Given two sequences pushed and popped **with distinct values**, return true if and only if this could have been the result of a sequence of push and pop operations on an initially empty stack.

**Example 1:**

**Input:** pushed = [1,2,3,4,5], popped = [4,5,3,2,1]

**Output:** true

**Explanation:** We might do the following sequence:

push(1), push(2), push(3), push(4), pop() -> 4,

push(5), pop() -> 5, pop() -> 3, pop() -> 2, pop() -> 1

**Example 2:**

**Input:** pushed = [1,2,3,4,5], popped = [4,3,5,1,2]

**Output:** false

**Explanation:** 1 cannot be popped before 2.

**Note:**

1. 0 <= pushed.length == popped.length <= 1000
2. 0 <= pushed[i], popped[i] < 1000
3. pushed is a permutation of popped.
4. pushed and popped have distinct values.