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

**Example 2:**

Input: nums = [1,2,3,4]  
Output: false

**Example 3:**

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

**Constraints:**

* 1 <= nums.length <= 105
* -109 <= nums[i] <= 109