

# Counting triangles 2

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 with all the 3 corners at the grid nodes (integer coordinates).

## Input

The input begins with the number  $T$  of test cases in a single line. In each of the next  $T$  lines there are two integers  $X, Y$ .

## Output

For each test case, on a single line, print the number of such triangles.

## Example

**Input:**

```
2
0 3
1 1
```

**Output:**

```
0
4
```

## Constraints

```
1 <= T <= 10^4
0 <= X <= 10^4
0 <= Y <= 10^4
```

## Information

Your challenge is to give in time the answer with the shortest code.

This problem is [CT](#) with more challenging constraints. Source limit is 512B

My poorly golfed Py3 code scored 158B in 1.5s (for two input files).