# J. Forbidden Word

### **Time limit:** 1.0s **Memory limit:** 256M

Censoring bad words is an important feature in chat applications to maintain a respectful and clean community. Your task is to implement a simple version of this feature.

Given a string S and N forbidden words, replace every occurrence of a forbidden word in S with asterisks ("\*"), keeping the original word length. The replacement should be **case-insensitive**, meaning variations like "ok", "OK", "oK", and "Ok" should all be replaced with "\*\*".

# Input

- The first line contains a string S ( $1 \le |S| \le 2 * 10^4$ ), which may contain uppercase and lowercase English letters and spaces.
- The second line contains an integer N ( $1 \le N \le 10$ ), representing the number of forbidden words.
- The third line contains N forbidden words, separated by spaces. Each forbidden word consists only of lowercase English letters and has a length between 1 and 20.

### **Output**

• Print the modified string S after replacing all occurrences of forbidden words with asterisks ("\*"), preserving their original length. The replacement must be **case-insensitive**.

# **Sample**

### **Sample Input 1**

```
nice to meet you
2
NICE mee
```

#### Sample Output 1

```
**** to meet you
```