$$\frac{d}{da} \ln f(a) = \frac{f(a)}{f(a) \ln e} = \frac{f(a)}{f(a)} \left( \frac{1}{4e^{-x}} \right)^{-1} \left( \frac{1}{4e^{-x}}$$

$$= G_{gmoid}(x) - G_{gmoid}(x)$$

$$= G_{gmoid}(x) \left( \left[ - G_{gmoid}(x) \right] \right)$$

$$= G_{gmoid}(whith) = -\left[ \left( He^{-(wxith)} \right)^{2}, \quad d_{x} \right] He^{-(wxith)}$$

$$= -\left( He^{-(wxith)} \right)^{-2} \cdot e^{-(wxith)} \cdot \lambda_{i}$$

$$= \left( \frac{1}{1 + e^{-(wxith)}} \right)^{-2} \cdot e^{-(wxith)} \cdot \lambda_{i}$$

$$= \frac{1}{\left( 1 + e^{-(wxith)} \right)^{2}} \cdot \lambda_{i}$$

$$= \frac{1}{\left( He^{-(wxith)} \right)^{2}} \cdot \lambda_{i}$$

$$= \left( \frac{1}{1 + e^{-(wxith)}} \right) \cdot \lambda_{i}$$

$$= \left( \frac{1}{1 + e^{-(wxith)}} \right) \cdot \lambda_{i}$$

$$= \left(\frac{5}{2} \frac{gnoid(\omega x_{i}t_{b})}{(\omega x_{i}t_{b})} - \frac{5}{2} \frac{gnoid(\omega x_{i}t_{b})}{(\omega x_{i}t_{b})}\right) \times \frac{1}{2}$$

$$= \frac{6}{2} \frac{gnoid(\omega x_{i}t_{b})}{(\omega x_{i}t_{b})} \cdot \left(\frac{1-6}{2} \frac{gnoid(\omega x_{i}t_{b})}{(\omega x_{i}t_{b})}\right) \cdot \frac{7}{2}$$

$$= \frac{5}{2} \left[\frac{1}{2} \frac{1}{2} \frac{$$

$$\frac{\partial}{\partial w} \cdot (cst(w,h) = -\int_{A-1}^{h} \left[ \psi_{\lambda} \cdot \frac{s'(wx_{\lambda}+b)}{s(wx_{\lambda}+b)} + (1-\psi_{\lambda}) \cdot \frac{-s'(wx_{\lambda}+b)}{1-s(wx_{\lambda}+b)} \right]$$

$$= -\int_{A-1}^{h} \left[ \psi_{\lambda} \cdot \frac{s(wx_{\lambda}+b)}{s(wx_{\lambda}+b)} + (1+\psi_{\lambda}) \cdot \frac{s(wx_{\lambda}+b)}{1-s(wx_{\lambda}+b)} \cdot \frac{1}{1-s(wx_{\lambda}+b)} \cdot \frac{1}{1-s(wx_$$