1800. Maximum Ascending Subarray Sum

Solved ●

Easy Topics Companies Hint

Given an array of positive integers `nums`, return the *maximum possible sum of an **ascending** subarray in* `nums`.

A subarray is defined as a contiguous sequence of numbers in an array.

A subarray $[nums_l, nums_{l+1}, ..., nums_{r-1}, nums_r]$ is **ascending** if for all i where $l <= i < r$, $nums_i < nums_{i+1}$. Note that a subarray of size 1 is **ascending**.

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.

Constraints:

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

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Yes No

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Hint 1

Hint 2

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