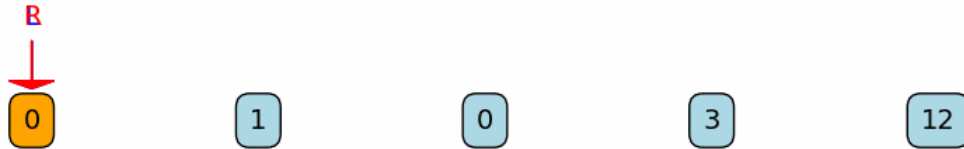# Two Pointers: Unidirectional Traversal

nums[0] = 0; no swap

```
def shift_zeros_to_the_end(nums: List[int])-> None:
    # The 'left' pointer is used to position non-zero elements.
    left = 0
    # Iterate through the array using a 'right' pointer to locate non-zero
    # elements.
    for right in range(len(nums)):
        if nums[right] != 0:
            nums[left], nums[right] = nums[right], nums[left]
            # Increment 'left' since it now points to a position already occupied
            # by a non-zero element.
            left += 1
```

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