Insertion sort

Tue 5 MAR 2019

1 5 7 11 23 "+" 6

Where should we insert the new number "+"? ?

How? We want that the final list stays sorted

Ans: 1) is it smaller than...? starting from end

2) Use Binary search for asking 1)

Let's say we have a func insertionSort(arr, n) that can sort correctly N #'s. How would you sort N+1 #'s?

```
insertionSort(arr,n): {
    arr1 = arr(:N+1)   ← size N
    insertionSort(arr1, N)
    loop though arr1 &
        Insert arr[N+1]
```

HOMEWORK FOR TOMORROW:
Implement the function InsertSort(arr,n)