

LeetCode

Day 23

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September LeetCode Challenge 2021

Premium

Description

Solution

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Submissions

1328. Break a Palindrome

Medium

546

379

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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.

**Example 3:**

**Input:** `palindrome = "aa"`  
**Output:** "ab"

**Example 4:**

**Input:** `palindrome = "aba"`  
**Output:** "abb"

**Constraints:**

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

Accepted 51,643 Submissions 99,807

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class Solution {  
 public String breakPalindrome(String palindrome) {  
   
 }  
}

Problems

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