

The state of the s $\frac{20k}{22l} = 3\left(\frac{e^{2k}}{2e^{2e}}\right) = \frac{0.\Sigma - e^{2k} \cdot e^{2e}}{(\Sigma)^2} = -\left(\frac{e^{2k}}{\Sigma}\right) \cdot \left(\frac{e^2}{\Sigma}\right) = -0k.0l.$ =) $\frac{\partial L}{\partial L} = \frac{\partial L}{\partial c} \cdot \frac{\partial ck}{\partial k} = \frac{-igk}{ck} \cdot ck(1-ck) + \sum -\frac{igk}{ce}(-ck.ce)$ = yk (Ok-1) + Ok \ ye. = yk (0x-1) + 0x (1-yk) = 0k-yk. $\Rightarrow \frac{\partial L}{\partial u_{0k},e} = \frac{\partial L}{\partial zk} \cdot \frac{\partial zk}{\partial w_{0k},e} = (ok - yk) \cdot az.$ wok, e = wok, e - y 3h =) wok,e = wok,e - y. (ok-yk). az. 8. Hidden layer 2: 2 = 3L 32hz Juhreis Franz Duhreis Touhelis = as. $\frac{\partial L}{\partial 2hz} = \frac{\partial L}{\partial az} - \frac{\partial az}{\partial zkz}$ $\frac{\partial L}{\partial az} = \frac{\partial L}{\partial zk} - \frac{\partial zkz}{\partial az} = \frac{\partial L}{\partial zk} - \frac{\partial zkz}{\partial zk} - \frac{\partial zkz}{\partial az}$ = 2 (0K- YK) wokie $\frac{\partial a_{2}}{\partial z h_{2}} = \frac{(-)(-)e^{-2h_{2}}}{(1+e^{2h_{2}})^{2}} = a_{2}^{2} \left(\frac{1}{a_{2}} - 1\right) = a_{2}^{-}a_{1}^{2} = a_{2}(1-a_{2})$ DL = 32hz Juhzeij = \(\left(\ok - \yk\right) \. wok, \(\chi \chi 2 \left(1 - \ar \right) \. \as while, j = while, j - y. ouhile, j => uhze,j= uhze,j - y. I (ok-yk) u ok,e. az (1-az). a1 A Hidden layer 1: The substitute of the sale of the substitute of 3L = 01- yk.