Problem 3-1

Q more cost - effective?

Example 3.2, $\lambda = 2$. part/h.

Solution cost (1) = 100 + L1 - 1

 $L_1 = \frac{\lambda'}{\mu_1 - \lambda'} = \frac{2}{10 - \lambda} = \frac{1}{4} = 0.25$

cost (1) = 0.5 + 0.25 = \$ 0.75 /h

(034/2) = 180 +L2.1

 $L_{2} = \frac{\lambda'}{\mu_{2} - \lambda'} = \frac{2}{20 - 2} = \frac{1}{9}$

cost(2) = \$ 1.0111/h.

1st system is more cost-effective.