Policion diary:
$$p(y)(x) = \frac{e^{-\lambda}\lambda^{y}}{3!}$$

So,
$$D = \frac{x^{4}}{y!}$$
 $e^{0y} - x$
 $N = 0$
 $a(n) = x$
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$$p(y; \lambda) = \exp(\log(\frac{e^{-\lambda}\lambda^{y}}{y!})$$

$$= \frac{1}{3!} e^{-\lambda + y \log \lambda} - \frac{\log y!}{2!}$$

$$= \frac{1}{3!} e^{-\lambda + y \log \lambda} - \frac{\log y!}{2!}$$

So,
$$b(y) = |y|$$

 $T(y) = y$
 $N = log \lambda$ $\Rightarrow \lambda = e^{n}$
 $a(n) = \lambda = e^{n}$
Canonical response function

Design chair for Will

[lexample
$$L(0) = \log (|p(y^{(i)}| | 2^{(i)}, 0))$$
 $= \log (|p(y^{(i)}| | 2^{(i)}, 0))$
 $= \log (|p(y^{(i)}| 2^{(i)}, 0))$
 $= \log$

$$= \log \left(\log^{3} \exp \left(n^{T} T_{y}^{(i)} - \alpha y^{(i)}\right)\right)$$

$$= \log \left[\frac{1}{2} \log \left(1 + \frac{1}{2} \log \left(1 + \frac{$$

from Ass (ii)
$$h(x) = E[y|x] = \lambda = n = e^{\theta^T x}$$

$$\frac{1}{2}(0) = 0 + x_{0}^{(i)}(0) - \frac{1}{2}(0) + x_{0}^{(i)}(0) + x_{0}^{($$

0; + x \(\frac{1}{2} (\frac{1}{2}) - \frac{1}{2} \chi^{(1)} \chi^{(1)} \) D1 =