



# STUDENT REPORT

## DETAILS

### Name

U JEEVAN

### Roll Number

3BR23EC172

## 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

3BR

172

33EC

3BR2  
3EC1

172 3  
BR23

3EC1  
2 3B

BR23F  
EC