



# STUDENT REPORT

## DETAILS

Name

T BHOOMIKA

Roll Number

3BR23AI163

## 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={}
max=0
for i in s:
    if i in d:
        d[i]+=1
    else:
        d[i]=1
    if d[i]>max:
        max=d[i]
print(n-max)
```

## RESULT

3BR

163

3A11

BR23  
163

3338  
3A116

41163  
BR23

R23A11