Performance Analysis

O(n^2), within my version of SortOfSort, there are no nested for loops, and 1 while loop.

The non-repeating instruction is assigning the default int’s for the counters and holder variables.

5 + 0 \* n

The repeating instruction is to go throughout the array to find the largest within a given area. Swap around the int’s and then increment counters.

5 + 7\*n

This is done 4 times before being repeated by the while loop.

5 + 28 \* n

SortLeft and SortRight take the same time to complete but differ in what side of the array they modify and counter they use. That’s why 4 \* 7 \* n instead of 2 \* 7 \* n

28 \* n is then done repeatedly until the array is SortOfSorted from the while loop

So, 5 + n(28 \* n)