



I	Propagate the errors backward through the network.
	for each network output unit K,
	Calculate exxxx texm SK
	$S_{K} \leftarrow O_{K} (1-O_{K}) (t_{K}-O_{K})$
	OK CI OK) (TROOK)
	for each hidden unith,
	Calculate essos tesm Sp
	Continue Esvos (ESI)
	Sh - Oh (1-Oh) & WKh SK
	$S_h \leftarrow O_h(1-O_h) \leq W_{Kh} S_K$ $K \in OutputS$
311	
	fox output units, Calculate 85,86
	S5 = Y5 (1- Y5) (targets - 1/5)
	= 0.7513 (1-0.7513) (0.01-0.7513)
	= 0.7513 × 0.2487 × -0.7413
	= -0.1385
49.5	The state of the s
	S6 = Y6 (1-Y6) (target 6-Y6)
	06
	= 0.7729 (1-0.7729) (0.99-0.7729)
	= 0.7729 x 0.2271 x 0.2171
	= 0.038
	a second of the

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DAYE: /	,
, W63,1	υ ₅₄ , ω ₆₄
- Indiana	
L	
i	
3	
+ 0·593	32
139	
9	
1 + 0.50	732
1.1. (St	
46	
100	
× 0.596	8]
	17

Output to hidden tayes

let us adjust weights wsz, w6z, w64, w64

$$W_{ji} \leftarrow W_{ji} + \Delta W_{ji}$$

i.e, with with Sixii

$$\omega_{53} = \omega_{53} + \eta \times S_5 \times \gamma_3$$

	ANY IN THE STATE OF THE STATE O	PAGE NO,		
The state of the s	hidden to input layer	DATE; /		
ALCO AND				
	Adjust weights was wing	WEST WELL	2	
	w31, w41,	w32, w	42	
	S3 = 48 (1-43) [W53 85	t W638		
100000				
	= 0.5932 (1-0.5932) [0.3507 * -0.1385+ 0.5135 * 0.0381] 2 0.5932 (0.4068) [-0.0485 + 0.0195]			
- 61.53	= -0.00699.			
	S4 = Y4 (1- Y4) [W54 S5 +	w64 S	;]	
	= 0.5968 (1-0.5968) [0.400]	5 × -0,	1385-	
Wanty on the	0.863	6 × D10	381]	
the state of the state of the	= -0.0081			
- San Artific La				
and the second	W31 ← W31 * 7 83 * X1			
become parties	= 0.15 x [0.6 x - 0.	00699*	0.05)	
	= 0.1497			
			17.2	
			Todayana i	
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W41 - W41+1 x 84 x x1	
= 0.25+ 0.6 × _0.0081 ×	0.05
= 0.2497	
W32 = W32 + nx S3 * x2	
= 0.20 + 0.6 * -0.006	99 *0.10
= 0.1995	
W42 = W42 + n * S4 * x2	
= 0.30+ 0.6 × -0.0081	X 0,10.
= 0.2995	
the time and the object of the same of the	