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Given an array of integers, find if the array contains any duplicates. Your function should return true if any value appears at least twice in the array, and it should return false if every element is distinct.

way-1:排序去重看长度

way-2:用map来存

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class Solution {

public:

bool containsDuplicate(vector<int>& nums)

{

//way-1

/\*

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

int first=nums.size();

vector<int>::iterator it=unique(nums.begin(),nums.end());

if((it-nums.begin())==first)

return false;

else

return true;

\*/

//way-2

map<int,int> mm;

for(int i=0;i<nums.size();i++)

{

if(mm.find(nums[i])==mm.end())

mm[nums[i]]++;

else

return true;

}

return false;

}

};