Your Palindrome Index submission got 25.00 points.

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Palindrome Index



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Given a string of lowercase letters, determine the index of the character whose removal will make the string a palindrome. If the string is already a palindrome, then print -1. There will always be a valid solution.

Input Format

The first line contains T (the number of test cases).

The $oldsymbol{T}$ subsequent lines of test cases each contain a single string to be checked.

Constraints

 $1 \le T \le 20$

 $1 \le length of string \le 100005$

All characters are Latin lower case indexed.

Output Format

Print the zero-indexed position (integer) of a character whose deletion will result in a palindrome; if there is no such character (i.e.: the string is already a palindrome), print -1. Any correct answer will be accepted; e.g.: for a string such as $\frac{bcbc}{bcbc}$, we can either remove b at index 0 or c at index 3—both answers are acceptable.

Sample Input

| 2 | | | |
|--------------------|--|--|--|
| aaab | | | |
| aaab baa aaa | | | |
| aaa | | | |

Sample Output

| 3 | | | |
|----|--|--|--|
| 0 | | | |
| -1 | | | |
| | | | |

Explanation

Test Case 1(aaab): Removing b at index 3 results in a palindrome, so we print 3.

Test Case 2(baa): Removing b at index 0 results in a palindrome, so we print 0.

Test Case 3(aaa): This string is already a palindrome, so we print -1; however, 0, 1, and 2 are also all acceptable answers, as the string will still be a palindrome if any one of the characters at those indices are removed.

Custom Checker logic

Related Topics

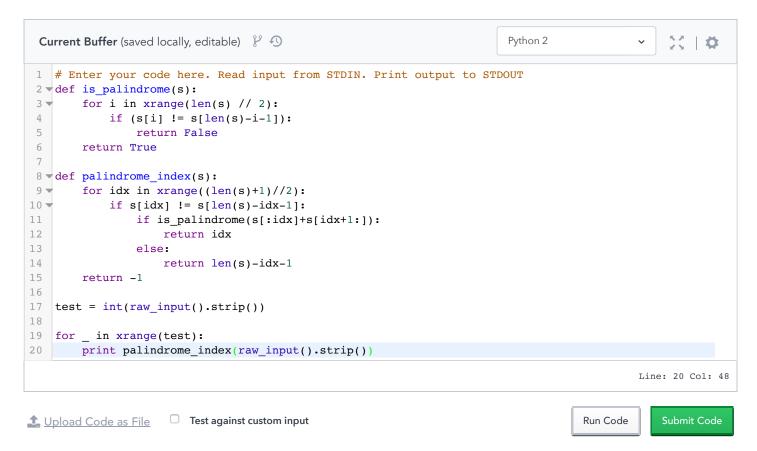
Palindrome

Solved score: 25.00pts

Submissions: 19574

Max Score: 25
Difficulty: Easy

More



Congrats, you solved this challenge! ✓ Test Case #2 ✓ Test Case #0 ✓ Test Case #1 Test Case #3 ✓ Test Case #4 ✓ Test Case #5 Test Case #6 ✓ Test Case #7 ✓ Test Case #8 ✓ Test Case #9 ✓ Test Case #10 ✓ Test Case #11 Test Case #13 ✓ Test Case #14 ✓ Test Case #12 **Next Challenge**

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