

# Most Common

You are given a string  $S$ .  
The string contains only lowercase English alphabet characters.

Your task is to find the top three most common characters in the string  $S$ .

## Input Format

A single line of input containing the string  $S$ .

## Constraints

$$3 < len(S) < 10^4$$

## Output Format

Print the three most common characters along with their occurrence count each on a separate line.  
Sort output in descending order of occurrence count.  
If the occurrence count is the same, sort the characters in ascending order.

## Sample Input

aabbbccde

## Sample Output

b 3  
a 2  
c 2

## Explanation

Here,  $b$  occurs **3** times. It is printed first.  
Both  $a$  and  $c$  occur **2** times. So,  $a$  is printed in the second line and  $c$  in the third line because  $a$  comes before  $c$ .

**Note:** The string  $S$  has at least **3** distinct characters.