167. Two Sum II - Input Array Is Sorted

- Given a 1-indexed array of integers numbers that is already sorted in non-decreasing order, find two numbers such that they add up to a specific target number. Let these two numbers be numbers[index1] and numbers[index2] where 1 <= index1 < index2 <= numbers.length.

- Return the indices of the two numbers, index1 and index2, added by one as an integer array [index1, index2] of length 2.

- The tests are generated such that there is exactly one solution. You may not use the same element twice.

- Your solution must use only constant extra space.

Example 1:

- **Input:** numbers = [2,7,11,15], target = 9

- **Output:** [1,2]

- **Explanation:** The sum of 2 and 7 is 9. Therefore, index1 = 1, index2 = 2. We return [1, 2].

Example 2:

- **Input:** numbers = [2,3,4], target = 6

- **Output:** [1,3]

- **Explanation:** The sum of 2 and 4 is 6. Therefore index1 = 1, index2 = 3. We return [1, 3].

Example 3:

- **Input:** numbers = [-1,0], target = -1

- **Output:** [1,2]

- **Explanation:** The sum of -1 and 0 is -1. Therefore index1 = 1, index2 = 2. We return [1, 2].

Constraints:

- $2 <= numbers.length <= 3 * 10^4$

- $-1000 <= numbers[i] <= 1000$

- numbers is sorted in non-decreasing order.

- $-1000 <= target <= 1000$

- The tests are generated such that there is exactly one solution.