

Lab IV: Counting Comparison

Implement Insertion Sort Recursively

How many comparisons between the array elements are actually made and how many are expected?

Implement Insertion Sort Iteratively

How many comparisons between the array elements are actually made and how many are expected?

Test Both Versions Counting Comparisons

- A. when the input data is in ascending order
 - B. when the input data is in descending order
 - C. when the input data is random
-
- Use a function to fill the array and a function to print out the array (we suggest that you make the functions general enough so that you can use them in your Assignment).
 - We suggest you use a global variable to count the number of comparisons.
 - You may use the source code given in class but you **may** have to re-write it to put the counter in the right place. Cite that it is code given in class.
 - You may use the code from the textbook if you prefer. But again, cite that it is from the textbook