$$MS = .0755$$

$$\int = .75$$

$$10 \times .075 = .75$$

$$\frac{.075}{1-.75}$$
 $\mathbb{R}=.3$

$$\frac{6}{1-.75}$$
 $\frac{.75}{Q=3}$

$$8 \over Q-9 = 2.25$$

10 .10

5= 0.1-18

R = S 1-9

2s = 0.1 5=.05

Real Ultimate Power

Single queue a full power

$$\int_{-\frac{1}{\mu}}^{2} \frac{\lambda}{\mu} = \frac{1}{1-\beta}$$

$$\overline{R} = \frac{5}{1-\beta}$$

$$\overline{R} = \frac{5}{1-\beta}$$

Multiple guenes @ 1/4 power

$$P = \frac{\lambda}{M} \quad \overline{S} = \frac{k}{M} \quad \overline{R} = \frac{\overline{S}}{1-p}$$

If k=1 they'd be equal. If k>1, the single gueve at full power will have lower residency time.