Assignment - 2

Hosel Somes

XOR with 2 hidden hayers

A WIT AB

WITH WITH WITH WITH AB

A'B

For Li:

Win CO Win CO Win LO

whose 9=1

 $\omega_{r_1} = 0.5$, $\omega_{r_1} = 0.5$

Similarly for the other node

wiz, wir = 0.3 bor Output te be 0 A 00 B Le such Kod: A W, +BW2, = AB A BW" + BW21 thousand = W1,2 D W,12 & W2 ~ 0 where a similar approach can be been for the other

Scanned by TapScanner

For
$$J_3$$
:

 $W_{1y}^3 AB^3 + W_{2y}^3 AB^3 = y$
 $M_{2y}^3 AB^3 + W_{2y}^3 AB$

$$W_{2}W_{3}^{3} = -0.5$$
 $W_{1}W_{3}^{3} = -0.5$
 $W_{1}W_{3}^{3} = -1$

Hence are have took with 2 hidden layers