169. Majority Element

- Given an array nums of size n, return the majority element.

- The majority element is the element that appears more than $\lfloor n / 2 \rfloor$ times. You may assume that the majority element always exists in the array.

Example 1:

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

- **Output:** 3

Example 2:

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

- **Output:** 2

Constraints:

- n == nums.length

- $1 <= n <= 5 * 10^4$

- $-10^9 <= nums[i] <= 10^9$

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