Q5: This code can be expand to like this.

```
for ( j= 1 to n ] {
    for ( i =1 to j ) {
        funds [j] = funds [j-i] + price[i] + boo[j] )
}
```

$$T(n) = \sum_{j=1}^{n} \sum_{i=1}^{j} Cj^2$$

$$= \sum_{j=1}^{n} C j^3$$

$$= C \cdot \sum_{j=1}^{n} j^3$$

$$\sim~~~~~ \leq C \cdot n \cdot n^3 = C \cdot n^4 = O(n^4)$$