

## Solution to Problem 5.9

This network has the following solution.

For $Q_1$	Mean Queue Length = 1.35423 Mean Waiting Time = 1.16726 Mean Throughput = 0.62486 Visit Ratio = 1
For $Q_2$	Mean Queue Length = 0.43878 Mean Waiting Time = 0.40443 Mean Throughput = 0.312428 Visit Ratio = 0.5
For $Q_3$	Mean Queue Length = 1.35423 Mean Waiting Time = 2.33452 Mean Throughput = 0.312428 Visit Ratio = 0.5
For $Q_4$	Mean Queue Length = 2.85276 Mean Waiting Time = 4.5221 Mean Throughput = 0.4374 Visit Ratio = 0.7