## STUDENT REPORT DETAILS Name Mohammed Aakhil R 228 BIZA MO LEED **Roll Number** 22BI24EE410-T EXPERIMENT MAGIC STRING AEEA O.T 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:** BIZAFEAT 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 410.122 Magic String. Sample Input: aaabbbccdddd

**Sample Output:** 

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Source Code:

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from collections import Counter
def min_steps_to_magic_string(s):
    if len(s) == 0:
       return 0 # Edge case: empty string
   # Count the frequency of each character
   char_count = Counter(s)
   # Find the maximum frequency
   max_freq = max(char_count.values())
   # Calculate the minimum steps
   min_steps = len(s) - max_freq
    return min_steps
# Read input
s = input().strip()
# Calculate and print the result
result = min_steps_to_magic_string(s)
print(result)
```

RESULT

5 / 5 Test Cases Passed | 100 %

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