Machine Intelligence I

Exercise sheef 3

2. Seriously coolgays

H3.1: Binary Classification

a)

$$e^{(\alpha)} = -\left[g_{\tau}^{(\alpha)} \ln y(x^{(\alpha)}, y) + (1-g_{\tau}^{(\alpha)})^{-(n(1-g(x^{(\alpha)}, y)))}\right]$$
 $osed: \frac{d}{dx} (f(x)g(x)) = \frac{df(x)}{dx} g(x) + \frac{dg(x)}{dx} f(x)$ 
 $\frac{d}{dx} (\ln (f(x))) = \frac{f(x)}{f(x)}$ 
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$$\frac{\partial Y}{\partial w_{x,y}^{VV-1}} = \frac{\partial Y}{\partial h_{x}^{V}} = \frac{\partial Y}{\partial h_{x}$$