

229. Majority Element II

Hint

Given an integer array of size n , find all elements that appear more than $\lfloor n/3 \rfloor$ 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:

- $1 \leq \text{nums.length} \leq 5 * 10^4$
- $-10^9 \leq \text{nums}[i] \leq 10^9$

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