DIGIT COUNTING

Problem statement:

Your task is simple. You are given a decimal number and you have to tell the number of occurrences of a particular digit **d** in a contiguous part of the number.

Input:

First line contains an integer **t**, denoting the number of test cases. **t** test cases follow. The first line of each test case consists of the number. The next line contains an integer **q**, denoting the number of queries. **q** lines follow. Each of them contains three integers **x**,**y** and **d** separated by single space.

Output:

For each testcase output the number of **occurrences of the digit d in the part starting from the x-th digit upto y-th digit (1-based indexing)**. Print each answer in a new line. (See the sample testcase for clarity).

Constraints:

1 <= t <= 10
1<= number of digits in the number <=10^5
1<= q <=100000

Time limit: 1 s

Sample:

Input:

1
1454752
2
1 2 4
1 7 5

Output:

1
2