# Triangles

#### <u>English</u>

#### <u>Vietnamese</u>

In the plane, given a rectangular grid with sides parallel to the axes of coordinates. The coordinates of the bottom-left corner is (0, 0) and the top-right corner is (X, Y).

Your task is to count the number of triangles with integer coordinates lying inside the given grid and having areas equal to an integer S.

### Input

A single line consisting of three integers: X, Y, S ( $1 \le X, Y \le 30, 1 \le S \le X^*Y/2$ ).

# Output

A single integer: the number of triangles with integer coordinates lying inside the rectanglular grid and having areas equal to S.

## Constraint

There are 50% of the test cases, corresponding to 50% of the grades, in which  $1 \le X, Y \le 10$ .

# Example

**Input** 2 1 1

#### Output 6