Paths Through Squares

Problem

How many paths are there starting in the upper left square and ending in the bottom right square, if you are only allowed to move right or down?
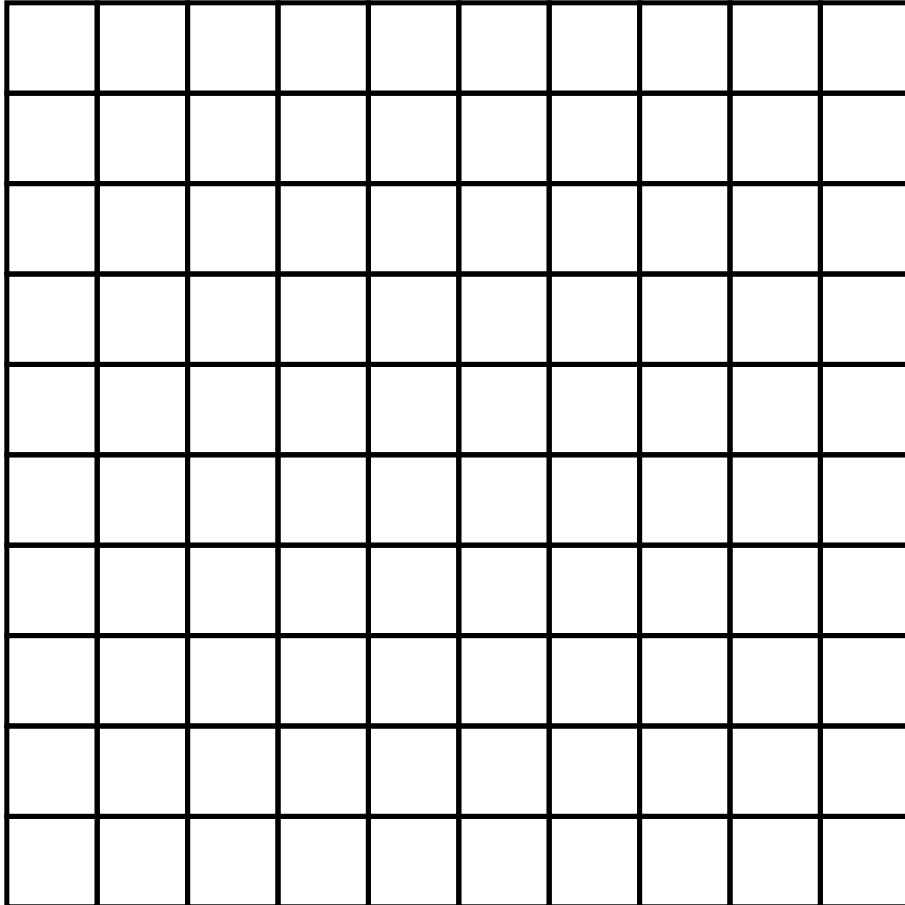
Figure 1: Paths