

Sherlock and the Valid String



Sherlock considers a string to be *valid* if all characters of the string appear the same number of times. It is also *valid* if he can remove just 1 character at 1 index in the string, and the remaining characters will occur the same number of times. Given a string s , determine if it is *valid*.

For example, if $s = abc$, it is a valid string because frequencies are $\{a : 1, b : 1, c : 1\}$. So is $s = abcc$ because we can remove one c and have 1 of each character in the remaining string. If $s = abccc$ however, the string is not *valid* as we can only remove 1 occurrence of c . That would leave character frequencies of $\{a : 1, b : 1, c : 2\}$.

Input Format

Complete the function *isValid* in the editor below. The code stub reads the input and passes it to the function. Inputs are in the following format:

A single string s .

Constraints

- $1 \leq |s| \leq 10^5$
- Each character $s[i] \in \text{ascii}[a - z]$

Output Format

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

Sample Input 0

aabbcd

Sample Output 0

NO

Explanation 0

We would need to remove two characters, both c and d , from $s = \text{"aabbcd"}$ to make it valid. We are limited to removing only one character, so s is *invalid*.

Sample Input 1

aabbccddeefghi

Sample Output 1

NO

Explanation 1

Frequency counts for the letters are as follows:

$\{ 'a' : 2, 'b' : 2, 'c' : 2, 'd' : 2, 'e' : 2, 'f' : 1, 'g' : 1, 'h' : 1, 'i' : 1 \}$

There are **4** characters with a frequency of **1** that would need to be removed: **{fghi}**. If only one of those **4** had been in the string, it would have been valid.