

(Duffo # 9719)

Masalah: Bambang bekerja di toko kue yang menjual muffin. Bambang disuruh menyortir muffin yang terjual dalam seminggu mulai dari yang terjual terdikit, dalam seminggu terjual (15, 17, 10, 5, 20, 12, 16)

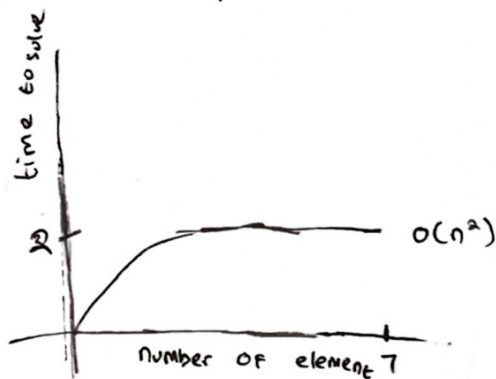
Insertion Sort:

Worst Case: (15, 17, 10, 5, 20, 12, 16) $O(n^2)$

Pseudocode:

1. Look at the 7 Selled muffin count
2. Set a mark on the first element
3. Move the mark to the next element
4. If the next Element $<$ Previous element
5. Swap the smaller element to the left
6. Else
7. don't swap
8. Go Back to Line 3
9. If Numbers are Sorted
10. Quit

Plot Complexity:



Bubble Case

Worst case (15, 17, 10, 5, 20, 12, 16)

Pseudocode:

1. Look at the 7 Selled muffin count
2. Set a mark on first two elements
3. If one of the elements is smaller than the other selected elements, swap the elements
4. else,
5. done swap
6. else if the selected markers have done the swap, move the marker to the next element
7. If marker reaches the end
8. Go Back to line 2

Plot Complexity:

