CS180 - Homework 3

LATEST due date: Thursday 10/25 at 9:59AM

Late homeworks will NOT be accepted. Mailbox drop-off, electronic submissions and other methods are not acceptable.

Reminder: Midterm is on Tuesday October 30th (in class; 90 minutes; closed book/notes)

1. Exercise 10 Page 110
2. Exercise 11 on Page 111
3. Exercise 2 on page 189
4. Exercise 4 on page 190
5. Exercise 7 on page 191
6. a. Can you design an algorithm that finds the longest path in a directed graph (DG)? (in a path you can use an edge at most once)? If yes, describe the algorithm and analyze its time complexity.
   b. Can you design an algorithm that finds the longest path in a directed acyclic graph (DAG)? (in a path you can use an edge at most once)? If yes, describe the algorithm and analyze its time complexity.