

169. Majority Element

Description

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 * 104`
- `-109 <= nums[i] <= 109`

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

