

Description

You are given a system of equations:

$$x^2 + y = n$$

$$y^2 + x = m$$

You have to count, how many there are pairs of integers (x, y) ($0 \leq x, y$) which satisfy the system.

Input

Input Format :

A single line contains two integers n, m

Constraints :

$$1 \leq n, m \leq 1000$$

Output

On a single line print the count

Sample Input 1

9 3

Sample Output 1

1

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Information

ID 3

Time Limit 5000MS

Memory Limit 1024MB

IO Mode Standard IO

Created By abdul

Level Low

Score 100

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 AC  WA