# Buy Sell Stock

Leetcode: 121

This problem revolves around the sliding window approach to the algorithm.

## Constraints:

- We must buy before we sell
- Prices can equal 0.

## Solution Explanation

We will create two pointers pointing to a previous stock Price (left) and a following stock Price.

While the right pointer does not exceed the length of the list:

- if the price at the left pointer is less than the right pointer
  - take the max between this profit value and the current highest profit possible

- if the value at the left pointer is not less than the right pointer (else case)
  - shift the left pointer all the way to where the current right pointer is

Always shift right pointer to the right by one after every loop iteration

Return the maximum value found.