

CSCI 115 Algorithms and Data Structures:

Lab 02: Complexity, Recurrence Relations

In order to understand complexity, implement functions that return the number, or a procedure that takes a parameter as input

- Implementation of factorial with loops
 - With “for loop”
 - With “while loop”
 - With recursion
- Implementation of Fibonacci with loops
 - With “for loop”
 - With “while loop”
 - With recursion
- Find an implementation of the Hanoi Tower
 - Recursively
 - Non-recursively