

217. Contains Duplicate

Given an integer array `nums`, return `true` if any value appears at least twice in the array, and return `false` if every element is distinct.

Example 1:

- **Input:** `nums = [1,2,3,1]`
- **Output:** `true`
- **Explanation:** The element 1 occurs at the indices 0 and 3.

Example 2:

- **Input:** `nums = [1,2,3,4]`
- **Output:** `false`
- **Explanation:** All elements are distinct.

Example 3:

- **Input:** `nums = [1,1,1,3,3,4,3,2,4,2]`
- **Output:** `true`

Constraints:

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