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3EE080 38



STUDENT REPORT

FEOG

DETAILS

Name

Rukhsar K A

Roll Number

3BR23EE080

REAK ELEMENT FINDER

2822

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[]

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Sample Input:

5

1 3 20 4 1

Sample Output:

2

3BR23EL080 3BR25EL080 3BR25EL080 3BR25EL080 3BR25EL080 3BR25EL080 3BR25EL080 3BR25EL080 3BR25EL080 3BR25EL080 3BR23EL080 3BR20 3BR23EL080 3BR23EL080 3BR23E

38R23EL080 3R22EL080 3R https://practice.reinprep.com/student/get-report/40e2babf-7d04-11ef-ae9a-0e411ed3c76b

```
def find_peak_element(arr):
 n = len(arr)
 if n == 1:
    return 0
 if arr[0] > arr[1]:
    return 0
 if arr[n - 1] > arr[n - 2]:
    return n - 1
 for i in range(1, n - 1):
    if arr[i] > arr[i - 1] and arr[i] > arr[i + 1]:
      return i
  return -1
n = int(input())
arr = list(map(int, input().split()))
index = find_peak_element(arr)
if index != -1:
  print(index)
else:
 print("No peak element found.")
```

5 / 5 Test Cases Passed | 100 %

384

2 FF

SEJ.

30

(.60%)

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