Problem 3595: Once Twice

Problem Information

Difficulty: Medium
Acceptance Rate: 77.11%
Paid Only: Yes
Tags: Array, Bit Manipulation

Problem Description

You are given an integer array `nums`. In this array:

* Exactly one element appears **once**.

* Exactly one element appears **twice**.

* All other elements appear **exactly three times**.

Return an integer array of length 2, where the first element is the one that appears **once** , and the second is the one that appears **twice**.

Your solution must run in **O(n)** time and **O(1)** space.

Example 1:

Input: nums = [2,2,3,2,5,5,5,7,7]

Output: [3,7]

Explanation:

The element 3 appears **once** , and the element 7 appears **twice**. The remaining elements each appear **three times**.

Example 2:

Input: nums = [4,4,6,4,9,9,9,6,8]

Output: [8,6]

Explanation:

The element 8 appears **once** , and the element 6 appears **twice**. The remaining elements each appear **three times**.

Constraints:

* `3 <= nums.length <= 105` * `-231 <= nums[i] <= 231 - 1` * `nums.length` is a multiple of 3. * Exactly one element appears once, one element appears twice, and all other elements appear three times.

Code Snippets

C++:

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


}
};
```

Java:

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


}
}
```

Python3:

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