



# STUDENT REPORT

## DETAILS

Name

MOHAMMED ZUNAID

Roll Number

3BR23CS103

## 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:

aaabbbccddd

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

103 3b

CS103

CS10  
R23CS

R23CS  
3BR23

3BR23  
3 3BR

3 3BR23  
103