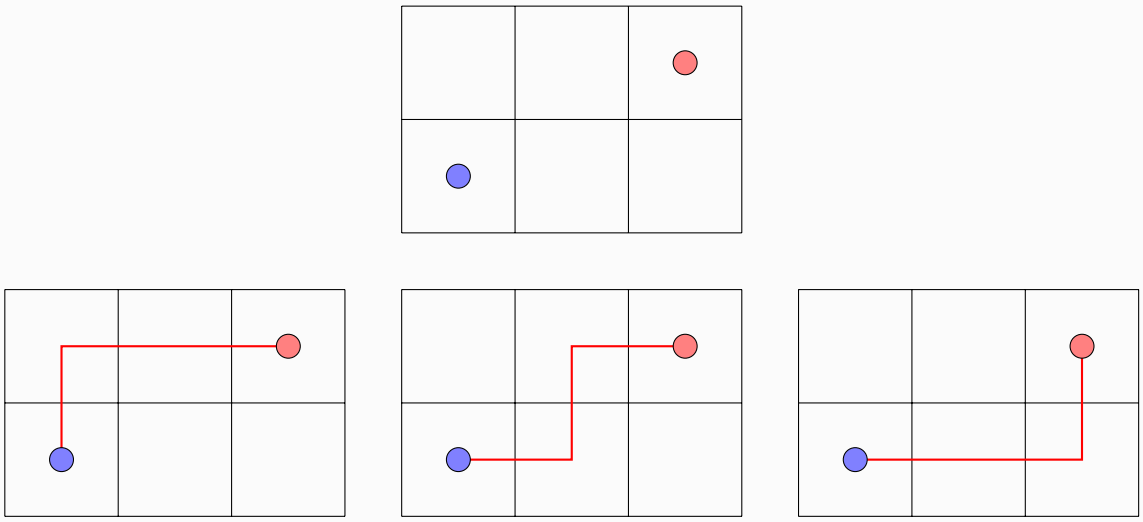
Activity: The Grid Path Problem

Breaking a complex problem into smaller, simpler parts can provide us with a better understanding. This is the basics of **computational thinking**.

Example 1: Your task is to jump across the 3×2 board. Start at the bottom left and end at the top right. You can only move up and to the right. How many such paths exist? Draw all possibilities.



There are 3 such paths. Each path involves 3 jumps.

Problem 1: Your task is to jump across the 4×5 board. Start at the bottom left and end at the top right. You can only move up and to the right. How many such paths exist? Draw all possibilities.