



# STUDENT REPORT

## DETAILS

### Name

RAZIYA M

### Roll Number

3BR23CS127

## 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:

aaabbbccdddd

### 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

5127

23CS

3BR2  
3CS1

127  
3BR2

3CS1  
273b

3BR23C  
3CS