



# STUDENT REPORT

## DETAILS

Name

NITIN NARENDRA GHANMODE

Roll Number

3BR23ME014

## 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

3BR2

014 3L

ME014

23ME0  
3BR2

BR23M  
014 3B

3BR2  
ME014

014 3BR2  
3MF