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] <= 104