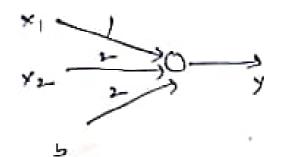
Herris Learning [Membran] UNSUPERVICED LEARNING

- i) set all weights to zero, we so the ist ton, and what to zero.
- e) For each in input vector and traget supert steps
- 1) sot activations for imput must with the input veries yours; it is them.
- in the meitent and who of applying steel rule

Activation function Aw = 71. 4. where i'm ton.

OR GATE

Where = Word +924.



Antially all the welle &

1st iteration

War - [1 1 - 1] + [1 - 1 1] . E 1-01-0-1 0 = [] 0 0]

3" Heron = [1 00]+[-1 1 1](1)

= C1 00]+[-11]

- [0 1]

= [0 11] + [1 11] (1)

= [1 2 2].

1. L. U.

AND GATE

1th Herebon

. wd ileverin

Say iteners

4th Acoes

$$= \begin{bmatrix} 1 & -3 \end{bmatrix} + \begin{bmatrix} 1 & 1 & 1 \end{bmatrix} \begin{pmatrix} 1 \\ 1 & 1 \end{bmatrix}$$

$$= \begin{bmatrix} 1 & 1 & -3 \end{bmatrix} + \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$$

$$= \begin{bmatrix} 2 & 2 & -2 \end{bmatrix}$$

