/\*

Given an array of size n, find the majority element. The majority element is the element that appears more than ⌊ n/2 ⌋ times.

You may assume that the array is non-empty and the majority element always exist in the array.

way-1:用一个map来存出现的次数

\*/

class Solution {

public:

int majorityElement(vector<int>& nums)

{

//way-1

map<int,int> count;

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

{

if((++count[nums[i]])>nums.size()/2)

return nums[i];

}

return 0;

}

};