

Strchr in BF

Wonder if string functions are possible in brainf**k? Well, as [Rivu](#) says, "Impossible is nothing!!!".

Given a character (lower or upper case letter) and a character string, your task is to find the first occurrence of the given character in this string and print its index. For a string of length **N**, the index numbering starts from **1** to **N**. Simple, Isn't it? Only 256 bytes allowed. Still simple? Well, try and minimize it.

Input

First line of the input contains **T** , which comprises of **2** digits, representing the number of test cases. The next **T** lines of the input contain a test case each.

Each of these lines start with a character, say **C**, followed by a **space** and then a string of characters, say **STR**. Each line of the input ends with a **newline** character.

Constraints:

$0 < T < 10$

$0 < \text{length of STR} < 10$

Output

For every test case, output the **INDEX** of the first occurrence of **C** in **STR**. If the character **C** is **NOT** found in **STR**, output **0**.

Example

Input:

03

F BrianFuck

c strcmp

m mama

Output:

6

4

1

SCORE is your source length.

NOTE: This question does **NOT** use exact judge. So, you can print **any** space character between the test cases.