## 打放某 Pdf 多份 $P(x;\theta) = \exp[A(\theta)B(x) + C(x) + D(\theta)]$

## PDFLL

a Forth 
$$T(x, p) = \frac{1}{\sqrt{2\pi\delta^2}} \exp\left(-\frac{x^2 - 2px + p^2}{2\delta^2}\right)$$

$$= \exp\left[\frac{p\pi}{\delta^2} - \frac{x^2}{2\delta^2} - (\frac{p^2}{2\delta^2} + \ln\frac{1}{\sqrt{2\pi}})\right]$$

$$A(p)B(x) C(x)$$

$$\begin{array}{lll}
b & \sqrt{h} & \sqrt{h} & \sqrt{h} & \sqrt{h} & \sqrt{h} & \sqrt{h} \\
& = & \exp\left[-\frac{1}{2}\frac{\pi^2}{\delta^2} + \ln \pi u(\pi) - \ln \delta^2\right] \\
& + \left(\delta^2\right) \beta(\pi) & C(\pi) & \sqrt{h} & C(\pi)
\end{array}$$

$$C \quad JA \stackrel{?}{>} \chi \quad p(x; \lambda) = \lambda e^{-\lambda x}$$

$$= e^{x} p \left[ -\lambda^{x} + \ln u(x) + \ln \lambda \right]$$

$$= A(\lambda) B(x) \quad C(x) \quad \Rightarrow (\lambda)$$

## 充的门里

$$T(x;0) = \prod_{n=0}^{N-1} e^{A(0)\beta(x(n)) + C(x(n))} + D(0)$$

$$= e^{A(0)\beta(x(n)) + ND(0)} = \sum_{n=0}^{\infty} C(x(n))$$

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お海へして

$$P(x;\theta) = \exp[A(\theta)B(x) + C(x) + D(\theta)]$$

$$P(x;\theta) = \prod_{n=0}^{N-1} e^{A(\theta)B(x(n))} + C(x(n)) + D(\theta)$$

$$(x_{i},y_{i},y_{i}) = \prod_{n=0}^{N-1} e^{A(\theta)B(x(n))} + C(x(n)) + D(\theta)$$

$$\frac{dA(\theta)}{d\theta} = \sum_{n=0}^{N-1} B(x(n)) + N \frac{dD(\theta)}{d\theta} = 0$$