$$\begin{split} P[N(t+s)-N(s)&=n]=e^{-\lambda t}\frac{(\lambda t)^n}{n!}\,,\quad n=0,1,\dots\\ p(x)&=P(W_q\leq x)=1-\frac{\lambda}{\mu}e^{-(\mu-\lambda)x}\\ \overline{W}_q&=\frac{\lambda}{\mu(\mu-\lambda)}\\ \hat{\mu}_M&=\frac{\overline{W}_q\lambda+\sqrt{(\overline{W}_q\lambda)^2+4\overline{W}_q\lambda}}{2\overline{W}_q}\\ \hat{p}_M(x)&=1-\frac{\lambda}{\hat{\mu}_M}e^{-(\hat{\mu}_M-\lambda)x}\,,\quad 0\leq \hat{p}_M(x)\leq 1\ \ \text{if}\ \lambda<\hat{\mu}_M\\ (\hat{p}_M(x),x)\\ (p(x),x)\\ \hat{\mu}_R&=\hat{a}c+\hat{b}\lambda\\ \left(\frac{\lambda}{c},\frac{\hat{\mu}_M}{c}\right)\\ (\hat{p}_R(x),x)\\ \hat{p}_R(x)&=1-\frac{\lambda}{\hat{a}c+\hat{b}\lambda}e^{-(\hat{a}c+\hat{b}\lambda-\lambda)x}\,,\quad \lambda<\hat{\mu}_R \end{split}$$

$$0 \leq p \leq 1, \quad 0 \leq \frac{\lambda}{\hat{a}c + \hat{b}\lambda} \leq 1$$

$$p = 1 - \frac{\lambda}{\hat{a}c + \hat{b}\lambda} e^{-(\hat{a}c + \hat{b}\lambda - \lambda)x}$$

$$\frac{\lambda}{\hat{a}c + \hat{b}\lambda} e^{-(\hat{a}c + \hat{b}\lambda - \lambda)x} = 1 - p$$

$$\frac{\lambda}{1 - p} e^{\lambda x - (\hat{a}c + \hat{b}\lambda)x} = \hat{a}c + \hat{b}\lambda$$

$$\frac{\lambda}{1 - p} e^{\lambda x} = (\hat{a}c + \hat{b}\lambda) e^{(\hat{a}c + \hat{b}\lambda)x}$$

$$\frac{\lambda x}{1 - p} e^{\lambda x} = (\hat{a}c + \hat{b}\lambda) x e^{(\hat{a}c + \hat{b}\lambda)x}$$

$$W_0 \left(\frac{\lambda}{1 - p} e^{\lambda x}\right) = (\hat{a}c + \hat{b}\lambda) x$$

$$c_R := \frac{1}{\hat{a}x} \left\{W_0 \left(\frac{\lambda x}{1 - p} e^{\lambda x}\right) - \hat{b}\lambda x\right\}$$

$$c \approx c_R$$