BRZ

823A11238R23A11238R23A11238R23A11238R23A1123



STUDENT REPORT

388

238

DETAILS

Name

V K SRIJA

Roll Number

3BR23AI172

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:

2

Source Code: 3BR23A11723BR23A1

3676b 36R23A11723BR23A1172BR23A117A17A1BR23A117A1BR23A117A1BR23A117A1BR23A117A1BR23A117A1BR23A117A1BR23A1 https://practice.reinprep.com/student/get-report/8a6fd49b-7c97-11ef-ae9a-0e411ed3c76b

```
def find_peak_element(arr):
 n=len(arr)
 if n==1:
     return 0
 if arr[0]>arr[1]:
     return0
 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.")
                                                                                                              .123BR23A1123
```

RESULT

0 / 5 Test Cases Passed | 0 %