-> Birnary Classification Using 4-layer NN Sigmoid hidden layer-1 Imput layer to hidden layer-1 Wbi -> Weights from hidden_layer_1 to hidden_layer_2 Wib -> Weights from hédden-layer-2 to output layer Wig -> Weights from

$$h_j^s = F_2(net_j^s)$$

$$= \frac{1}{p} \cdot \frac{e^{-\text{netk}}}{(1+\bar{e}^{\text{netk}})^2} \cdot \frac{\partial}{\partial Mrj} \left(\sum_{j} Mrj \cdot h_j^{j} \right)$$

$$= \frac{1}{P} \cdot \frac{e}{(1+e^{-net}K)^2} \cdot h_j^{\circ}$$

=
$$\frac{p^2}{p^2}$$
 enetk hj
-netk hj

= p. e netk \(\text{Wkj.} \frac{1}{2} \text{(netj).} \text{Wjb.} \frac{1}{1} \text{(netb).} \text{ \frac{33}{1}}

New New Hold + 1 p.e. (> WKj. Fz! (netj). Wjb. Fi'(netb)). X;