$$2^{(t)} = W_X(t) + V_A(t-1) + b$$

$$h^{(t)} = tanh(2^{(t)})$$

$$\nabla_{h(t-1)} \mathcal{L} = \frac{d^{\perp}}{dh^{(t)}} \cdot \frac{dh^{(t)}}{dh^{(t-1)}} = \frac{\Xi}{\Xi} \left( \frac{dh^{(t)}}{dh^{(t-1)}} \right)^{T} \nabla_{h(t)} \mathcal{L}$$

$$= V^{T} \nabla_{h^{(t)}} \mathcal{L} = \frac{d^{\perp}}{\Xi} d^{\perp} a_{\eta} C^{-1} (h(t))^{\perp}$$

$$0=t \qquad p=ixs+m => m=p-ixs$$

$$q=jxs+n => n=q-jxs$$

$$\frac{dL}{dw} = \sum_{i,j} w(0, p-ixs, q-jxs) \cdot \frac{dL}{dy}$$