Advanced Operations Management

Fall 2005, Professor Eckstein

Homework 7

Due Thursday, November 17

1. Problem 2, page 245 of the text. Solve by hand or by spreadsheet or via a computer program in any language.
   - If doing the problem by hand, show your work.
   - If using a spreadsheet, hand in both a values and a formulas version of your spreadsheet. Make sure both printouts have their gridlines and row/column headings (A,B,C,... and 1,2,3,...) showing.
   - If using a program, hand in printouts of both the source code and the output.

2. Problem 1, page 257 of the text. For this problem, do not try to solve anything; just write down the algebraic non-discounted and discounted recursions you would use.

3. Problem 3, page 280 of the text. Solve by hand or by spreadsheet or via a computer program in any language. Remember that a “solution” to this problem consists of a production amount for the first period and recommended production amount for each inventory level that might be encountered in every subsequent period.
   - If doing the problem by hand, show your work.
   - If using a spreadsheet, hand in both a values and a formulas version of your spreadsheet. Make sure both printouts have their gridlines and row/column headings (A,B,C,... and 1,2,3,...) showing.
   - If using a program, hand in printouts of both the source code and the output.