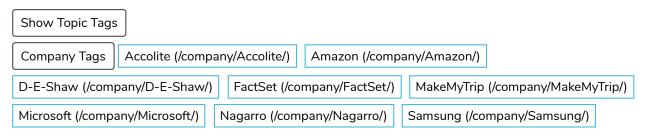
Majority Element

Submissions: 105710 (/problem_submissions.php?pid=305) Accuracy: 39.96% Difficulty: Basic (https://practice.geeksforgeeks.org/Basic/0/0/) Marks: 1

Associated Course(s): Geeks Classes (/courses/geeks-classes/) Geeks Classes- Algorithms (/courses/geeks-classes-algorithms/) More



Problems

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 more** than N/2 times in the array.

Input:

The first line of the input contains **T** denoting the number of testcases. The first line of the test case will be the size of array and second line will be the elements of the array.

Output:

For each test case the output will be the majority element of the array. Output "-1" if no majority element is there in the array.

Constraints:

$$1 \le T \le 100$$

 $1 \le N \le 10^7$
 $0 \le A_i \le 10^6$

Example:

Input:

Output:

3

-1

Explanation:

Testcase 1: Since, 3 is present more than N/2 times, so it is the majority element.

** For More Input/Output Examples Use 'Expected Output' option **

Author: atharv (https://auth.geeksforgeeks.org/user/atharv/practice/)

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pid=305&isSolved=ALL&lang=ALL&user=Self)

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