Problem List ‹ › ⤨ 🐞 ▶ Run ☁ Submit ‹ ⏵ 00:55:57 ⟳ ▢

📄 **Description** 🕙 Accepted ✕ 🔲 Editorial 🧪 Solutions 🕙 Submissions 🐞 Debugger ✕

3231. Minimum Number of Increasing Subsequence to Be Removed `Premium`

Solved ✓

Hard   💡 Hint

Given an array of integers `nums`, you are allowed to perform the following operation any number of times:

- Remove a **strictly increasing** subsequence from the array.

Your task is to find the **minimum** number of operations required to make the array **empty**.

Example 1:

Input: nums = [5,3,1,4,2]

Output: 3

Explanation:

We remove subsequences `[1, 2]`, `[3, 4]`, `[5]`.

Example 2:

Input: nums = [1,2,3,4,5]

Output: 1

Example 3:

Input: nums = [5,4,3,2,1]

Output: 5

Constraints:

👍 3 👎 💬 0 ☆ ↗ ⊘