	Jasica Brago				
	F17112151	PAGE NO :			
	BE comp 2	DATE:			
9 con nosignment 3					
y Explain Hebb Leaving wing an example?					
and Denald O. Hebb learning using an example to update the weights					
behoven neurons in a neural nemont. This method of weight updation					
enables neurons to learn which is named as Hebbian learning.					
According to the Hebb Rule, the weight vector is found to inverse					
proportionally to the product of the input and learning signal.					
wi (new) = wi (cold) + xiy	i i	-(U)-y			
Example .					
Hebb network to implement logic AND function (bipolar inputs)					
21 x2 b y					
-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	3	10 C			
-1 1 1 1	The state of	13 mol 11			
-1 -1 1 0					
Initially wi= w2 = b = 0	O C				
= [21 x2 b] = [1	+1]				
Toyaet (-1) = 1	No.				
wilnew) = wiland) + xiy	1.3 1. 20 1 20				
bi (new) = bi (old) + y					
w1 (new) = 0+1(1) = 1	The Local Section	879 H. H. Land			
w2 (new) = 0+1=1	KONTA HONE TO				
1 (new) = 0+1 = 100 = 11/16	Truck & amy how	1 ((())			
These weights will now be used o	winitial weights ?	of the next insul.			
of sound input = [2, x2, b] = [11-1-1-1-1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1	47 18 13 3 S			
Target = -1	14 = 1 = 1	2) 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
w, (new) = (1) + 1 (-1) = 0		Sept.			
w2 (new) = 1 - (-1) = 2					
b(new) = 1+(-1) = 0	and approved all	A Translation A			
similarly, processing an inputs					

STORY OF THE STORY			DATE	
Inputs.	A mary	weigh	b	
y x ₁ x ₂ b	ωı	Wz		
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-le 1 -le de le grante	0	2	0	Admin of the
manufact radio in the water and ad	11.	nio is . I , Ai	1. Victory	negodsk
-r -rai-rai Arden da dan	2 1	2, 1	- 2 hazan	251N1 22 2
appear of the action of the state		Sept O River	all for	or known
Final auchitecture	ar is win	19	<u> </u>	wayn -
	The state of the s	Spir of the	100 F 10 = 4) lu
-2				n Incount
$2u \rightarrow (2u) \xrightarrow{2} (y) \Rightarrow$	У		A Land	en electi
$\chi_2 \longrightarrow (\chi_2)$		day of the table	3/11/3/	
	, in .		6	,
				,
24 Explain Mc Culloch - Pitts Neu	no nou	wiet by con	sidening A	ND gave examp
Ans. XI X2 Y	X-Cl	×(2) 10, =	1	
	21-		***	4
1 0 0	72		to zoo	M
0 1 0	100 / 3	1 0 20 10	1 = 500	1. 建筑市
0 0 0			1= (1-) Approl
In MP newon only analy	ysis is b	ing done	ra e ra	unitaco
Assume wi=1 and w2=	. 1	J. 4 (100	id = 1/4	on Linea
with these assumed weights	3 , net 11	p'us calcula	ted for 4	inputs.
(1,1) Yin = 41w1 + x2w				
$(1,0) \forall in = X_1 \omega_1 + x_2 \omega$				
$(0,1)$ $\forall in = 0(1) + 1(1) =$				The state of the s
FOR AND, OFF is high it he				- No. 1
Three hold 2 2 4 = .f	101 / 5	200	in 1/2	1
A 5(y)		20,4		
Al January		<u> </u>		
3) Implement AND function use	ing Med	culloch - pitts	hewon	Joodd -
	2 111711	Wi Jan	July July	Line Sea

Pos:
$-\langle \alpha_i \rangle$ ω_i
(Y)
\rightarrow $($ $_{2}$ $)$
21 22 4
1 0 0
0 1 0
0 0 0
Yin = Exilui
= 21W1 + 22W2
4in = 1+1 = 2
Yin = 1+0 = 1
Yin = 0+1=1
4in = 0+0 = 0
Θ = nω - p
= 2(1) - 0 $p = 0, w = 1, 0 = 2$
= 2
$ Y = f(Yin) = \int_{Yin}^{Yin} \frac{1}{2} \frac{1}{1} \frac{1}{$
$\frac{1}{1} = f(4in) = \frac{1}{1} = \frac{1}{$