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sandeepraikar ▾

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# Make it Anagram

by [amititkgp](#)

Problem

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Alice recently started learning about cryptography and found that anagrams are very useful. Two strings are anagrams of each other if they have same character set (and frequency of characters) and same length. For example strings "bacdc" and "dcbac" are anagrams, while strings "bacdc" and "dcbad" are not.

Alice decides on an encryption scheme involving 2 large strings where encryption is dependent on the minimum number of character deletions required to make the two strings anagrams. She need your help in finding out this number.

Given two strings (they can be of same or different length) help her in finding out the minimum number of character deletions required to make two strings anagrams. Any characters can be deleted from any of the strings.

**Input Format**

Two lines each containing a string.

**Constraints**

1 <= Length of A,B <= 10000

A and B will only consist of lowercase latin letter.

**Output Format**

A single integer which is the number of character deletions.

**Sample Input #00:**

```
cde
abc
```

**Sample Output #00:**

```
4
```

**Explanation #00:**

We need to delete 4 characters to make both strings anagram i.e. 'd' and 'e' from first string and 'b' and 'a' from second string.

**Related Topics**[String Basics](#)

Submissions: 21521

Max Score: 30

Difficulty: Easy

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Current Buffer (saved locally, editable)

Java 7 ▾



```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     public static void main(String[] args) {
10         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
11         Scanner read = new Scanner(System.in);
12         String s1 = read.next();
13         String s2 = read.next();
14
15         int[] temp = new int[26];
16         for(int i=0;i<s1.length();i++){
17             temp[s1.charAt(i)-'a']++;
18         }
19
20         for(int i=0;i<s2.length();i++){
21             temp[s2.charAt(i)-'a']--;
22         }
23         int count = 0;
24         for(int i=0;i<26;i++){
25             count+=Math.abs(temp[i]);
26         }
27         System.out.println(count);
28     }
29 }
30 }
```

Line: 28 Col: 35

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code

Testcase 0 

Congratulations, you passed this test case in 0.0600/4 seconds!

Input (stdin)

cde  
abc

Your Output (stdout)

4

Expected Output

4

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