Chaar 5.6

Haar 5.6

$$V(y,t)=V(F,t)$$
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$$\frac{(y-x)^{2}}{2t} e^{-\frac{1}{2}x^{2}} e^{-\frac{1}{2}$$

$$= \frac{\chi^{2}}{t} - \frac{5\chi^{2}}{6(t+5)} + \frac{2^{2}}{5} - \frac{t^{2}}{5(t+5)} - \frac{2\chi^{2}}{(5+t)}$$

$$= \frac{x^{2}}{6+5} + \frac{z^{2}}{6+5} - \frac{z \times z}{6+5}$$

$$=G\left(Y-\left[\frac{5}{94}X+\frac{t}{4}Z\right],\frac{t}{94t}\right)\sqrt{2\pi \frac{t5}{94t}}$$

$$\frac{1}{45} = \frac{1}{615} + \frac{1}{615} + \frac{1}{615} = \frac{1}{$$

$$= \sum_{\infty}^{\infty} y b(y, t) b(y-x,t) dy = \frac{6}{6+t} \times b(x, t+6)$$

$$= \sum_{\infty}^{\infty} y b(y, t) \frac{d}{dx} N(\frac{x-y}{\sqrt{t}}) dy = \frac{6}{6+t} \times \frac{d}{dx} N(\frac{x}{t+6})$$

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$$= \sum_{\infty}^{\infty} y b(y, t) \frac{d}{dx} N(\frac{x-y}{\sqrt{t}}) dy = \frac{6}{6+t} \frac{d}{dx^{k-1}} \left(\times \frac{d}{dx} N(\frac{x}{t+6}) \right)$$

$$= \sum_{\infty}^{\infty} y b(y, t) \frac{d}{dx^{k}} N(\frac{x-y}{\sqrt{t}}) \frac{1}{t^{k}} dy dy$$

$$= \sum_{\infty}^{\infty} (x-\omega) b(x-\omega, t) \frac{d}{dx^{k}} N(\frac{\omega}{\sqrt{t}}) dx dx d\omega$$

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$$\times \left(\int_{-\infty}^{\infty} \frac{6(x-w_{1}s)}{dx^{k}} \frac{dx}{\sqrt{wt}} N\left(\frac{w}{\sqrt{t}}\right) dw - \int_{-\infty}^{\infty} \frac{dx}{dx^{k}} N\left(\frac{w}{\sqrt{t}}\right) \frac{6(w-x_{1}s)}{dw} dw \right)$$

$$= \times \frac{d^{k}}{dx^{k}} N\left(\frac{x}{\sqrt{x}}\right) - \frac{s}{s+t} \frac{d^{k-1}}{dx^{k}} \left(\times \frac{d}{dx} N\left(\frac{x}{\sqrt{t+1}}\right) \right)$$