

# Subsequence

A subsequence is a sequence that can be derived from another sequence by deleting some elements without changing the order of the remaining elements. For example “abd” is a subsequence of “abcdef”. - Wikipedia.

Your task in this problem is to decide if a given string is a subsequence of another string or not?

Easy?

## Input

The first line of input will be the number of test cases. Each test case will start with a line contains a string S, S will have letters from 'a' to 'z' and the length of S  $\leq$  100,000. This line will be followed by a number Q which is the number of queries you have to answer for the given string S,  $1 \leq Q \leq 1000$ . Each of the next Q lines will contain a string T, T will have letter from 'a' to 'z' and the length of T  $\leq$  200. For each T you have to decide if T is a subsequence of S or not.

## Output

For each test case print Q + 1 lines, The first line will have “Case C:” without quotes where C is the case number starting with 1. The next Q lines will have either “YES” or “NO” if the corresponding T is a subsequence of S or not respectively.

## Example

### Input:

```
1
abcdef
3
abd
adb
af
```

### Output:

```
Case 1:
YES
NO
YES
```

### Editors note:

Strings in the input can be empty. Read data carefully to avoid issues. There should be no extra whitespaces, of course except '\n'.