

Counting triangles

Consider a 2D integer grid with lower left corner at (0, 0) and upper right corner at (X, Y). We are interested in isosceles right triangles which all the 3 corners at the grid node (integer coordinates). Your task is to count the number of those triangles.

Input

The input begins with C – number of test cases.
Each test case consists of X, Y.

Output

For each test case, output the result in a line.

Limits

$C \leq 20$
 $0 \leq X, Y \leq 1000$

Sample input

```
2
0 3
1 1
```

Sample output

```
0
4
```