

DETAILS

Name

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EXPERIMENT

PEAK ELEMENT FINDER

Description

Description: You are given an N- dimensional array arr[]. A peak element in the array is defined as an element whose value is greater than or equal to its neighboring elements (if they exist). Your task is to find the index of any peak element in the given array

Note: use 0-based indexing

Input:

An integer representing the number of elements in the array. N space-separated integers, denoting the elements of the array.

N space-separated integers ,denoting the elements of the array arr[]

Sample Input:

5

1 3 20 4 1

Sample Output:

RESULT

5 / 5 Test Cases Passed | 100 %

Roll Number

TEMPBTech-CSE082

Source Code:

Ble

```
n = int(input())
1 = list(map(int, input().split()))
mx = -1 # Initialize mx to -1 to indicate no peak fou
nd
for i in range(n):
    # Check for the first element
        if l[i] > l[i + 1]:
            mx = i
            break
    # Check for the last element
    elif i == n - 1:
        if 1[i] >= 1[i - 1]:
            mx = i
            break
    # Check for middle elements
        if l[i] >= l[i - 1] and l[i] >= l[i + 1]:
            mx = i
            break
print(mx)
```