Dynamic Programming Assignment

Do the following problems from the Hillier & Lieberman textbooks. Please disregard the specific instructions in the textbook and follow the instructions below. Turn your assignment in electronically to Blackboard.

1. Problem 10.2-3. Use the project management data from this problem and solve the problem using the notation we used in class or an Excel spreadsheet as we did in class. Show all your work. Indicate in your solution (i) the nodes in the longest, critical path, and (ii) how much time it requires.
2. Problem 10.3-4. Solve this problem using the notation from class or use an Excel spreadsheet as we did in class. Include a drawing of the problem with your solution. Show all your work.   Indicate in your solution how many ads the candidate should purchase in each Area and how many additional votes that optimal decision will yield based on the forecast.

Extra Credit:

Write a Python program to solve one of the two problems above.