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Test Name: Mock Test
Taken On: 17 Aug 2024 08:05:57 IST
Time Taken: 21 min 44 sec/ 22 min
Invited by: Ankush
Invited on: 17 Aug 2024 08:05:43 IST
Skills Score:
Tags Score:

Algorithms 0/105
Core CS 0/105
Easy 0/105
Problem Solving 0/105
Strings 0/105
problem-solving 0/105

0%
0/105

scored in **Mock Test** in 21 min
44 sec on 17 Aug 2024 08:05:57
IST

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	Palindrome Index > Coding	21 min 47 sec	0/ 105	⊗

QUESTION 1

⊗

Wrong Answer

Score 0

Palindrome Index > Coding

Strings Algorithms Easy problem-solving Core CS

Problem Solving

QUESTION DESCRIPTION

Given a string of lowercase letters in the range `ascii[a-z]`, determine the index of a character that can be removed to make the string a **palindrome**. There may be more than one solution, but any will do. If the word is already a palindrome or there is no solution, return `-1`. Otherwise, return the index of a character to remove.

Example
`s = "bcbc"`

Either remove `'b'` at index **0** or `'c'` at index **3**.

Function Description

Complete the `palindromeIndex` function in the editor below.

palindromeIndex has the following parameter(s):

- *string s*: a string to analyze

Returns

- *int*: the index of the character to remove or **-1**

Input Format

The first line contains an integer ***q***, the number of queries.

Each of the next ***q*** lines contains a query string ***s***.

Constraints

- $1 \leq q \leq 20$
- $1 \leq \text{length of } s \leq 10^5 + 5$
- All characters are in the range `ascii[a-z]`.

Sample Input

STDIN	Function
3	q = 3
aaab	s = 'aaab' (first query)
baa	s = 'baa' (second query)
aaa	s = 'aaa' (third query)

Sample Output

```
3
0
-1
```

Explanation

Query 1: "aaab"

Removing 'b' at index **3** results in a palindrome, so return **3**.

Query 2: "baa"

Removing 'b' at index **0** results in a palindrome, so return **0**.

Query 3: "aaa"

This string is already a palindrome, so return **-1**. Removing any one of the characters would result in a palindrome, but this test comes first.

Note: The custom checker logic for this challenge is available [here](#).
















CANDIDATE ANSWER

The candidate did not manually submit any code. The last compiled version has been auto-submitted and the score you see below is for the auto-submitted version.

Language used: **Python 3**

```
1
2 #
3 # Complete the 'palindromeIndex' function below.
4 #
5 # The function is expected to return an INTEGER.
6 # The function accepts STRING s as parameter.
7 #
8
9 def palindromeIndex(s):
10     # Write your code here
11     st = 0
```

```
12     ed = len(s)-1
13     index = -1
14     palindrome = True
15     while (st< ed):
16         if(s[st] != s[ed]):
17             palindrome = False
18             if(s[st+1] == s[ed]):
19                 palindrome = True
20                 index = st
21                 s.remove(s[st])
22             elif(s[st] == s[ed-1]):
23                 palindrome = True
24                 index = ed
25                 s.remove(s[ed])
26         st += 1
27         ed -= 1
28     return index
29
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	 Runtime Error	0	0.0404 sec	10.7 KB
Testcase 2	Medium	Hidden case	 Runtime Error	0	0.042 sec	10.7 KB
Testcase 3	Medium	Hidden case	 Runtime Error	0	0.0324 sec	10.8 KB
Testcase 4	Medium	Hidden case	 Runtime Error	0	0.0292 sec	10.5 KB
Testcase 5	Medium	Hidden case	 Runtime Error	0	0.0356 sec	10.6 KB
Testcase 6	Medium	Hidden case	 Runtime Error	0	0.0582 sec	11 KB
Testcase 7	Medium	Hidden case	 Runtime Error	0	0.0779 sec	10.7 KB
Testcase 8	Medium	Hidden case	 Runtime Error	0	0.0323 sec	10.7 KB
Testcase 9	Hard	Hidden case	 Runtime Error	0	0.0525 sec	10.6 KB
Testcase 10	Hard	Hidden case	 Runtime Error	0	0.0371 sec	10.8 KB
Testcase 11	Hard	Hidden case	 Runtime Error	0	0.0444 sec	10.6 KB
Testcase 12	Hard	Hidden case	 Runtime Error	0	0.0382 sec	10.4 KB
Testcase 13	Hard	Hidden case	 Runtime Error	0	0.0364 sec	10.7 KB
Testcase 14	Hard	Hidden case	 Runtime Error	0	0.0354 sec	10.5 KB
Testcase 15	Hard	Hidden case	 Runtime Error	0	0.0391 sec	10.8 KB

No Comments