

456. 132 Pattern

Description

Given an array of `n` integers `nums`, a **132 pattern** is a subsequence of three integers `nums[i]`, `nums[j]` and `nums[k]` such that `i < j < k` and `nums[i] < nums[k] < nums[j]`.

Return `true` if there is a **132 pattern** in `nums`, otherwise, return `false`.

Example 1:

Input: `nums = [1,2,3,4]`
Output: `false`
Explanation: There is no 132 pattern in the sequence.

Example 2:

Input: `nums = [3,1,4,2]`
Output: `true`
Explanation: There is a 132 pattern in the sequence: `[1, 4, 2]`.

Example 3:

Input: `nums = [-1,3,2,0]`
Output: `true`
Explanation: There are three 132 patterns in the sequence: `[-1, 3, 2]`, `[-1, 3, 0]` and `[-1, 2, 0]`.

Constraints:

- `n == nums.length`
- `1 <= n <= 2 * 105`
- `-109 <= nums[i] <= 109`

