URI Online Judge | 1255

Letter Frequency

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Timelimit: 1

1255

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Strings

In this problem we are interested in the frequency of letters in a given line of text.

Specifically, we want to know the most frequently occurring letter(s) in the text, ignoring case (to be clear, "letters" refers precisely to the 26 letters of the alphabet).

Input

The input contains many test cases. The first line contains an integer **N** that indicates the number of test cases. Each test case consists of a single line of text. The line may contain non-letter characters, but is guaranteed to contain at least one letter and less than 200 characters in total.

Output

For each test case, output a line containing the most frequently occurring letter(s) from the text in lowercase (if there are ties, output all such letters in alphabetical order).

Sample Input	Sample Output
3 Computers account for only 5% of the country's commercial electricity consumption. Input frequency letters	co inptu e