



# STUDENT REPORT

## DETAILS

### Name

G.MOHIT

### Roll Number

KUB23CSE039

## 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-  
SE035  
B23C-  
39 KU  
SE03  
CSE0  
B23  
UB23  
39 K  
039 K  
3C K