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## 1. Palindrome Index



ALL



1

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

$s = \text{"bcbcb"}$

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	$s = \text{'aaab'}$ (first query)
baa	$s = \text{'baa'}$ (second query)
aaa	$s = \text{'aaa'}$ (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](#).

Language Python 3 ⓘ

Autocomplete Loading...





















































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































