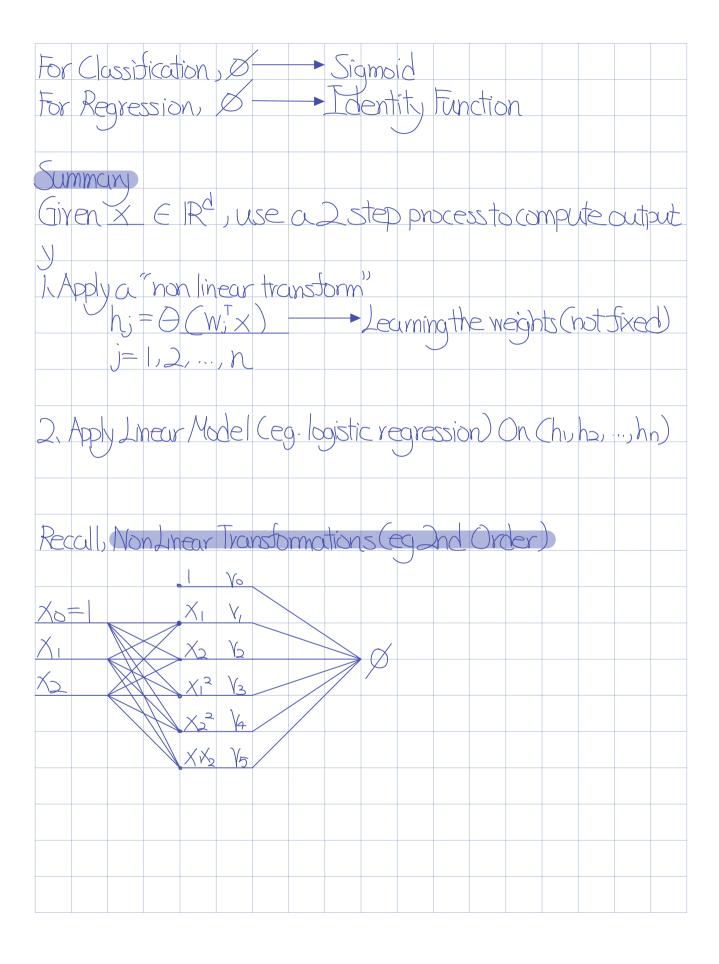
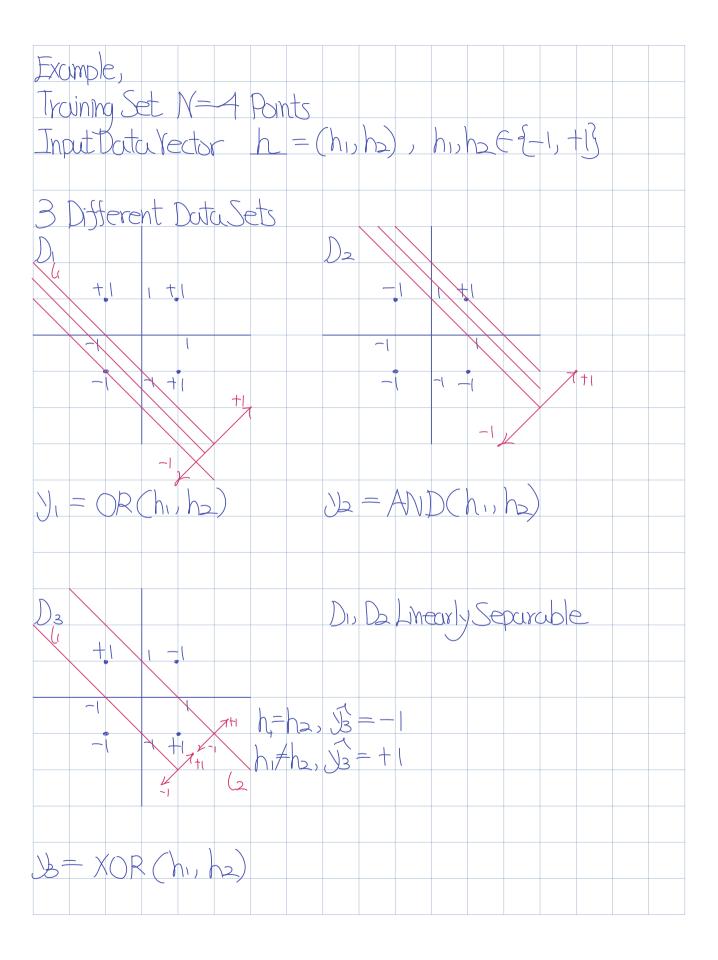


Vi = weight on the	e edge between h	idden node j and output
hi=output of	node in the hide	den layer
$h_j = Q(w_{ij} + Z_{ij})$ $Q(s) = tanh(s)$	$= \left( \begin{array}{c} \left( $	
	-S -S	
Ð(5)		
-1	5	
$\Theta(S) = Relu(S) = \Theta(S)$	max (0,5)	Commonly Used
	3	
y = Ø(Yo+	N Vi hi)	
	jal	



Not		# 0	C 5.	~	- 11-	1	ar			Щ	4	·	3	1	-()	T. 10(	<i>,</i> ,)
		the arne															
mon	ep	ome	r Ful														
N5		1	1	1	1												
		5)=		st s	5e   1	ect	$\Theta$	(5)	=5								
		Ø(	Vo	+	) = I	Υj	hj)										
	_	Ø(	Vo	+	n	Υj	0(	7 j	$\times$								
		Ø(	(Vo	+(	J=1	V.	Υ. <sup>Τ</sup> )	$\times$									
$\hat{\mathbb{N}}$	_	<u>M</u>	\ <u>`</u>	Υγ.Τ													
		Ø(	M2	+ \	$\hat{\gamma}^{T} \times$			Ju	st/	+ Liv	Nea	Y	100	el			



Di J=sign(h, that c),	$C \leftarrow O$	
Fix C = 1.5	0 < ( < 2	
h <sub>0</sub> =1 1.5 h <sub>1</sub> 1 h <sub>2</sub> 1	N.	
$\hat{y}_2 = sign(h_1 + h_2 + c)$	(), -) \( \lambda \)	0 1.5
$\mathcal{J}_3 = +1 \longleftrightarrow \mathcal{J}_1 =$		ゾ 分 ゾ
$\sqrt{s} = AND(\sqrt{1}, \sqrt{2})$ XOR Function  ho=+1 1-5	Js=1 1.5	-I
h <sub>1</sub>	OR Ja AND	$ \frac{\hat{y}_{8} = \text{AND}(\hat{y}_{1}, \hat{y}_{2})}{= \text{sign}(\hat{y}_{1} - \hat{y}_{2} - 1.5)} $

