

Bubble oh Bubble

Jojo is a new teacher at a school. When returning from school, all students compete with each other to get out of the classroom door to go home. Resulting in many students being injured and crying. Jojo as a good teacher wants to make a rule, that is, whose name after being sorted is first in alphabetical order, can come out first, second can come out second, and so on. Jojo already has a list of student names that he has made himself, but they are not in order. As a good friend of Jojo, you will be happy to help Jojo to make him an ordered list

Format Input

The input consists of several lines in "testdata.in" file.

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

For each test case, the input consists of 2 lines:

The first line contains N, the number of student in the class, and the second line consists of N-words which is the names of students in lowercase characters.

Format Output

Output "Case #X:" for each question, where *X* is the question number, followed by N-words, the sorted list of the student name.

Constraints

 $1 \le T \le 10$ $1 \le N \le 1000$ $1 \le |Ai| \le 100$



Sample Input (testdata.in)	Sample Output (standard output)
3	Case #1: bibi jojo lili
3	Case #2: abece deeef gehai
jojo lili bibi	Case #3: jojo
3	
gehai abece deeef	
1	
jojo	

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