

**Problem 2.3****ATnTA**

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Overview: Verify if the letters in a string form a palindrome.

Description: Communications company ATnTA has been responsible for handling a lot of the traffic on the Internet. However, more and more information is being sent online, and all the data has been clogging the Tubes recently. In order to make sure that their data is getting transmitted correctly, ATnTA has decided to send their data in redundant palindromic form. That way, it is possible to check if the data arrived correctly, by going through it backwards and verifying that it's the same in reverse.

A word is a palindrome (i.e. is palindromic) if it is a word which remains unchanged when its letters are reversed. For this problem, ATnTA considers a palindrome to be any string whose letters form a palindrome. Thus, the string should become a palindromic word after

- 1) removing spaces, and
- 2) converting every letter to lowercase.

Thus, the following are palindromes:

- A man a plan a canal Panama
- ProCo is I O Corp
- Sq a blooL baQs
- Hannah
- RaCeCAR

Time Allocation: 1 second

Input: The input consists of a string  $c$  on a single line.

Output: The output should consist of a single word `yes` or `no`, indicating whether  $c$  becomes a palindromic word after removing all spaces and converting every letter to lowercase.

The output is to be formatted exactly like the sample output given below.

Assumptions:  $c$  will contain between 1 and 1,000,000 characters, inclusive.  
 $c$  will contain only uppercase and lowercase letters and spaces.  
 $c$  will begin and end with a letter.  
All input will be valid.

Sample Input #1: Go hang a salami I m a lasagna hog

Sample Output #1: yes

Sample Input #2: Reversed deserver

Sample Output #2: no