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EXAM DATE 19 JAN 2020

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## **Powerful Alphabets**

Problem Code: SAT101

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Powers of Alphabets!!

Chef came out with an interesting problem on strings.

The power of a particular alphabet is defined as the difference between the indices of its last and first occurence.

Your task is to find out the alphabet with maximum power and its power. If there are multiple answers output the lexicographically smallest alphabet.

Input:

The first line will consist of a single integer 'T', Describing no of test cases. Each of the next T lines will contain a string 'S' consisting of only lowercase English alphabets.

Output:

For each test ouput the answer alphabet and power respectively on a new line.

Constraints:

1 <= T <= 1000

1 <= |S| <= 1000

Example Input:

3

aaa

bbaa

bab

Example Output:

a 2

a 1

b 2

Author: 3★ shubhendugoel (/users/shubhendugoel)

Date Added: 10-11-2019

Time Limit: 1 secs

Source Limit: 50000 Bytes

Languages: C, CPP14, JAVA, PYTH, PYTH 3.6, PYPY, CS2, PAS fpc, PAS

gpc, RUBY, PHP, GO, NODEJS, HASK, rust, SCALA, swift, D, PERL, FORT, WSPC, ADA, CAML, ICK, BF, ASM, CLPS, PRLG, ICON, SCM qobi, PIKE, ST, NICE, LUA, BASH, NEM, LISP sbcl, LISP clisp, SCM guile, JS, ERL, TCL, SQL, kotlin, PERL6, TEXT, SCM chicken, PYP3, CLOJ, R, COB, FS

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