Insertion Sort - Part 1

14 more points to get your next star!

Rank: **790819** | Points: **86/100**

Problem Solving

Problem **Submissions** Leaderboard

You made this submission 15 hours ago.

Score: 30.00 **Status:** Accepted

People who solved **Insertion Sort - Part 1** attempted this next:

Correctness and the Loop Invariant

How do you demonstrate the correctness of an algorithm? You can use the loop invariant.

Solve Challenge

Submitted Code

Language: Python 2 Open in editor

```
1 n = int(raw_input())
2 test = raw_input()
3 a = test.split()
4 val = a[n-1]
5 for i in range(n-2,-2,-1):
6     test=test.split()
7     if i == -1:
```

```
        test[i+1] = val
        break
    elif int(test[i])>int(val):
        test[i+1]=test[i]

    else:
        test[i+1] = val
        break
```

Test case 0

Test case 1

Test case 2

Test case 3

Compiler Message

Success

Input (stdin) Download

```
5
2 4 6 8 3
```

Expected Output Download

```
2 4 6 8 8
2 4 6 6 8
2 4 4 6 8
2 3 4 6 8
```