Prime Subtraction Operation

You are given a **0-indexed** integer array nums of length n.

You can perform the following operation as many times as you want:

- Pick an index i that you haven't picked before, and pick a prime p **strictly less than** nums[i], then subtract p from nums[i].

Return *true if you can make nums a strictly increasing array using the above operation and false otherwise.*

A **strictly increasing array** is an array whose each element is strictly greater than its preceding element.

Example 1:

Input: nums = [4,9,6,10]

Output: true

Explanation: In the first operation: Pick i = 0 and p = 3, and then subtract 3 from nums[0], so that nums becomes [1,9,6,10].

In the second operation: i = 1, p = 7, subtract 7 from nums[1], so nums becomes equal to [1,2,6,10].

After the second operation, nums is sorted in strictly increasing order, so the answer is true.

Example 2:

Input: nums = [6,8,11,12]

Output: true

Explanation: Initially nums is sorted in strictly increasing order, so we don't need to make any operations.

Example 3:

Input: nums = [5,8,3]

Output: false

Explanation: It can be proven that there is no way to perform operations to make nums sorted in strictly increasing order, so the answer is false.

Constraints:

- 1 <= nums.length <= 1000
- 1 <= nums[i] <= 1000
- nums.length == n