

### Solution to Problem 5.8

This network will have the following solution

For $Q_1$	Mean Queue Length = 0.52671 Mean Waiting Time = 0.014368 Mean Throughput = 12.4318 Visit Ratio = 1
For $Q_2$	Mean Queue Length = 0.52671 Mean Waiting Time = 0.0205256 Mean Throughput = 8.7023 Visit Ratio = 0.7
For $Q_3$	Mean Queue Length = 4.9466 Mean Waiting Time = 1.58949 Mean Throughput = 2.48636 Visit Ratio = 0.2