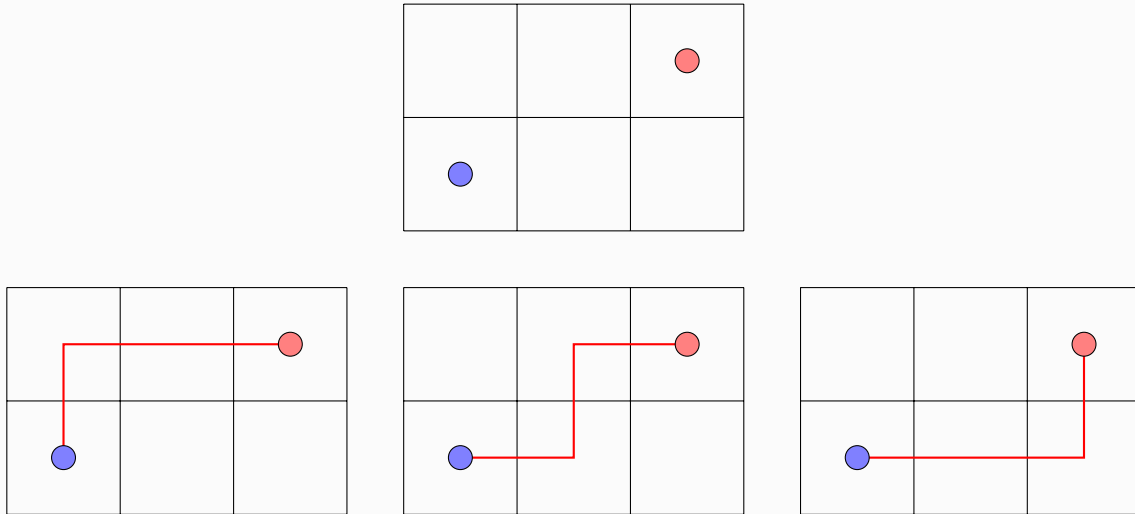


## Activity: The Grid Path Problem

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  $3 \times 2$  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  $4 \times 5$  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.

