(Backpropagation) ws (0.40) 62 = 0-60 21, W1 + 22 W2 + 61 (0-05) x(0-15))+ (0-10 x0-20) + 0-35 = 0.0075 + 0.02 + 0.35h. (out) = 0-5932

Date.	
Page	

$$h_2(in) = x_1 w_3 + x_2 w_4 + b_1$$
=  $(0.05 \times 0.25) + (0.10 \times 0.30) + 0.35$ 

$$= 0.0125 + 0.03 + 0.35$$

$$= 0.3925$$

$$ha(out) = \frac{1}{1+e^{-h2(in)}}$$

$$0.(out) = \frac{1}{1+e^{-0}(in)} = 0.7513$$

$$O_2(in) = h_1(ow) \times w_7 + h_2(ow) \times w_8 + 62$$
  
= 0-5932 ×050 + 0-5968 ×0-55 + 0-6

0, (out) = 0.7513 02 COW = 0-7729 Error / E0/= (0.7513/0.01)= Gror = 6/02 = 1(0-7/129/0-99)= = 2 = (0-01-0-7573)2 = 0.5495 = -0-275 E02= 12 (0.99-0-7729)2  $\frac{0.0472}{9} = 0.0236$ Etotal = Eo, + Eo2 0-275+0-0236 = 0-2983

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enplained Now we have  so reduce this error togels
explained . Now we have
to reduce this error togelo
So to the to the salver of
drection from ofp to Widden loyal
Hen to IR loyer.
RIOW
ws /
of he we neto, outo, Essor
(£0.)
62
2 Etotal = 2 Etotal & 20001 & Inetoi
dws down dnetor dws
76
OFTOTAL = Outo, -togetoi
0 outor = 0-751365-0-01
0, 13,13,03
= 0.741365
doutoi = Outoi (1-0utoi)
3  net  0 = 0 - 151365 (1-0-757365)
= 0-18-681

Inetor = Owh,) = 0.59326 Now Put Here in femulo J Etotal = 0-08216704 WS = WS - X & Frotes leading rake 0-4 70-6 80-08216704 = 0-35069

Hidden layer w\_ Inethowhi DEtotal = DEtotal + & E02 Jou hi \* InetO, 0-13849856

dEor = outor - targetor Dow02 =0.77292-0.99 = -0-21707 DEfotel = der + deoz 2 owhi Jowh, Jouths = 0-05539+(-0-019048 = 6,03635 Outo2/1-0402 =0.1755/0032