

$$E[T] = \frac{1}{\mu - \lambda} = \frac{\frac{L}{C}}{1 - \rho} \quad P_B = \frac{(1 - \rho)\rho^N}{1 - \rho^{N+1}}$$

Where μ = Average Service Rate, λ = Average Arrival Rate, C = Capacity, L = Average Packet Length