

1290. Make Array Strictly Increasing

Difficulty : Hard

<https://leetcode.com/problems/make-array-strictly-increasing>

Given two integer arrays `arr1` and `arr2`, return the minimum number of operations (possibly zero) needed to make `arr1` strictly increasing.

In one operation, you can choose two indices $0 \leq i < arr1.length$ and $0 \leq j < arr2.length$ and do the assignment `arr1[i] = arr2[j]`.

If there is no way to make `arr1` strictly increasing, return `-1`.

Example 1:

Input: `arr1 = [1,5,3,6,7], arr2 = [1,3,2,4]`

Output: `1`

Explanation: Replace 5 with 2, then `arr1 = [1, 2, 3, 6, 7]`.

Example 2:

Input: `arr1 = [1,5,3,6,7], arr2 = [4,3,1]`

Output: `2`

Explanation: Replace 5 with 3 and then replace 3 with 4. `arr1 = [1, 3, 4, 6, 7]`.

Example 3:

Input: `arr1 = [1,5,3,6,7], arr2 = [1,6,3,3]`

Output: `-1`

Explanation: You can't make `arr1` strictly increasing.

Constraints:

- $1 \leq arr1.length, arr2.length \leq 2000$
- $0 \leq arr1[i], arr2[i] \leq 10^9$