



# STUDENT REPORT

## DETAILS

Name

SHANTHARAJ

Roll Number

KUB23ECE031

## 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

KUB

CE03

B23E

31 KU  
CE03

ECE0  
B23E

UB23  
31 KU

031 KU  
B23E