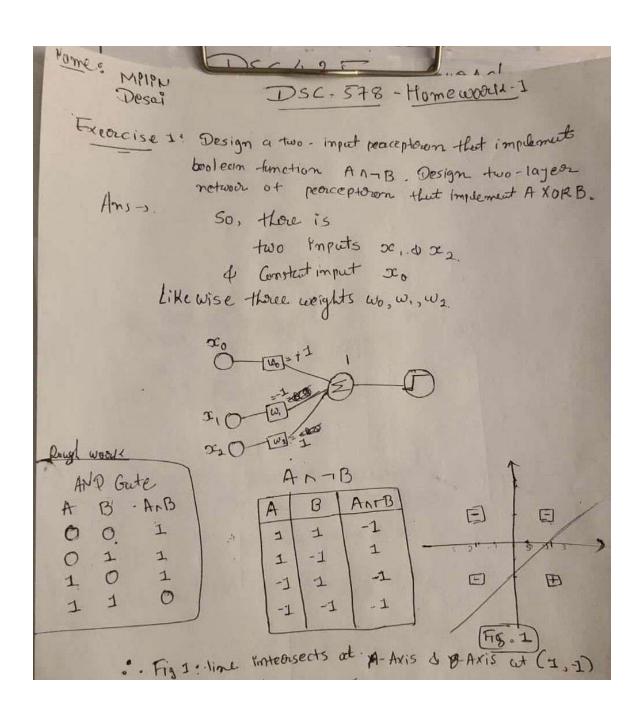
CSC 578 Homework 1

Milin Dharmshibhai Desai



$$\frac{A-0}{1-0} = \frac{(B-G)}{(0-G)}$$

$$A/1 = \frac{B+1}{1}$$

* too-loyor peacepaton (A XOR B): -AN B

A	BI	An-B	-ANB	(AN-B)V (ANB)
-1	1	-1	-1.	r -1
1	-1	1	-1	7
-1	1 3	-1	1	1
	1 -:	1 -1	23	0-1 =
_	1	1		

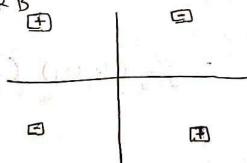
E)

of fig 2 line intensets A-Axisd BAXIS at (-1,1)

$$\frac{A-0}{-1-0} = \frac{B-1}{0-1}$$

$$\frac{A}{-1} = \frac{B-1}{-1}$$

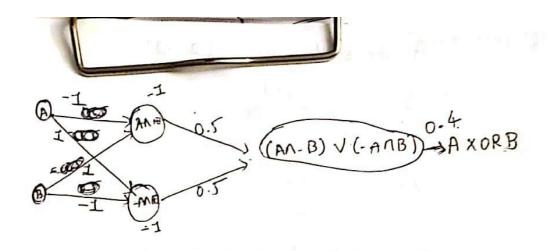
FOOLA XOR B



hore you ar see that this line we anot clinear of not separable.

(E)

Aachitatore on next page



0=2 Deouve groudient descent toxining orule four of Single unit with output 0, where

0 = Wo+ w,x, + w,x, + ... + woxn+ wn xn

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