
The most frequent letter

X16584_en

Given a text we want to know the most frequent lowercase letter. Write a program that given a text prints the most frequent lowercase letter and its frequency among all lowercase letters. You can use the method `islower()` to check if a character is a lowercase letter. For instance, all three expressions `' '.islower()`, `'9'.islower()` and `'A'.islower()` evaluate to `False`. On the contrary, `'a'.islower()` is `True`.

Input

Input is a text of characters. The input text has at least one lowercase letter.

Output

The most frequent lowercase letter and its frequency among all lowercase letters. If several lowercase letters achieve the maximum frequency, the program has to print the lower one under the usual string order.

Sample input 1

```
John Steinbeck:
*****The Grapes of Wrath*****
*****East of Eden*****
```

Sample output 1

```
e 5
```

Sample input 2

```
Xxyx9999yaaYYYY
```

Sample output 2

```
a 2
```

Problem information

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