For the pixet sample :7 $x' = [x_0, x_1, x_2] = [1, 5.1, 3.5]$ $\omega = [\omega_0, \omega_1, \omega_2] = [0.2, 0.3, -0.5]$ V = 0.1 [Learning rate] Q(3) = Q(00x0+00,x1+00,x2) y= φ(0.2×1+0.3×5.1+ (-0.5)×(3.5)) Φ(0·2+1·53-1·75) Q (1.73-1.75) -0.02 for the second sample :> $x'' = [x_0', x_1', x_2'] = [1, 4.9, 3.0]$ $\omega = [\omega_0, \omega_1, \omega_2] = [0.2, 0.3, -0.5]$ N= 0.1 [Leasning rate]

$$y = \phi(\cos(x^{(1)} + \omega_{1}x^{(1)} + \omega_{2}x^{(1)})$$

$$\Rightarrow (0.2 \times 1 + 0.3 \times 49 + (-0.5) \times 3.0)$$

$$\phi(0.2 \times 1.47 + (-1.5))$$

$$\phi(0.2 \times 1.47 + (-1.5)$$

$$\phi(0.2 \times$$

 $(x)^{-1}$ $(x)^{-1}$ $\Delta \omega_2 = 0$ $\sum_{i=1}^{\infty} \left(y^{(i)} - \phi(3^{(i)}) \right) x_1$ 0.1 x (1-(-0.02)3.5 + (1-0.17) x 3.0] Aug = 6.06 x 0.1 => 0.606 0.1x 3.57 + 2.49 29100 Too T

Stothe charent
