

Match specific pattern

Submissions: 4669 (/problem_submissions.php?pid=700321) Accuracy: 53.46% Difficulty: Easy (<https://practice.geeksforgeeks.org/Easy/1/0/>) Marks: 2

Associated Course(s): [Placement 100 \(/courses/placement-100-2019/\)](/courses/placement-100-2019/) [C++ STL \(/courses/cpp-stl/\)](/courses/cpp-stl/) [More](#)

Show Topic Tags

Company Tags

[Amazon \(/company/Amazon/\)](/company/Amazon/)

[MakeMyTrip \(/company/MakeMyTrip/\)](/company/MakeMyTrip/)

[Microsoft \(/company/Microsoft/\)](/company/Microsoft/)

Problems

Given a dictionary of words and a pattern. Every character in the pattern is uniquely mapped to a character in the dictionary. The task is to complete a function **findMatchedWords(dict,pattern)** that returns a vector of strings matching with given pattern. The function takes two argument the first argument is an array of strings **dict** which denote the dictionary and the second argument is the **pattern** to match.

Input:

The first line of input contains an integer **T** denoting the number of test cases. Each testcase contains 3 lines. The first line contains an integer **N** denoting the number of strings in the dictionary, second line N space separated strings denoting the strings of the dictionary. The third line contains pattern.

Output:

The output for each test case will be the space separated strings that matches the given pattern in lexicographical order.

User Task:

Since this is a functional problem you don't have to worry about input, you just have to complete the function **findMatchedWords()**

Constraints:

1 <= T <= 100

1 <= N <= 10

Input

1

4

abb abc xyz xyy

foo

Output

abb xyy

Explanation

Testcase 1: In the above test case xyy and abb have same character at index 1 and 2 like the pattern.

**** For More Input/Output Examples Use 'Expected Output' option ****

Contributor: Harshit Sidhwa

Author: Shubham Joshi 1 ([https://auth.geeksforgeeks.org/user/Shubham Joshi 1/practice/](https://auth.geeksforgeeks.org/user/Shubham%20Joshi%201/practice/))

(/problem_submissions.php?pid=700321) (/problem_submissions.php?pid=700321&isSolved=ALL&lang=ALL&user=Self)

[My Submissions](#)

[All Submissions](#)

[Editorial \(/editorial.php?pid=700321\)](/editorial.php?pid=700321)

Monokai



C++ (g++ 5.4)

