

Contains Duplicate (Easy)

Given an integer array `nums`, return `true` if any value appears more than once in the array, otherwise return `false`.

Example 1:

Input: `nums = [1, 2, 3, 3]`

Output: `true`

Example 2:

Input: `nums = [1, 2, 3, 4]`

Output: `false`

思路:

1.暴力搜尋(N^2)

2.排序後比對($N\log N$)

```
sort(nums.begin(), nums.end());
```

3.hash set(N)

```
class Solution {
public:
    bool hasDuplicate(vector<int>& nums) {
        unordered_set<int> set;
        for(int num : nums){
            if(set.count(num)){
                return true;
            }
            set.insert(num);
        }
        return false;
    }
};
```

```
}  
};
```