Problem 229: Majority Element II

Problem Information

Difficulty: Medium
Acceptance Rate: 55.36%
Paid Only: No
Tags: Array, Hash Table, Sorting, Counting

Problem Description

Given an integer array of size `n`, find all elements that appear more than `■ n/3 ■` times.

Example 1:

Input: nums = [3,2,3] **Output:** [3]

Example 2:

Input: nums = [1] **Output:** [1]

Example 3:

Input: nums = [1,2] **Output:** [1,2]

Constraints:

* `1 <= nums.length <= 5 * 104` * `-109 <= nums[i] <= 109`

Follow up: Could you solve the problem in linear time and in `O(1)` space?

Code Snippets

C++:

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

}
};
```

Java:

```
class Solution {
public List<Integer> majorityElement(int[] nums) {

}
}
```

Python3:

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