$$W_{1} = 0.15$$
  $W_{2} = 0.20$   $W_{1} = 0.35$   $W_{2} = 0.35$   $W_{3} = 0.35$   $W_{10} = 0.60$   $W_{12} = \frac{1}{1 \cdot e^{-2}}$   $X_{1} = 0.05$   $X_{1} = 0.15$   $X_{2} = 0.17$   $Y_{1} = 0.5$ 

PRED FORWARD (FROM = 151)

A1: War X1 + W2: X2 + W1. D1

A1: 0.15: 0.05 + 0.20: 0.40 + 0.35: 1

L1: 0.3775

Re: Wy . X1 + W4 . X2 + b4 . W9
A0: 0.25 . 0.05 + 0.3 . 0.1 + 1 . 0.35
A2 0. 3925

OUT A = \$ (A = ) = 0.59 688 44378

Q1 = W5 + OUT\_ A1 + W6 + OVT\_R2 + W10 + 62
OUT\_ Q1 = Q(Q4) = 0.75 136507

02 = W7 : OUT\_Rs + W8 : OUT\_R2 + W4A : 62 OUT\_02 = \$102) = 0.77292846

 $J(w) = \sum_{1}^{1} (Y' - \hat{Y}')^{2}$   $E_{\sigma_{1}} = \frac{1}{2} (0.1 - 0.75136507)^{2} = 0.274815083$   $E_{\sigma_{2}} = \frac{1}{2} (0.99 - 0.77292846)^{2} = 0.023560026$ 

ETOTAL = Ex. + Ex2 = 0.298371109

 $\frac{\partial f(w)}{\partial w_{1}} = \frac{\partial E_{1} + \partial E_{2}}{\partial w_{1}} + \frac{\partial E_{2}}{\partial w_{1}} + \frac{\partial E_{2}}{\partial w_{2}} + \frac{\partial E_{2}}{\partial w_{2}} + \frac{\partial E_{3}}{\partial w_{1}} + \frac{\partial E_{3}}{\partial w_{2}} + \frac{\partial E_{3}}{\partial w_{3}} + \frac{\partial E_{3}}{$ 

 $W_8^{\dagger} = W_8 - \eta \Delta W_7$   $W_8^{\dagger} = 0.55 - 0.5 \cdot (-0.022740245)$  $W_8^{\dagger} = 0.561370123$ 

I - 0.022740245