10/05/2023, 19:55 Problem - G - Codeforces





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# G. Floor and Mod

time limit per test: 2 seconds memory limit per test: 256 megabytes input: standard input output: standard output

A pair of positive integers (a,b) is called **special** if  $\lfloor \frac{a}{b} \rfloor = a \mod b$ . Here,  $\lfloor \frac{a}{b} \rfloor$  is the result of the integer division between a and b, while  $a \mod b$  is its remainder.

You are given two integers x and y. Find the number of special pairs (a, b) such that  $1 \le a \le x$  and  $1 \le b \le y$ .

### Input

The first line contains a single integer t ( $1 \le t \le 100$ ) — the number of test cases.

The only line of the description of each test case contains two integers x, y (  $1 \le x, y \le 10^9$ ).

### Output

For each test case print the answer on a single line.

## Example



# Note

In the first test case, the only special pair is (3, 2).

In the second test case, there are no special pairs.

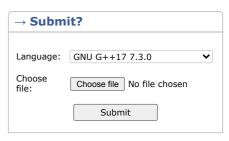
In the third test case, there are two special pairs: (3, 2) and (4, 3).

# Topic Stream Mashup: Number Theory Finished Practice

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