ECE 3484 - Combinatorial Optimization - Problem Set #4

- Solve the following problems from Chapter 29 of Cormen (2nd edition): 1-4, 1-6, 1-7.

- From Chapter 29 of Cormen, solve problems 3-4 and 3-5:
  1. using the graphical technique,
  2. using the simplex algorithm by hand, and
  3. using the CPLEX software.

  For CPLEX results, turn in your LP formulations and a trace of the output showing the solution.

- Solve the following problems in Hillier, Chapter 12: 1-2, 3-9, 5-1, 5-2, 5-6, and 5-7. When a question asks you to use the "automatic routines", that means use CPLEX to solve the ILP problem. When a question asks you to "solve a problem interactively", that means use the branch and bound technique with the help of the CPLEX LP solver.