Problem 1636: Sort Array by Increasing Frequency

Problem Information

Difficulty: Easy
Acceptance Rate: 80.52%
Paid Only: No
Tags: Array, Hash Table, Sorting

Problem Description

Given an array of integers `nums`, sort the array in **increasing** order based on the frequency of the values. If multiple values have the same frequency, sort them in **decreasing** order.

Return the _sorted array_.

Example 1:

Input: nums = [1,1,2,2,2,3] **Output:** [3,1,1,2,2,2] **Explanation:** '3' has a frequency of 1, '1' has a frequency of 2, and '2' has a frequency of 3.

Example 2:

Input: nums = [2,3,1,3,2] **Output:** [1,3,3,2,2] **Explanation:** '2' and '3' both have a frequency of 2, so they are sorted in decreasing order.

Example 3:

Input: nums = [-1,1,-6,4,5,-6,1,4,1] **Output:** [5,-1,4,4,-6,-6,1,1,1]

Constraints:

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

Code Snippets

C++:

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

}
};
```

Java:

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

}
}
```

Python3:

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