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DefaultDict Tutorial ☆

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The defaultdict tool is a container in the collections class of Python. It's similar to the usual dictionary (dict) container, but the only difference is that a defaultdict will have a default value if that key has not been set yet. If you didn't use a defaultdict you'd have to check to see if that key exists, and if it doesn't, set it to what you want.

For example:

from collections import defaultdict d = defaultdict(list) d['python'].append("awesome") d['something-else'].append("not relevant") d['python'].append("language") for i in d.items(): print i

This prints:

('python', ['awesome', 'language']) ('something-else', ['not relevant'])

In this challenge, you will be given 2 integers, n and m. There are n words, which might repeat, in word group A. There are m words belonging to word group B. For each m words, check whether the word has appeared in group $m{A}$ or not. Print the indices of each occurrence of $m{m}$ in group $m{A}$. If it does not appear, print -1.

Constraints

 $1 \le n \le 10000$

 $1 \le m \le 100$

 $1 \leq length \ of \ each \ word \ in \ the \ input \leq 100$

Input Format

The first line contains integers, n and m separated by a space.

The next n lines contains the words belonging to group A.

The next m lines contains the words belonging to group B.

file:///D:/manikanta/hackerrank%20for%20python/16.html

Output Format

Author	sandyeep
Difficulty	Easy
Max Score	20
Submitted By	14551

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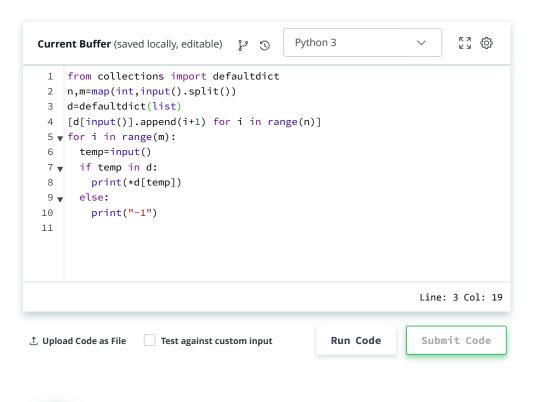


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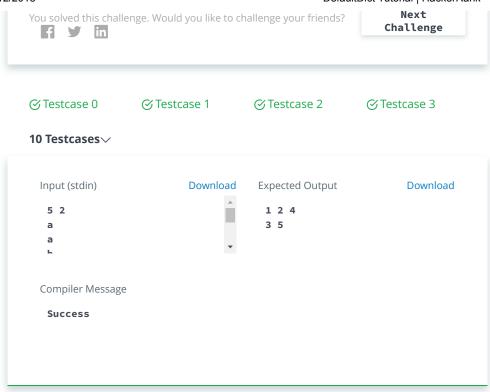


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Output m lines.
The i^{th} line should contain the 1-indexed positions of the occurrences of the i^{th} word separated by
spaces.
Sample Input
   5 2
   а
   b
   а
   b
Sample Output
   1 2 4
   3 5
Explanation
'a' appeared {f 3} times in positions {f 1}, {f 2} and {f 4}.
'b' appeared {f 2} times in positions {f 3} and {f 5}.
In the sample problem, if 'c' also appeared in word group B, you would print -1.
```





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