Learning Rules

1) Hells Mehroek.

Lewhen an apon of cell A is near enough to excite cell B, & repeatedly or permanently takes place in fining it, some growth process or metalotic change takes place in one or both the cells such that A's egiciony as one of the cells fining B, increases.

les meight Tres proportional to the product of

les learning signal = neuron's of.

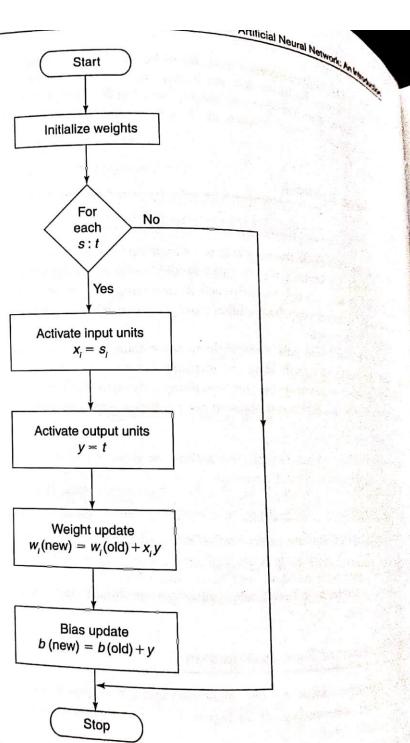
W; (new) = w; (pld) + Due.

DW = xiy

Is more suited for bipolar data to distinguish of w on 9 of of suchen 1/P 3 training larger in

ls bnew= bold + 16

Ab= y.



Flaura

teeks net for AND Gate.

$$x_1 \times x_2 \times b \times y$$

Zaritally:

 $w_1 = w_2 - b = 0$.

Znitially:

$$w_1 = w_2 - b = 0$$
.

3 [-1 1 1]
$$y=-1$$

w, new = 0 + 1 = 1

W, new = 2 + (-1) = 1

bnau = 0 + (-1) = -1

4.
$$[-1-11]$$
 $y=-1$
 $w_1 new = 1+(+1)=2$
 $w_2 new = 1+(1)=2$
 $b_{new} = -1+(-1)=-2$

