ENSF 338 Lab 3

Group 35

Exercise 3

Exercise 1

1. Derive the formulas for (i) number of comparisons, and (ii) average-case number of swaps for bubble sort [0.4 pts]

**Answer**:

Exercise 4

4. Separately plot the results of #comparisons and #swaps by input size, together with appropriate interpolating functions. Discuss your results: do they match your complexity analysis? [0.2 pts] **Answer**: