[Majority Element (>N/2 times)](https://leetcode.com/problems/majority-element/description/" \t "_blank)

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

*The majority element is the element that appears more than ⌊n / 2⌋ 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?*