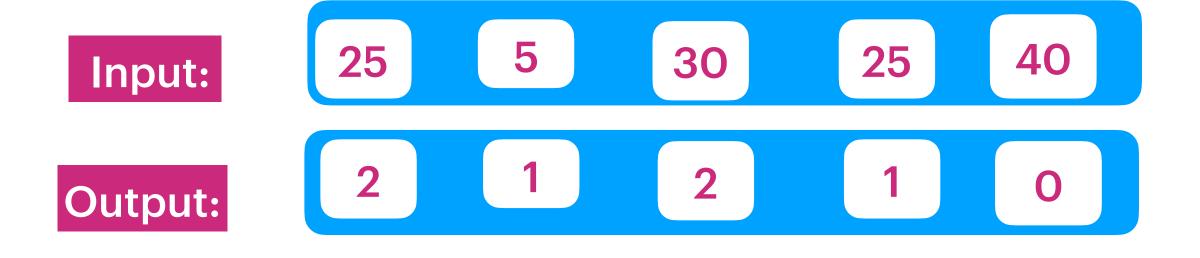
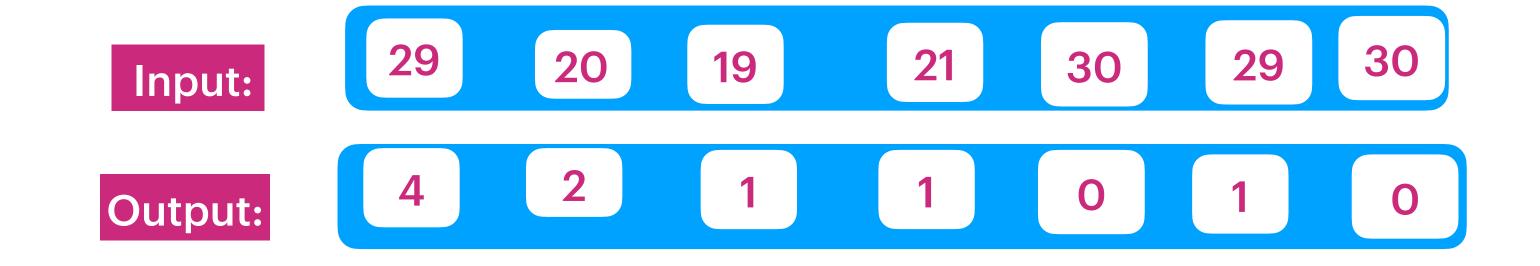
Daily Temperatures:

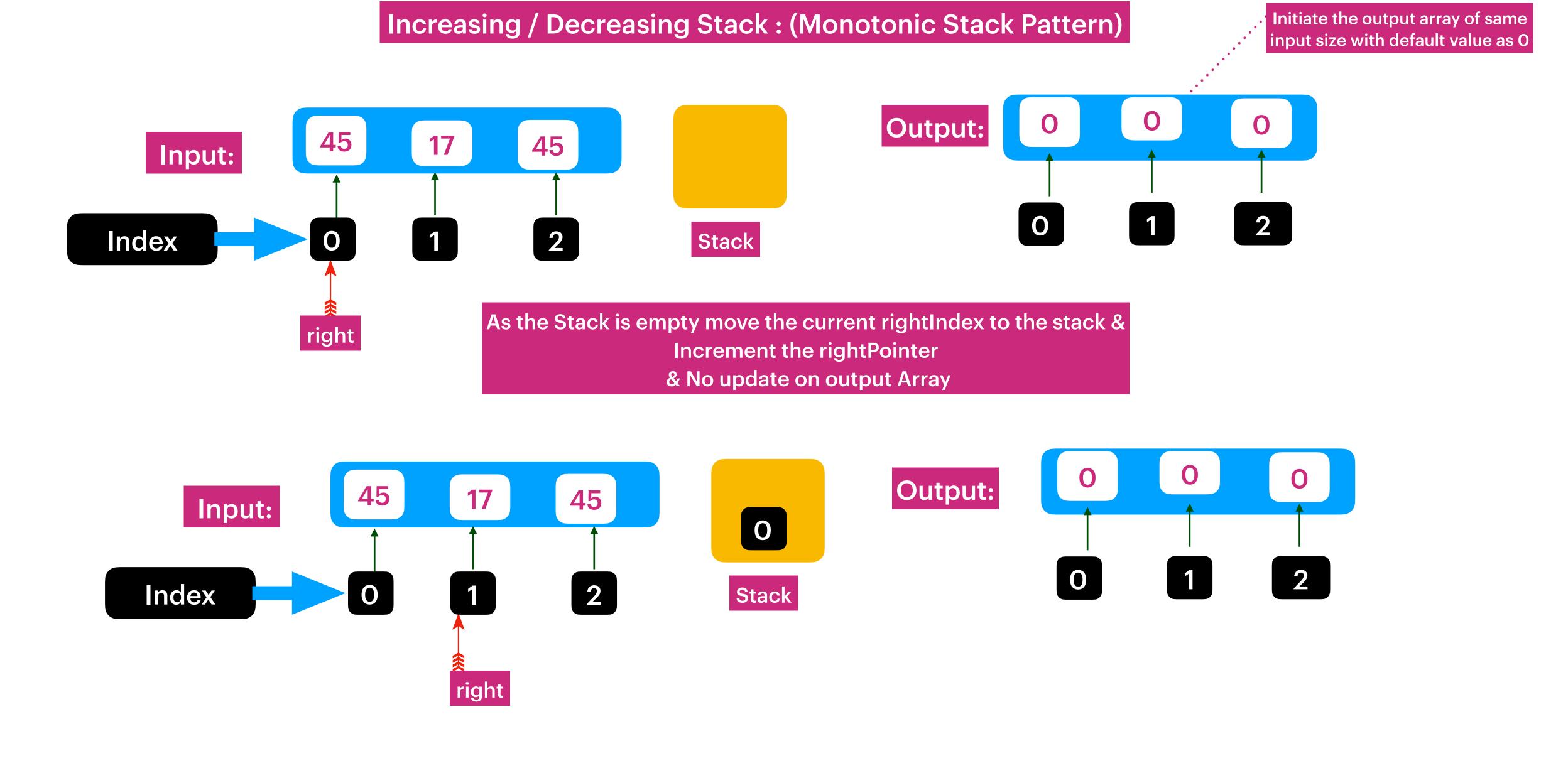
Given an input array with each day temperature, find the next warm day from current day.

If you don't find next warm day then put as zero.







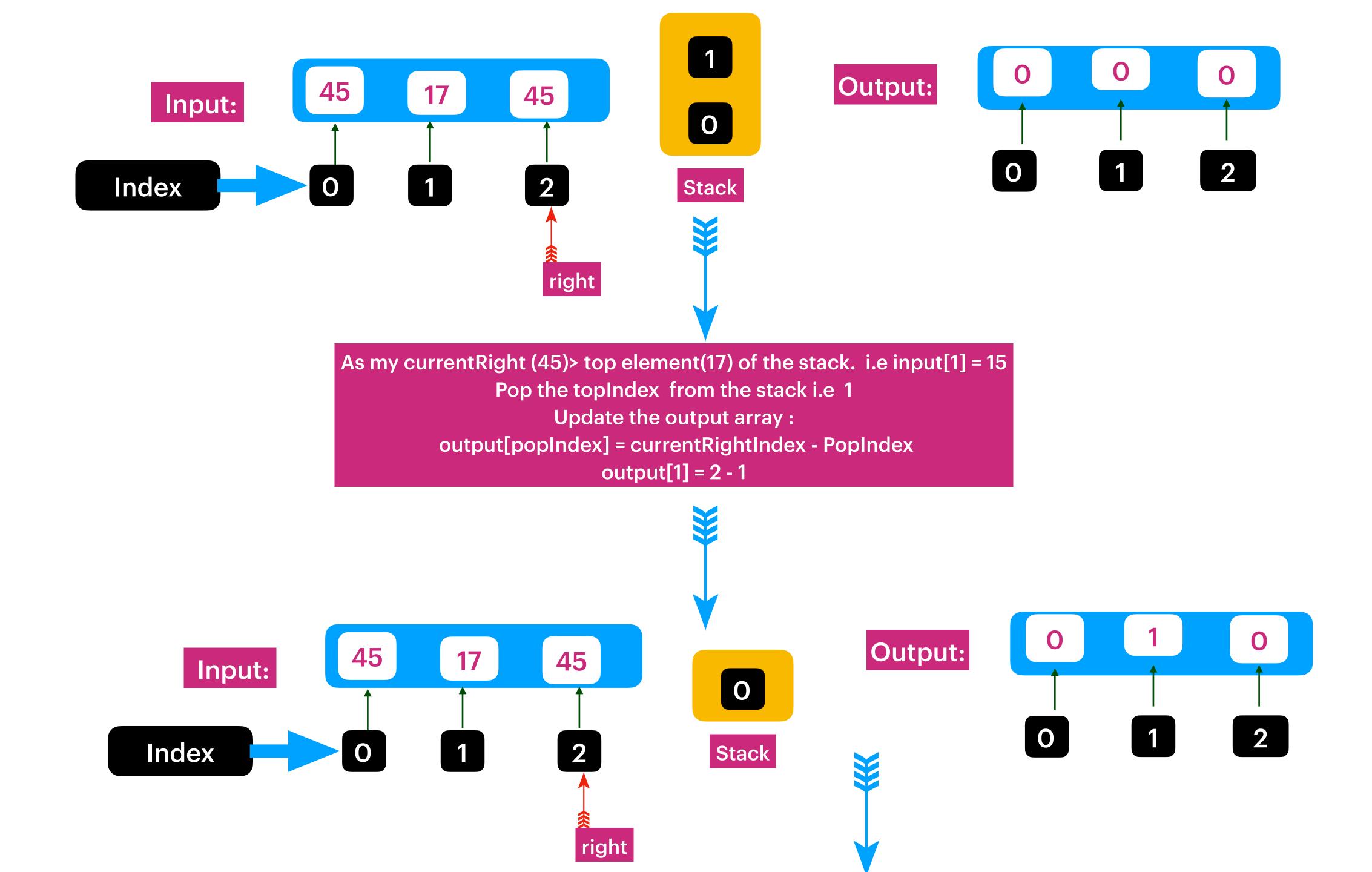


As my currentRight (17) index value is less than the top element(40) of the stack. i.e input[0] = 45

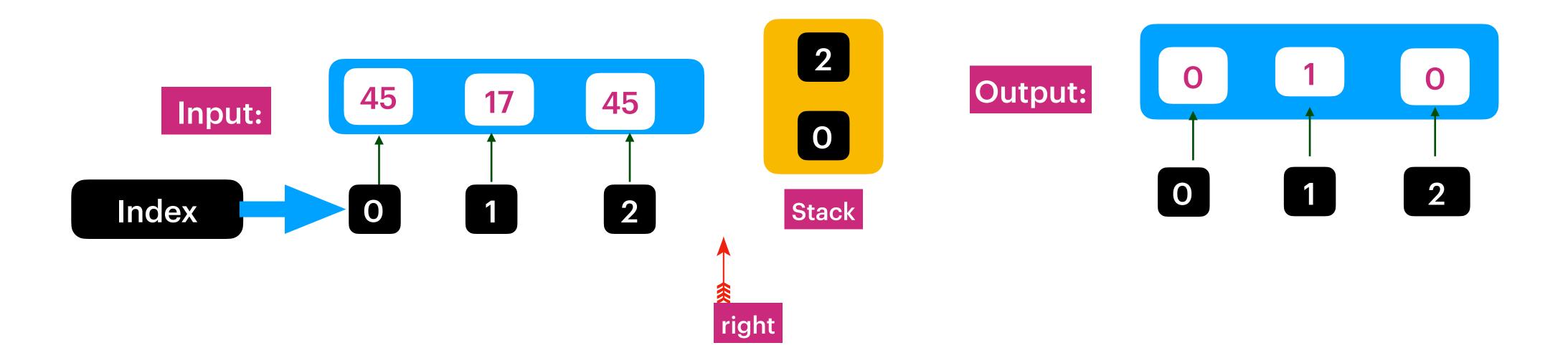
Push the currentRight Index to stack & Increment the rightPointer

& No update on output Array

right



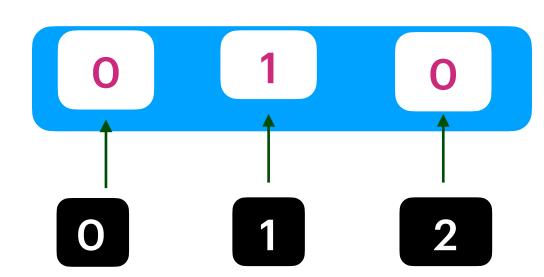
As my currentRight (45) is not greater than top element (45) of the stack. Push the current index to stack & increment the rightPointer.



Now rightPointer reaching out of array size so we can return OutPut Array i.e

In worst cast each character would be visited twice:

1) By rightPointer in forward direction
2) Through stack in backward Direction
So the TimeComplexity would be O(2n) = O(n)
Space Complexity: O(n)



Solution with Back Tracking, Its Math Solution, refer to the notes.