

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:

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