
Uppercase and lowercase words**P65152_en**

Write a program that, given a sequence of words, each one with at most six characters, all letters, prints the first word that starts with an uppercase letter and the first word that starts with a lowercase letter.

Input

Input consists of a sequence of words, each one with at most six characters, all letters.

Output

Your program must print two lines, the first one with the first word that starts with an uppercase letter, and the second one with the first word that starts with a lowercase letter. If do not exist any or none of them, indicate it as it is shown in the examples.

Observations

- To solve this problem, maybe can be useful to you knowing that the uppercase letters have a lower code than the lowercase letters.
- If this problem was after the partial examination, you would have right to access to the strings as if they were vectors, and the solution would be trivial.

Sample input 1

THING TaKe wHo wHAT how ARE you

Sample output 1

THING
wHo

Sample input 2

How Many Cars Can A Carpark Park

Sample output 2

How
There is not any word that starts with a lowercase letter.

Sample input 3

hello

Sample output 3

There is not any word that starts with an uppercase letter.
hello

Problem information

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