



Autocomplete feature



locked

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Problem

Submissions

Leaderboard

Discussions

Given a dictionary D of n words and given q queries of search key words, write a program to print all the suggestions for each search key word k , where a suggestion is a word in D whose prefix matches with k .

Input Format

The first line consists of space separated two positive integers n and q .

In following n lines, each line consists of a dictionary word.

In following q lines, each line consists of search key word k .

Constraints

- $1 \leq n \leq 10000$
- $1 \leq q \leq 100$
- $1 \leq \text{length of the string } k \leq 26$
- Note: use tries data structure

Output Format

Print each suggestion in a different line by following dictionary order.

The output for each search query is seperated with a blank line.

Sample Input 0

```
12 3
an
a
ant
apple
average
ancle
angle
act
arm
anticipate
above
avatar
a
ac
bat
```

Sample Output 0

```
a
above
act
an
ancle
angle
ant
anticipate
```

apple
arm
avatar
average

act

not found

f t in

Submissions: 28


Max Score: 34



Difficulty: Medium

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Current Buffer (saved locally, editable)  

C++  

```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

 [Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code