## Triangles

## English

## Vietnamese

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: $X, Y, S\left(1 \leq X, Y \leq 30,1 \leq S \leq X^{*} Y / 2\right)$.

## 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 $1 \leq X, Y \leq 10$.

## Example

Input
211

## Output

6

