Majority Element (>N/2 times)

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?