UCS415 – Design and Analysis of Algorithms

Lab Assignment 7

Write a program to implement the following using dynamic programming approach:

- Longest Common Subsequence

  https://www.geeksforgeeks.org/longest-common-subsequence-dp-4/

- Matrix Chain Multiplication

  https://www.geeksforgeeks.org/matrix-chain-multiplication-dp-8/

- 0/1 Knapsack Problem

  https://www.geeksforgeeks.org/0-1-knapsack-problem-dp-10/

- Optimal Binary Search Tree

  https://www.geeksforgeeks.org/optimal-binary-search-tree-dp-24/