

## Maximizing Stock Profit with Two Pointer Technique

```
let prices = [7,1,5,3,6,4];
let prices2 = [2, 2, 5, 1, 0, 6, 1, 1];
let prices3 = [1, 2, 4, 2, 5, 7, 2, 4, 9, 0, 9];

function buySell(prices) {
  let i = 0;
  let j = 1;
  let maxDiff = 0;
  while (j < prices.length) {
    if (prices[i] > prices[j]) {
      i = j;
      j++;
    }
    if (prices[i] === prices[j]) {
      j++;
    } else if (prices[i] < prices[j]) {
      maxDiff = Math.max(maxDiff, prices[j] - prices[i]);
      j++;
    }
  }
  return maxDiff + "check max";
}

//console.log(buySell(prices))
console.log(buySell(prices));
```