

Problem 15: Lattice Paths

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1 Description

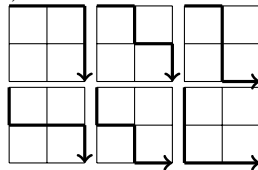
Let $R(N)$ denote the amount of routes that can be taken in a $N \times N$ grid from start to finish if you can only move in the right and downward direction.

2 Task

Find $R(20)$.

3 Examples

$R(2) = 6$. This is shown in the graphic by:



4 Observations