```
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.")
RESULT.
  5 / 5 Test Cases Passed | 100 \%
```

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