

# Anubis wants to know how many

Anubis is always playing with numbers. Recently he wanted to know how many numbers there are in the range  $[1, N]$  that are even and multiples of  $p$ . What about helping him? Write a program that automates this task.

## Input

The first line of input contains  $T$  ( $1 \leq T \leq 100$ ), the number of test cases.  $T$  lines follow. Each test case is fully contained in a single line. A test case is represented by two space-separated integers  $N$  ( $1 \leq N \leq 1024$ ) and  $p$  ( $1 \leq p \leq N$ ).

## Output

For each test case, output its answer in a single line.

## Example

**Input:**

1

10 5

**Output:**

1