Homework Assignment #8

Posted on Friday, 5/20/2016.
Due 10PM, Monday, 5/30/2016.

1. (20 points) Exercise 34.2-1.

2. (20 points) Exercise 34.2-8.

3. (20 points) Problem 34-3 parts a, b, and c.

4. (40 points) Prove the following reductions. Do not cite the NP-completeness of any problem. Also do not cite the transitivity of polynomial-time reducibility.

    a) Hamiltonian Cycle ≤ CNF-SAT.
    b) Hamiltonian Cycle ≤ 01-LP.