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Bigger is Greater ☆

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Lexicographical order is often known as alphabetical order when dealing with strings. A string is *greater* than another string if it comes later in a lexicographically sorted list.

Given a word, create a new word by swapping some or all of its characters. This new word must meet two criteria:

- It must be greater than the original word
- It must be the smallest word that meets the first condition

Complete the function *biggerIsGreater* below to create and return the new string meeting the criteria. If it is not possible, return *no answer*.

Input Format

The first line of input contains T , the number of test cases.

Each of the next T lines contains w .

Constraints

- $1 \leq T \leq 10^5$
- $1 \leq |w| \leq 100$
- w will contain only letters in the range `ascii[a..z]`.

Output Format

For each test case, output the string meeting the criteria. If no answer exists, print `no answer`.

Sample Input 0

```
5
ab
bb
hefg
dhck
dkhc
```

Sample Output 0

```
ba
no answer
hegf
dhkc
hcdk
```

Explanation 0

- *Test case 1:*
`ba` is the only string which can be made by rearranging `ab`. It is greater.
- *Test case 2:*
It is not possible to rearrange `bb` and get a greater string.

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Difficulty	Medium
Max Score	35
Submitted By	39666

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- *Test case 3:*
hegf is the next string greater than hefg.
- *Test case 4:*
dhkc is the next string greater than dhkc.
- *Test case 5:*
hcdk is the next string greater than dkhc.

Current Buffer (saved locally, editable)   java 7  

```
1 ▼ import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 ▼ public class Solution {
8
9 ▼     static String biggerIsGreater(String w) {
10         // Complete this function
11     }
12
13 ▼     public static void main(String[] args) {
14         Scanner in = new Scanner(System.in);
15         int T = in.nextInt();
16 ▼         for(int a0 = 0; a0 < T; a0++){
17             String w = in.next();
18             String result = biggerIsGreater(w);
19             System.out.println(result);
20         }
21         in.close();
22     }
23 }
24
```

Line: 1 Col: 1

 Upload Code as File ☐ Test against custom input

Run Code

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