

# 169. Majority Element

Solved

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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:

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

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