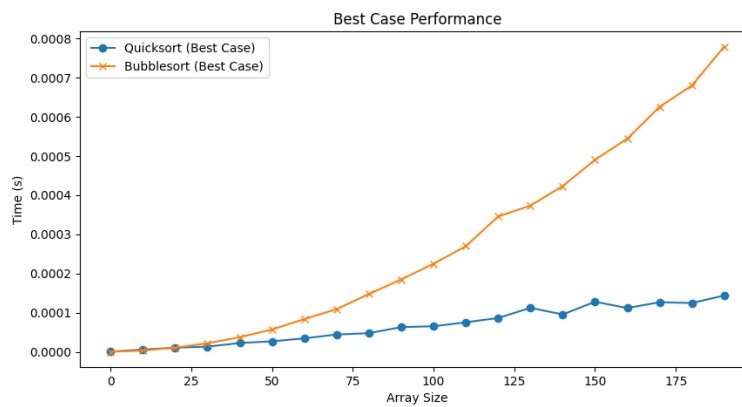
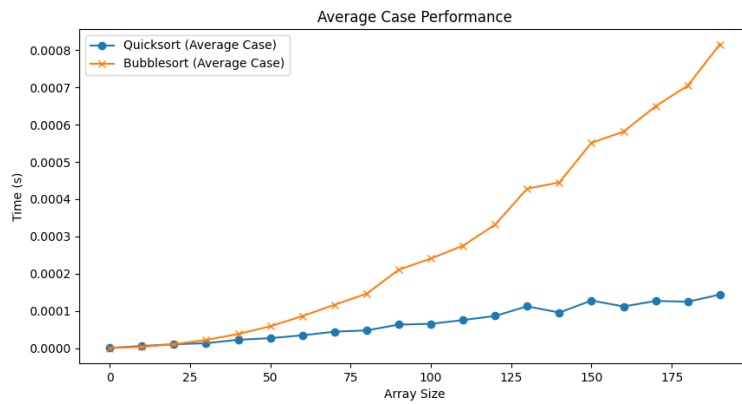
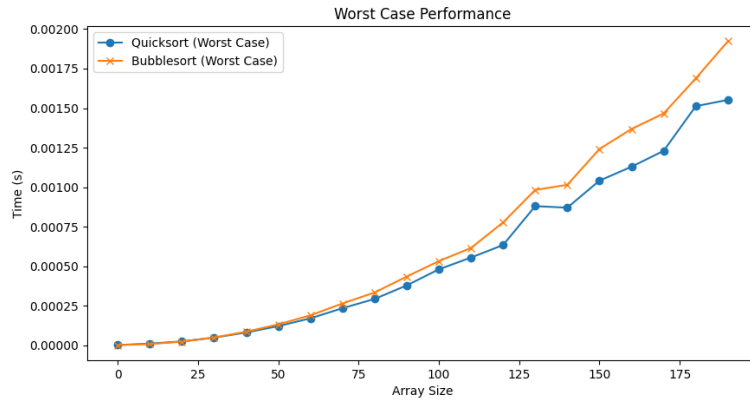


## ENSF 338 L03 Exercise #2 Group 7

### Question 3:



**Question 4:**

The best threshold based off the graphs for determining what input size is “small” or not, we must look at where bubble sort starts lagging quicksort is roughly at array sizes of 30 where we start to see the bubble sort lag in both the best and average case scenario. The worst-case scenario is not as important for comparison here as it is roughly similar to quicksort for a good chunk of array sizes past 30.