Ejenado 1

$$\begin{array}{c|c}
O & 11_{(n=0)} \\
1/3 & 11_{(n=1)} \\
\hline
\left(\frac{2}{3}\right)\left(\frac{e^{-\lambda}\lambda^n}{n!}\right) & 11_{(n=a)} \\
1-\sum_{n=0}^{\infty}e^{-\lambda}\lambda^n \\
+ n=0 & k!
\end{array}$$

$$\Rightarrow \left(1 - \sum_{k=15}^{100} \left(\frac{100}{5}\right) \frac{1}{3} n \left(\frac{2}{3}\right)^{100-n}\right)$$

REDISTRIBUYENDO
$$\frac{Po(n|x)}{1-\sum_{i=1}^{\infty}Po(n|x)} = \frac{e^{-\lambda}\lambda^{n}/n!}{1-\sum_{k=1}^{\infty}e^{-\lambda}\lambda^{k}}$$

$$O(N_{+}=n) = \begin{cases} (1-\frac{100}{2})^{n}(\frac{2}{3})^$$

conditionamos la binomial n>15

$$\frac{\binom{100}{n} \frac{1}{3} (1 - \frac{1}{3})^{100 - n}}{(1 - \sum_{k=0}^{14} \binom{100}{k} 0^{k} (1 - 0)^{100 - k})}$$

$$9n = \left(1 - \sum_{k=0}^{15} \frac{e^{-\lambda} \lambda^{k}}{k!}\right) \cdot \left[\frac{\binom{100}{n}}{1 - \sum_{k=0}^{14} \binom{100}{k}} \frac{1}{3} \binom{2}{3} \binom{100}{n} \binom{1}{100} \binom{100}{n} \binom{100}{100} \binom{100}{100}$$

$$Q(N_{t}=n) = \begin{cases} e^{-\lambda} \cdot \frac{\lambda^{n}}{n!} & \text{11 } 1n \leq 157 \\ (1 - \sum_{k=0}^{15} e^{-\lambda} \frac{\lambda^{k}}{k!}) \left(\frac{\binom{100}{3} \frac{1}{3} \binom{2}{3} \binom{100-n}{3} \binom{100}{3} \binom{100-n}{3} \binom{100}{3} \binom{100-n}{3} \binom{100-n}{3} \binom{100}{3} \binom{100}{3}$$