String Replacement

Description

Let us implement a word replacement operation: s/old/new to replace all occurrences of old words with new words.

For example, given a string, `This book is a good book.`

If the old string is `book` and the new string is `tiger`, the expression format is `s/book/tiger`, and the result string is `This tiger is a good tiger.`

The problem has 25 testcases, each accounting for 4%.

Input

- The first line is a string of length `n` that includes space( ), comma(,), period(.), lowercase letters(a-z) and uppercase letters(A-Z).
- The following `m` lines are operations.
- Each operation is the replacement expression format `s/old/new`. The length of `old` string is `s` and the length of `new` string is `k`.
- The `old` and `new` string only includeslowercase letters(a-z) and uppercase letters(A-Z).

Constraints:

- 5 <= `n` <= 50
- 1 <= `m` <= 5
- 1 <= `s` <= 5
- 1 <= `k` <= 5

Output

Please output the result string after the givenreplacementoperations.

Sample Input 1

```
This book is a good book.
s/book/tiger
s/good/bad
```

Sample Output 1

```
This tiger is a bad tiger.
```


Information

ID	final_10
Time Limit	10000MS
Memory Limit	256MB
IO Mode	Standard IO
Created By	aster
Level	Low
Score	100
Tags	Show

Statistic Details