

$$P(R=1) = P(R>1)$$
  
=  $1 - F_R(1-m)$   
=  $e^{-\lambda(1-m)}$ 

$$P(R)x) = 1 - F_R(x-m)$$

$$m(x(1) = e^{-R(x-m)}$$

$$\frac{P(L=0) = P(L<0) = 1 - F_{L}(m)}{= 1 - 1 + e^{-\lambda m} = e^{-\lambda m}}$$

$$= 1 - 1 + e^{-\lambda m} = e^{-\lambda m}$$

$$= e^{-\lambda (m-x)}$$

WE EXPECT 
$$N \rightarrow \infty$$
  $E[R] \rightarrow m$   $E[L] \rightarrow m$   $E[R-L] \rightarrow 0$ 

AS 
$$\Lambda \rightarrow 0$$
  $E[R] \rightarrow 1$   
 $E[L] \rightarrow 0$   
 $E[R-L] \rightarrow 1$