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Difficulty:

(Easy)

5709. Maximum Ascending Subarray Sum

My Submissions (/contest/weekly-contest-233/problems/maximum-ascending-subarray-sum/submissions/) Back to Contest (/contest/weekly-contest-233/) Given an array of positive integers nums, return the maximum possible sum of an ascending subarray in nums. User Accepted: 0 A subarray is defined as a contiguous sequence of numbers in an array. User Tried: 0 A subarray $[nums_1, nums_{l+1}, ..., nums_{r-1}, nums_r]$ is ascending if for all i where l <= i < r, $nums_i < nums_{i+1}$. Note that a subarray of size 1 is ascending. Total Accepted: 0 **Total Submissions:** 0

Example 1:

```
Input: nums = [10,20,30,5,10,50]
Output: 65
Explanation: [5,10,50] is the ascending subarray with the maximum sum of 65.
```

Example 2:

```
Input: nums = [10,20,30,40,50]
Output: 150
Explanation: [10,20,30,40,50] is the ascending subarray with the maximum sum of 150.
```

Example 3:

```
Input: nums = [12,17,15,13,10,11,12]
Output: 33
Explanation: [10,11,12] is the ascending subarray with the maximum sum of 33.
```

Example 4:

```
Input: nums = [100, 10, 1]
Output: 100
```

Constraints:

- 1 <= nums.length <= 100
- 1 <= nums[i] <= 100

```
∄ 2 •
JavaScript
   const mx = Math.max;
    const maxAscendingSum = (a) => {
2 •
3
        let n = a.length;
 4
        let res = 0;
        for (let i = 0; i < n; i++) {
5 ▼
 6 •
             for (let j = i; j < n; j++) {
                 let sub = a.slice(i, j + 1);
 7
 8٠
                 if (isAscending(sub)) {
9
                     let sum = sub.reduce((x, y) => x + y);
                     res = mx(res, sum);
10
11
                 }
12
            }
13
        }
14
        return res;
15
    };
16
17
18 v const isAscending = (arr) ⇒ {
        return arr.every((x, i) \Rightarrow {
19 ▼
20
             return i === 0 \mid \mid x > arr[i - 1];
21
        });
22
    };
```

Custom Testcase

Use Example Testcases

Run

Accepted (/submissions/detail/470386196/)

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