

**Ricardo Nunes - NYU Fall'16**

**Data Structure 12/06 - Review   Topics to be aware of**

- i) Selection Sort
- ii) Insertion Sort
- iii) Bubble Sort
- iv) Worst case  $\Omega(n^2)$  and  $O(n^2) \Rightarrow \Theta(n^2)$

**Not wrong:**  $O(n) + O(n^2) = O(n^3)$  Since  $O(n) \leq c_1.n$  and  $c_2.n$