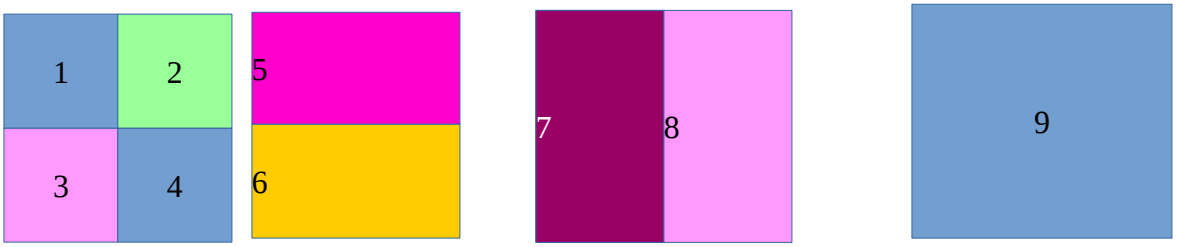
Counting rectangles within a grid

Assuming a squared grid of N points, N>=2 (meaning an N X N grid) we define “enclosed rectangles” to be the count of all possible rectangles that can be generated with them.

Examples

For N= 2 we have exactly 1 “enclosed rectangles”:

For N = 3 we have 9 “enclosed rectangles”:



Question

How many “enclosed rectangles” we have when N = 10,000 ?