

Problem A: Most Common Word

You will be given a piece of text. It will contain upper-case and lower-case letters of the English alphabet, spaces, newlines, periods, commas and question marks. A word is defined as a continuous sequence of letters. Words are case-insensitive: ABC and abc is the same word.

Your task is to find the word that occurs the largest number of times in the text. There will be only one word occurring the largest number of times. Output the word and the number of its occurrences.

Input

The program will be given the input text on standard input. It will only contain letters, spaces, newlines, periods, commas and question marks.

Output

Output a single line containing the most common word (in lower-case letters), a space, and the number of occurrences of the word.

Sample input

```
You there, hello, how are you?  
Hello, I am fine, thank you,how about you?
```

Sample output

```
you 4
```

Time limit: 5 seconds