

Problem 3517: Smallest Palindromic Rearrangement I

Problem Information

Difficulty: Medium

Acceptance Rate: 63.28%

Paid Only: No

Tags: String, Sorting, Counting Sort

Problem Description

You are given a **palindromic** string `s`.

Return the **lexicographically smallest** palindromic permutation of `s`.

Example 1:

Input: `s = "z"`

Output: `"z"`

Explanation:

A string of only one character is already the lexicographically smallest palindrome.

Example 2:

Input: `s = "babab"`

Output: `"abbba"`

Explanation:

Rearranging `"babab"` -> `"abbba"` gives the smallest lexicographic palindrome.

****Example 3:****

****Input:**** s = "daccad"

****Output:**** "acddca"

****Explanation:****

Rearranging "daccad" -> "acddca" gives the smallest lexicographic palindrome.

****Constraints:****

* `1 <= s.length <= 105` * `s` consists of lowercase English letters. * `s` is guaranteed to be palindromic.

Code Snippets

C++:

```
class Solution {  
public:  
    string smallestPalindrome(string s) {  
  
    }  
};
```

Java:

```
class Solution {  
    public String smallestPalindrome(String s) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def smallestPalindrome(self, s: str) -> str:
```