

SHORTEST CONTINUOUS UNSORTED SUBARRAY

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class Solution:
    def findUnsortedSubarray(self, nums: List[int]) -> int:
        n = len(nums)
        min_val, max_val = float('inf'), float('-inf')

        for i in range(n - 1):
            if nums[i] > nums[i + 1]:
                min_val = min(min_val, nums[i + 1])
        for i in range(n - 1, 0, -1):
            if nums[i] < nums[i - 1]:
                max_val = max(max_val, nums[i - 1])
        if min_val == float('inf'):
            return 0
        left, right = 0, n - 1
        while left < n and nums[left] <= min_val:
            left += 1
        while right >= 0 and nums[right] >= max_val:
            right -= 1
        return right - left + 1
```