

[Practice](#)[Compete](#)[Jobs](#)[Leaderboard](#)

The email address you signed up with has not been verified. You won't be ranked on the leaderboard until you verify your account. ×

[Re-send the verification email](#)[All Competitions](#) > [CSI FE](#) > [WordPlay](#)

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 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

$$1 \leq t \leq 100000$$

$$1 \leq |w| \leq 100$$

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**.

[f](#) [t](#) [in](#)**Submissions:** 6**Max Score:** 100**Difficulty:** Hard**Rate This Challenge:**

☆☆☆☆☆

[More](#)

Need Help? Get advice from the [discussion forum](#) for this challenge. Or check out the [environments page](#)

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

Join us on IRC at [#hackerrank](#) on freenode for hugs or bugs.

[Contest Calendar](#) | [Interview Prep](#) | [Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Support](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Request a Feature](#)