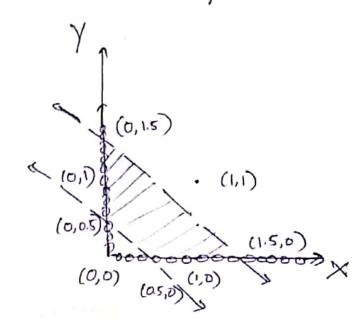
Assignment

Touth Table

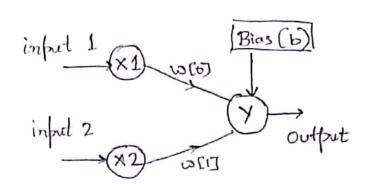
×	×	1	2
0	0		0
0	1		1
1	0		1
)	1		0

Decision plomes



Neural Network:

Goal: Classify input patterns according to touth table given above



Neuson Aschilectuse

Newson Operation D Accept Imputs (X1, X2)

- 2) Activation function is weighted sum of inputs Y = I Wixi + b (blas)
- 3) Output has to be classified: if (0.5 < Y < 1.5): Y=1 Else Y=0

Learning Algolilm

- 1) Initialize the weights and blases
- 2) I terrate over the data (epochs)
 - i. Compute the subput
 - ii. Compute dos function

Δ = Desized Output - Actual output

iii. Update weight

W (new) = W (old) + D * learning rate * Xi

iv. Update learning Reste

Rate = Rate ± (lorning blos)

3) Repeat the procedure until operation is realized