```
def find_peak(arr):
   n = len(arr)
   # Check if the array is empty
    if n == 0:
        return -1
   # Check the first element
   if n == 1 or arr[0] >= arr[1]:
        return 0
    # Check the last element
    if arr[n - 1] >= arr[n - 2]:
        return n - 1
    # Check the middle elements
    for i in range(1, n - 1):
        if arr[i] >= arr[i - 1] and arr[i] >= arr[i + 1]:
           return i
    return -1 # If no peak is found (though there should be at least one)
# Sample input
input_data = "5\n1 3 20 4 1"
lines = input_data.split("\n")
n = int(lines[0]) # Number of elements
arr = list(map(int, lines[1].split())) # The elements of the array
# Find and print the index of a peak element
peak_index = find_peak(arr)
print(peak_index)
```

RESULT

3 / 5 Test Cases Passed | 60 %

SEN (1823

200

JBZ

13

2305

LUV

LUR ALL