



STUDENT REPORT

DETAILS

Name

SHRAVANI V D

Roll Number

3BR23EC153

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:

```
def magicstring(s):
    freq={}
    for char in s:
        if char in freq:
            freq[char]+=1
        else:
            freq[char]=1
    maxfreq=max(freq.values())
    minsteps=len(s)-maxfreq
    return minsteps
s=input()
result=magicstring(s)
print(result)
```

RESULT

5 / 5 Test Cases Passed | 100 %

3BH

C153

23EL

3BH
3BR2

C153
1533

23EL
3EC1

3BH
3BR2