



STUDENT REPORT

DETAILS

Name

Zayed Mulla

Roll Number

3BR23ME026

EXPERIMENT

Title

MAGIC STRING

Description

Eva has a string S containing lowercase English letters. She wants to transform this string into a Magic String, where all the characters in the string are the same. To do so, she can replace any letter in the string with another letter present in that string.

Your task is to help Eva find and return an integer value, representing the minimum number of steps required to form a Magic String. Return 0, if S is already a Magic String.

Input Specification:

input1: A string S, containing lowercase English letters.

Output Specification:

Return an integer value, representing the minimum number of steps required to form a Magic String. Return 0, if S is already a Magic String.

Sample Input:

aaabbbccddddd

Sample Output:

8

Source Code:

```
s = input()

n = len(s)

d = {}
mx = 0
for i in s:
    if i in d:
        d[i] += 1
    else:
        d[i] = 1
    if d[i] > mx:
        mx = d[i]
print(n - mx)
```

RESULT

3BR

ME02b

R23M

3BR
26 3BR

ME02
ME02

R23M
R23M

26 3BR
26 3BR