CS350 – Lab 5
Due Date: March 7

Purpose: Computer scientists use reductions (using one problem to solve another problem) to show that a problem is hard. The purpose of this lab is for you to use reductions to show that problems are uncomputable.

Knowledge: This lab will help you become familiar with the following content knowledge:

- How to determine what information a reduction gives us.

- How to use reductions to show problems are uncomputable.

Task: Follow the steps in this lab carefully to complete the assignments.

Assignment 1:
Complete exercise 7.4 on p140 in the text.

Criteria for Success: For each of the three cases, you need to explain what you can deduce about problems F,G, and D. Also clearly explain if you can not deduce anything about any of the problems.

Submit your written answers in Canvas or on paper for grading.