PRODUCT COMPANIES PROGRAMS - SET 002

Solved Challenges **0/10**

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Chars Absolute Difference

ID:7536   Solved By 375 Users

The program must accept two string values **S1** and **S2** as the input. The program must find the absolute difference between the number of common characters and the number of uncommon characters in the string values and print the value as the output.

Boundary Condition(s):
1 <= Length of S1, Length of S2 <= 10^6

Input Format:
The first line contains S1
The second line contains S2

Output Format:
The first line contains the positive integer value denoting the absolute difference

Example Input/Output 1:
Input:
abcdxyza
bcdxmnomm

Output:
2

Explanation:
Common characters are bcdx and the count is 4.
Uncommon characters are ayzmno and the count is 6.
Hence difference is 4-6 = -2. But as absolute difference is asked, the output is 2.
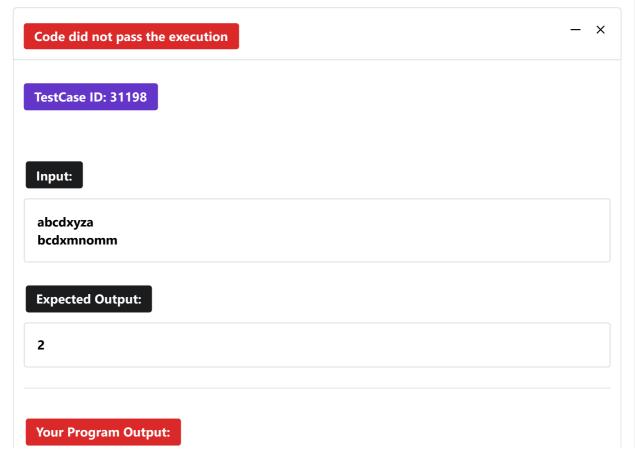
Example Input/Output 2:
Input:
aaaaaaaa
bbbbbbbcccccc

Output:
3

Max Execution Time Limit: 2000 millisecs

Ambiance

Python3 (3.x)

Reset

```python
1  S1 = input().strip()
2  S2 = input().strip()
3  S1 = set(S1)
4  S2 = set(S2)
5
6  comb = []
7  for i in S1:
8      comb.append(i)
9  for i in S2:
10     comb.append(i)
11
12 common = 0
13 uncommon = 0
14 visited = []
15 for char in comb:
16     if(comb.count(char)==2):
17         if(char not in visited):
18             common+=1
19             visited.append(char)
20     else:
21         uncommon+=1
22 print(abs(common-uncommon))
23
24
```

Code did not pass the execution   — ✕

TestCase ID: 31198

Input:

abcdxyza
bcdxmnomm

Expected Output:

2

Your Program Output:

['b', 'z', 'x', 'd', 'y', 'a', 'c', 'b', 'o', 'x', 'd', 'c', 'm', 'n']
2

Save   Run

☐ Run with a custom test case (Input/Output)