

## Single Number - LeetCode

笔记本: 来自小程序「印象笔记」  
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### 136. Single Number

Solved

Given a **non-empty** array of integers `nums`, every element appears *twice* except for one. Find that single one.

You must implement a solution with a linear runtime complexity and use only constant extra space.

#### Example 1:

**Input:** `nums = [2,2,1]`  
**Output:** 1

#### Example 2:

**Input:** `nums = [4,1,2,1,2]`  
**Output:** 4

#### Example 3:

**Input:** `nums = [1]`  
**Output:** 1

#### Constraints:

- $1 \leq \text{nums.length} \leq 3 \times 10^4$
- $-3 \times 10^4 \leq \text{nums}[i] \leq 3 \times 10^4$
- Each element in the array appears twice except for one element which appears only once.