/\*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.

\*/

class Solution {

public int majorityElement(int[] nums) {

int n=nums.length;

HashMap<Integer,Integer> map=new HashMap<>();

for(int i=0;i<n;i++){

map.put(nums[i],map.getOrDefault(nums[i],0)+1);

}

for(Map.Entry<Integer,Integer> ent:map.entrySet()){

if(ent.getValue()>n/2)

return ent.getKey();

}

return -1;

}

}