WordPlay

locked

by bachkarakash

Problem Submissions Leaderboard Discussions

Akash loves to play with the names of his friends. He always makes fun of his friends. He simply does one thing, he rearranges some letters from the name of a friend. While doing this he doesn't know that he's implementing something interesting. Everytime he plays with a friend's name the appearing word is lexicographically greater than the actual name. Now Akash has a friend's name ***w***, help him to rearrange the letters of ***w*** to construct another word ***w2*** in such a way that ***w2*** is lexicographically greater than ***w*** so that he can make fun of his friend. If you are are getting more than one words then choose lexicographically smallest one amongst them.

Input Format

The first line of input contains *t*, the number of test cases. Each of the next *t* lines contains ***w***.

Constraints

1<=t<=100000

1<=|w|<=100

w will contain only lower-case English letters and its length will not exceed ***100***.

Output Format

For each testcase, output a string lexicographically bigger than ***w*** in a separate line. In case of multiple possible answers, print the lexicographically smallest one, and if no answer exists, print ***no answer***.

Sample Input 0

```
5
akash
shubham
onkar
mihir
mahesh
```

Sample Output 0

```
akhas
shubhma
onkra
mihri
mahhes
```

Explanation 0

Case 1:-

akhas is lexicographically greater than ***akash***.

Case 2:-

shubhma is lexicographically greater than ***shubham***.

Case 3:-

onkra is lexicographically greater than ***onkar***.

Case 4:-

mihri is lexicographically greater than ***mihir***.

Case 5:-

mahhes is lexicographically greater than ***mahesh***.

Submissions: 6
Max Score: 100
Difficulty: Hard

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Current Buffer (saved locally, editable) C++

```
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}

```

Line: 1 Col: 1

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