Problem Statement

You have been given an array/list 'ARR' of integers. Your task is to find the

second largest element present in the 'ARR'

Note:

a) Duplicate elements may be present

b) If no such element is present return -1.

Input Format:

The first line of input contains an integer 'T' denoting the number of test cases.

The next 2\*T lines represent the 'T' test cases.

The first line of each test case contains an integer 'N' denoting

the number of elements in the array.

The second line of each test case contains 'N’ space-separated

integers denoting the elements in the array.

Output Format:

For each test case, print a single line containing a single integer denoting the second largest element in the array.

The output of each test case will be printed in a separate line.

Constraints

1 <= T <= 100

1<= N <= 5000

-10 ^ 9 <= 'SIZE' <= 10 ^ 9

Where ' is the total number of test cases, 'N' denotes the

number of elements in the array and 'SIZE' denotes the range of

the elements in the array.

Time limit: 1 sec.

Write a function int findSecondLargest(int n, vector<int> &arr) in cpp