Assignment 8

1. Page 568 (Jain)

   (a) Problem 33.1

   (b) Problem 33.2

   (c) Problem 33.3

   (d) Problem 33.4

2. Page 568 (Jain)

   (a) Problem 33.5

   (b) Problem 33.6

   (c) Problem 33.7

3. Page 591 (Jain). Problem 34.1.

4. Refer to the handout on "Operational Laws and Mean Value Analysis". On page 12-13, in the example problem, Mean Value Algorithm was used to compute performance parameters of a closed system (refer to Figure 32.8 in Jain's text book). In the example, calculations for iterations 1 and 2 are shown, that is ($N = 1$ and $N = 2$).

   This example is also Example 34.2 (pages 477-479) of Raj Jain's textbook

   Your assignment is to show calculations for iterations $N = 3$, and $N = 4$. Check your calculations against the computations in the EXCEL file mailed to you. Its name is Example_34.2.xls (EXCEL spreadsheet).

   To get full credit, show all your computations.

   Answers: See the EXCEL spread-sheet.