EE3009 Tutorial 9 (Solution)

Problem 1

L/R = 10 kbits / 10 Mbps = 1 msec.

- a) Maximum utilization = 10 * (1 msec) / (24 msec. + 1 msec) = 0.4
- b) Maximum utilization = 20 * (1 msec) / (24 msec. + 1 msec) = 0.8
- c) Since wL/R > (RTT + L/R), maximum utilization = 1

Problem 2

