**Third largest element**

Submissions: [10036](https://practice.geeksforgeeks.org/problem_submissions.php?pid=700312)  Accuracy:

44.6%

   Difficulty: [Basic](https://practice.geeksforgeeks.org/Basic/1/0/)   Marks: 1

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Given an array of distinct elements. Your task is to find the third largest element in it. You have to complete the function**thirdLargest** which takes two argument. The first argument is the array **a[]**and the second argument is the **size of the array (n)**. The function returns an integer denoting the third largest element in the array a[]. The function should return **-1** if there are less than 3 elements in input.

**Input:**  
The first line of input contains an integer **T** denoting the number of test cases. Then T test cases follow. The first line of each test case is N, size of array. The second line of each test case contains N space separated values of the array a[].

**Output:**  
Output for each test case will be  the third largest element of the array .   
  
**Constraints:**  
1 ≤ T ≤ 100  
1 ≤ N ≤ 103  
1 ≤ A[i] ≤ 103  
  
**Example(To be used for only expected output):**  
**Input:**  
1  
5  
2 4 1 3 5

**Output:**  
3

\*\* For More Input/Output Examples Use ['Expected Output'](https://practice.geeksforgeeks.org/problems/third-largest-element/1/?ref=self#ExpectOP) option \*\*

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<https://practice.geeksforgeeks.org/problems/third-largest-element/1/?ref=self>

def thirdLargest(arr, n):

# code here

m = max(arr)

count = [0] \* (m+1)

for i in range(0, len(arr)):

count[arr[i]] += 1

l = 0

for i in range(m, -1, -1):

if(count[i] > 0):

l += 1

if(l == 3):

return i

return -1