CSC 421  
Fall, 2011  
Assignment 5  
Due: 11:59pm CT, Friday, November 4th

The numbered problems and exercises are in the textbook. Problem $n$-$k$ is the $k^{th}$ problem at the end of chapter $n$. Exercise $n.m$-$k$ is the $k^{th}$ exercise at the end of section $n.m$.

Problem 15-1 (20 points) You only need to come up with a pseudo-code solution. You don’t have to implement it (unless you’d like to).

Exercise 15.4-1 (5 points)

Exercise 15.4-5 (15 points)

Program LCS. (30 points) Implement a solution to the longest common subsequence problem. The input contains two lines, each containing a string of characters. The output should be the length of the LCS of the two strings and a common subsequence of that length.