Problem 2148: Count Elements With Strictly Smaller and Greater Elements

Problem Information

Difficulty: Easy
Acceptance Rate: 59.48%
Paid Only: No
Tags: Array, Sorting, Counting

Problem Description

Given an integer array `nums`, return _the number of elements that have**both** a strictly smaller and a strictly greater element appear in _`nums`.

Example 1:

Input: nums = [11,7,2,15] **Output:** 2 **Explanation:** The element 7 has the element 2 strictly smaller than it and the element 11 strictly greater than it. Element 11 has element 7 strictly smaller than it and element 15 strictly greater than it. In total there are 2 elements having both a strictly smaller and a strictly greater element appear in nums.

Example 2:

Input: nums = [-3,3,3,90] **Output:** 2 **Explanation:** The element 3 has the element -3 strictly smaller than it and the element 90 strictly greater than it. Since there are two elements with the value 3, in total there are 2 elements having both a strictly smaller and a strictly greater element appear in nums.

Constraints:

* `1 <= nums.length <= 100` * `-105 <= nums[i] <= 105`

Code Snippets

C++:

```
class Solution {
public:
int countElements(vector<int>& nums) {

}
};
```

Java:

```
class Solution {
public int countElements(int[] nums) {

}
}
```

Python3:

```
class Solution:
def countElements(self, nums: List[int]) -> int:
```