

STUDENT REPORT

DETAILS

SYED ASHFAQUR RAHEMAN

Roll Number

KUB23CSE143

EXPERIMEN

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.

B

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:
def min_steps_to_magic_string(S):
    from collections import Counter
    # Count frequency of each character
    freq = Counter(S)
    # Find the maximum frequency
    max_freq = max(freq.values())
    # Calculate minimum steps
    min_steps = len(S) - max_freq
    return min_steps
S=input()
print(min_steps_to_magic_string(S))
```

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KUB23CSE143-Magic String

RESULT

5 / 5 Test Cases Passed | 100 %

FJB,

82382

13, 123

5635

185381