

CISC 2210 – Introduction to Discrete Structures

Reading Assignment: Recursion

- Read the first half of section 2.4 (pages 167–171) “Solving Recurrence Relations” from the book “Discrete Mathematics An Open Introduction, by Oscar Levin.
 - <http://discrete.openmathbooks.org/pdfs/dmoi-tablet.pdf>
 - http://discrete.openmathbooks.org/dmoi2/sec_recurrence.html
- Read section 9.1 (pages 549–554) “The Tower of Hanoi Problem” from the book “Discrete Mathematics for Computer Science, by Gary Haggard, John Schlipf, and Sue White-sides.
 - <http://www2.cs.uh.edu/~arjun/courses/ds/DiscMaths4CompSc.pdf>
- Study the basics and then read as much as you wish or can about the Fibonacci numbers and the Golden ratio.
 - <https://www.mathsisfun.com/numbers/fibonacci-sequence.html>
 - <https://plus.maths.org/content/life-and-numbers-fibonacci>
 - https://en.wikipedia.org/wiki/Fibonacci_number
 - <http://www.maths.surrey.ac.uk/hosted-sites/R.Knott/Fibonacci/fib.html>
- Watch all or some of the following videos about the fibonacci sequence.
 - <https://www.youtube.com/watch?v=sjQlW6cH3Ko>
 - <https://www.youtube.com/watch?v=ZC-d4dKTyKw>
 - <https://www.youtube.com/watch?v=SjSHVDfXHQ4>
 - <https://www.youtube.com/watch?v=uk6CLffEuZM>