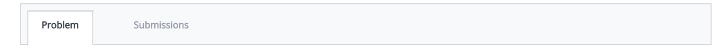
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## F D01 - Array as a Hill



Array of integers is a hill, if:

- it is strictly increasing in the beginning;
- after that it is constant;
- · after that it is strictly decreasing.
- The first block (increasing) and the last block (decreasing) may be absent. It is allowed that both of this blocks are absent.

For example, the following three arrays are a hill: [5, 7, 11, 11, 2, 1], [4, 4, 2], [7], but the following three are not unimodal: [5, 5, 6, 6, 1], [1, 2, 1, 2], [4, 5, 5, 6].

Write a program that checks if an array is a hill.

## Input Format

The first line contains integer n ( $1 \le n \le 100$ ) — the number of elements in the array.

The second line contains n integers a1, a2, ..., an  $(1 \le ai \le 1000)$  — the elements of the array.

## **Output Format**

Print "yes" if the given array is a hill. Otherwise, print "no".

```
Contest ends in 1 day 6 hours 16 minutes 20 seconds
Submissions: 851
Max Score: 50
Rate This Challenge:
```

```
Current Buffer (saved locally, editable) 🤌 🔨
                                                                               Python 3
    length = int(input())
    a = [int(x) for x in input().split()]
 2
    # print(a)
 4
   i = 0
 6 ▼while i < length - 1:
 7
        if a[i] < a[i + 1]:
 8
            i += 1
 9 ▼
        else:
10
            break
11 while i < length - 1:
12 '
        if a[i] == a[i + 1]:
            i += 1
13
14 ▼
        else:
15
            break
16 ▼while i < length - 1:
17
        if a[i] > a[i + 1]:
18
            i += 1
19 🔻
        else:
20
            break
```

```
21 vif i == length - 1:
    print("yes")
23 velse:
    print("no")
25

Line: 25 Col: 1

**Deployed Code as File** Test against custom input*

**Run Code** Submit Code**
```

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