Dynamic Programming Technique
*Discussion on recursive, iterative and memorization techniques using Fibonacci numbers example in terms of run time
Optimization Problems
1. Coin Row Problem
2. Coin change Problem.
Anany chapter 8: 8.1
Dynamic Programming Technique
3. Rod Cutting Problem
Cormen chapter 14: 14.1
4. Knapsack Problem*
Anany chapter 8: 8.2
5. Matrix chain Multiplication
Cormen chapter 14: 14.2

Greedy Technique
1. Huffman Codes and its Analysis
Cormen chapter 15: 15.2 15.3
*Overview of Graph Trees and Spanning Trees
1. Graph Algorithms
    a. Breadth First Search
    b. Depth First Search
Cormen chapter 20: 20.2 20.3
2. Minimum Spanning Tree
    a. Prims Algorithm and its Analysis
    b. Kruskal Algorithm and its Analysis
Cormen chapter 21: 21.2
3. Single Source Shortest Path (Dijkstra Algorithm)*
Cormen chapter 22: 22.3