



# STUDENT REPORT

## DETAILS

### Name

MOHAMMED TOUSIFF SHARIF

### Roll Number

KUB23ECE024

## 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

CE024

B23E

24 KU  
CE02

ECE0  
B23E

UB23  
24 KU

024 KU  
B23E