

Description

Solution

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Submissions

1328. Break a Palindrome

Medium

1285

570

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Given a palindromic string of lowercase English letters `palindrome`, replace **exactly one** character with any lowercase English letter so that the resulting string is **not** a palindrome and that it is the **lexicographically smallest** one possible.

Return *the resulting string*. If there is no way to replace a character to make it not a palindrome, return an **empty string**.

A string `a` is lexicographically smaller than a string `b` (of the same length) if in the first position where `a` and `b` differ, `a` has a character strictly smaller than the corresponding character in `b`. For example, `"abcc"` is lexicographically smaller than `"abcd"` because the first position they differ is at the fourth character, and `'c'` is smaller than `'d'`.

Example 1:

Input: `palindrome = "abccba"`
Output: `"aaccba"`
Explanation: There are many ways to make `"abccba"` not a palindrome, such as `"zbccba"`, `"aaccba"`, and `"abacba"`.
Of all the ways, `"aaccba"` is the lexicographically smallest.

Example 2:

Input: `palindrome = "a"`
Output: `""`
Explanation: There is no way to replace a single character to make `"a"` not a palindrome, so return an empty string.

Constraints:

- `1 <= palindrome.length <= 1000`
- `palindrome` consists of only lowercase English letters.

Accepted 98,741

Submissions 186,754

Seen this question in a real interview before?

Yes

No

Java

Autocomplete

```
1  class Solution {
2      public String breakPalindrome(String palindrome) {
3          char[] cStr = palindrome.toCharArray();
4
5          if(cStr.length < 2){
6              return "";
7          }
8
9          for(int i = 0 ; i < cStr.length / 2; i++){
10             if(cStr[i] != 'a'){
11                 cStr[i] = 'a';
12                 return String.valueOf(cStr);
13             }
14         }
15
16         cStr[cStr.length - 1] = 'b';
17         return String.valueOf(cStr);
18     }
19 }
```

Your previous code was restored from your local storage. [Reset to default](#)

Testcase

Run Code Result

Debugger

Accepted

Runtime: 0 ms

Your input

"abccba"

Output

"aaccba"

Diff

Expected

"aaccba"

Console

Use Example Testcases

Run Code

Submit

Problems

Pick One

< Prev

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