

Project2 Report

1 PART 1

a).

if the arrival number of packets is bigger than B, then the packet loss happens.

$$P_d = 1 - \sum_{i=0}^B \pi_i \tag{1.1}$$

$$= 1 - \sum_{i=0}^B \left(1 - \frac{\lambda}{\mu}\right) \left(\frac{\lambda}{\mu}\right)^i \tag{1.2}$$

b).simulation code

c).tables

2 PART 2