

# Digit Frequency

For a given number  $n$ , find the number of times the digit  $k$  occurs in the number.

## Input:

The first line contains the number of test cases,  $t$ .  $1 \leq t \leq 10000$ . The second line contains two numbers  $n$  and  $k$ ,  $0 \leq n \leq 10^{18}$  and  $0 \leq k < 10$ .

## Output:

Output the answer as an integer in a new line for each test case.

## Example:

Input:

1

122342 2

Output:

3

## Notes:

In the above example  $n=122342$  and  $k=2$ . 2 occurs 3 times in the given number. Hence, the output is 3.