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Game of Thrones - I

locked

by amititkgp

Problem

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Dothraki are planning an attack to usurp King Robert's throne. King Robert learns of this conspiracy from Raven and plans to lock the single door through which the enemy can enter his kingdom.



But, to lock the door he needs a key that is an **anagram** of a certain **palindrome** string.

The king has a string composed of lowercase English letters. Help him figure out whether any anagram of the string can be a palindrome or not.

Input Format

A single line which contains the input string.

Constraints

 $1 \leq \text{length of string} \leq 10^5$

Each character of the string is a lowercase English letter.

Output Format

A single line which contains YES or NO in uppercase.

Sample Input : 01

```
aaabbbb
```

Sample Output : 01

```
YES
```

Explanation

A palindrome permutation of the given string is *bbaaabb*.

Sample Input : 02

```
cdefghmnopqrstuvw
```

Sample Output : 02

```
NO
```

Explanation

You can verify that the given string has no palindrome permutation.

Sample Input : 03

cdcdcdcdeeeef

Sample Output : 03

YES

Explanation

A palindrome permutation of the given string is *ddcceefecdd*.

f t in

Submissions: 1545


Max Score: 20

Difficulty: Easy

Rate This Challenge:

★★★★★ Thanks!

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C#

```
1 using System;
2 using System.Collections.Generic;
3 using System.IO;
4 class Solution {
5     static void Main(String[] args) {
6         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution */
7         string s = Console.ReadLine();
8
9         /*almaceno la frecuencia con la que está presente cada numero en arr */
10        Dictionary<char, int> frec = s.ToCharArray().GroupBy(x => x)
11        .ToDictionary(x => x.Key, x => x.Count());
12
13        int impares = 0;
14        foreach (KeyValuePair<char, int> kvp in frec)
15        {
16            if (kvp.Value % 2 != 0)
17            {
18                impares++;
19            }
20        }
21        if (impares > 1)
22        {
23            Console.WriteLine("NO");
24        }
25        else
26        {
27            Console.WriteLine("YES");
28        }
29    }
30 }
31 }
```

Line: 28 Col: 14

 [Upload Code as File](#)

☐ Test against custom input

Run Code

Submit Code

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