Majority Element

Problem Statement

Medium, Points: 4

Given an array A of N elements. Find the majority element in the array. A majority element in an array A of size N is an element that appears strictly more than N/2 times in the array. Example 1: Input: N = 3 $A[] = \{1,2,3\}$ Output: -1 Explanation: Since, each element in {1,2,3} appears only once so there is no majority element Example 2: Input: N = 5 $A[] = {3,1,3,3,2}$ Output: 3 **Explanation:** Since, 3 is present more than N/2 times, so it is the majority element. Your Task: The task is to complete the function majorityElement() which returns the majority element in the array. If no majority exists, return -1. Expected Time Complexity: O(N). Expected Auxiliary Space: O(1). Constraints: $1 \le N \le 107$ $0 \le Ai \le 106$

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