

Triangles 2

[English](#)

[Vietnamese](#)

Triangle 2

(This is a bonus problem. You will get a maximum score of 30 from this one)

This problem description is the same as the problem [VTRI](#) except that in all test cases $200 \leq X, Y \leq 250$.

The result will fit in a 64-bit integer.

Example

Input

200 200 1

Output

1488042840