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Sherlock and the Valid String 🔖

by darkshadows

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Sherlock considers a string, s, to be *valid* if either of the following conditions are satisfied:

1. All characters in s have the same exact frequency (i.e., occur the same number of times). For example, $s = $ **"aabbcc"** is valid, but $s = $ **"baacdd"** is not valid.

2. Deleting exactly 1 character from s will result in all its characters having the same frequency. For example, $s = $ **"aabbccc"** and $s = $ **"aabbc"** are valid because all their letters will have the same frequency if we remove 1 occurrence of c , but $s = $ **"abcccc"** is not valid because we'd need to remove 3 characters.

Given s, can you determine if it's valid or not? If it's valid, print YES on a new line; otherwise, print NO instead.

Input Format

A single string denoting s.

Constraints

- $1 \leq |s| \leq 10^5$

- String s consists of lowercase letters only (i.e., [a-z]).

Output Format

Print YES if string s is valid; otherwise, print NO instead.

Sample Input 0

    aabbcd

Sample Output 0

    NO

Explanation 0

We would need to remove two characters from $s = $ **"aabbcd"** to make it valid, because a and b both have a frequency of 2 and c and d both have a frequency of 1. This means s is *invalid* because we'd need to remove more than 1 character to make all its letters have the same frequency, so we print NO as our answer.

f 𝕏 in

Submissions:20869

Max Score:35

Difficulty: Medium

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Current Buffer (saved locally, editable)   ⑂ ◷   Java 7   ⌄   ⤢   ⚙

```java
 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 ▾     static String isValid(String s){
10           // Complete this function
11       }
12
13 ▾     public static void main(String[] args) {
14           Scanner in = new Scanner(System.in);
15           String s = in.next();
16           String result = isValid(s);
17           System.out.println(result);
18       }
19   }
20
```

Line: 1 Col: 1

⬆ **Upload Code as File**   ☐ Test against custom input   Run Code   Submit Code

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