

<https://course.acciojob.com/idle?question=f09470bf-e1f7-4702-9047-0940faeb18b8>

● EASY

● Max Score: 30 Points

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Palindromic Permutation

You are given a string s . Determine if it can be rearranged into a palindrome. If it is possible, print "YES"(without quotes), otherwise "NO"(without quotes).

Input Format

The only line of the input contains the string s .

Output Format

Print YES if the string can be rearranged into a palindrome, else print NO.

Example 1

Input

aabdcabc

Output

YES

Explanation

The string can be rearranged to `abcdcba` which forms a palindrome.

Example 2

Input

ab

Output

NO

Explanation

There is no way to rearrange `ab` to form a **palindrome**.

Topic Tags

- **Strings**

My code

```
// n java
import java.io.*;
import java.util.*;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String s = sc.nextLine();
        Solution sol = new Solution();
        sol.possibleToPalindrome(s);
    }
}
```

```
class Solution {
    static void possibleToPalindrome(String s) {
        HashMap<Character,Integer>hm=new HashMap<>();
        int n=s.length();
        for(int i=0;i<n;i++)
        {
            if(hm.containsKey(s.charAt(i)))
                hm.remove(s.charAt(i));
            else hm.put(s.charAt(i),1);
        }
        if(hm.size()<2)
            System.out.print("YES");
        else System.out.print("NO");
    }
}
```