1827. Minimum Operations to Make the Array Increasing

Description

You are given an integer array `nums` (**0-indexed**). In one operation, you can choose an element of the array and increment it by `1` .

- For example, if `nums = [1,2,3]` , you can choose to increment `nums[1]` to make `nums = [1, 3 ,3]` .

Return *the* ***minimum*** *number of operations needed to make* `nums` ***strictly increasing*** .

An array `nums` is **strictly increasing** if `nums[i] < nums[i+1]` for all `0 <= i < nums.length - 1` . An array of length `1` is trivially strictly increasing.

Example 1:

```
Input: nums = [1,1,1]
Output: 3
Explanation: You can do the following operations:
1) Increment nums[2], so nums becomes [1,1, 2 ].
2) Increment nums[1], so nums becomes [1, 2 ,2].
3) Increment nums[2], so nums becomes [1,2, 3 ].
```

Example 2:

```
Input: nums = [1,5,2,4,1]
Output: 14
```

Example 3:

```
Input: nums = [8]
Output: 0
```

Constraints:

- `1 <= nums.length <= 5000`
- `1 <= nums[i] <= 10 4`