



STUDENT REPORT

DETAILS

Name

Sagar B

Roll Number

3BR23ME019

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

3BH

ME01

R23N

19 3b
ME01

3ME0
R23

3BR2
19 3L

019 3P
3M