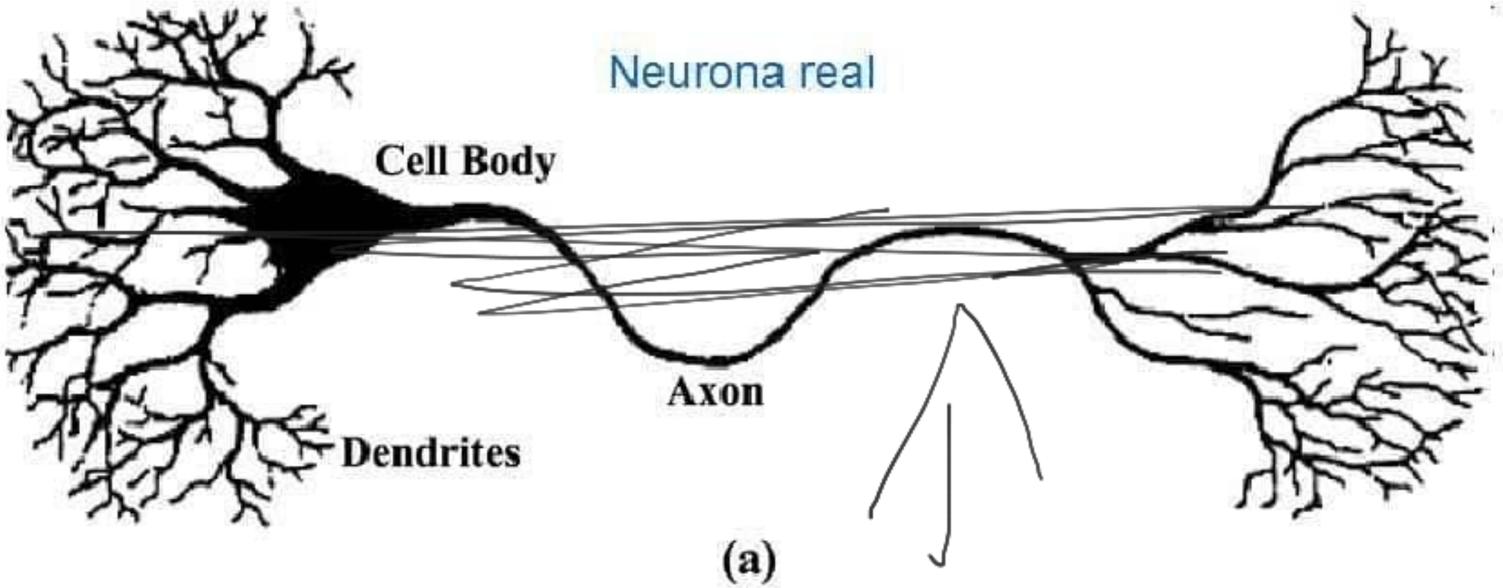
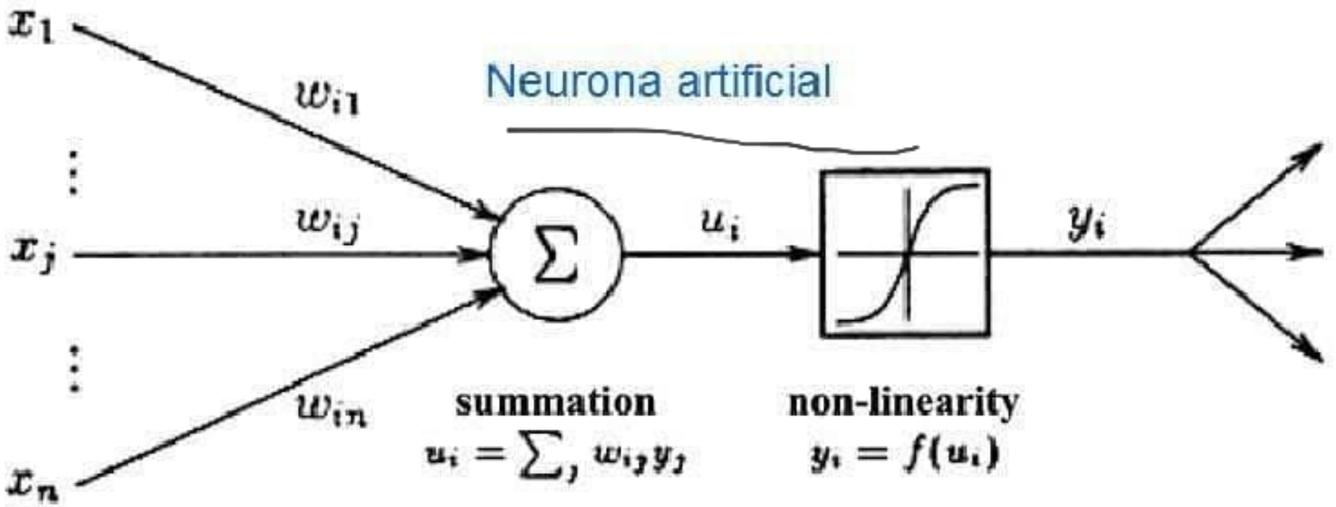
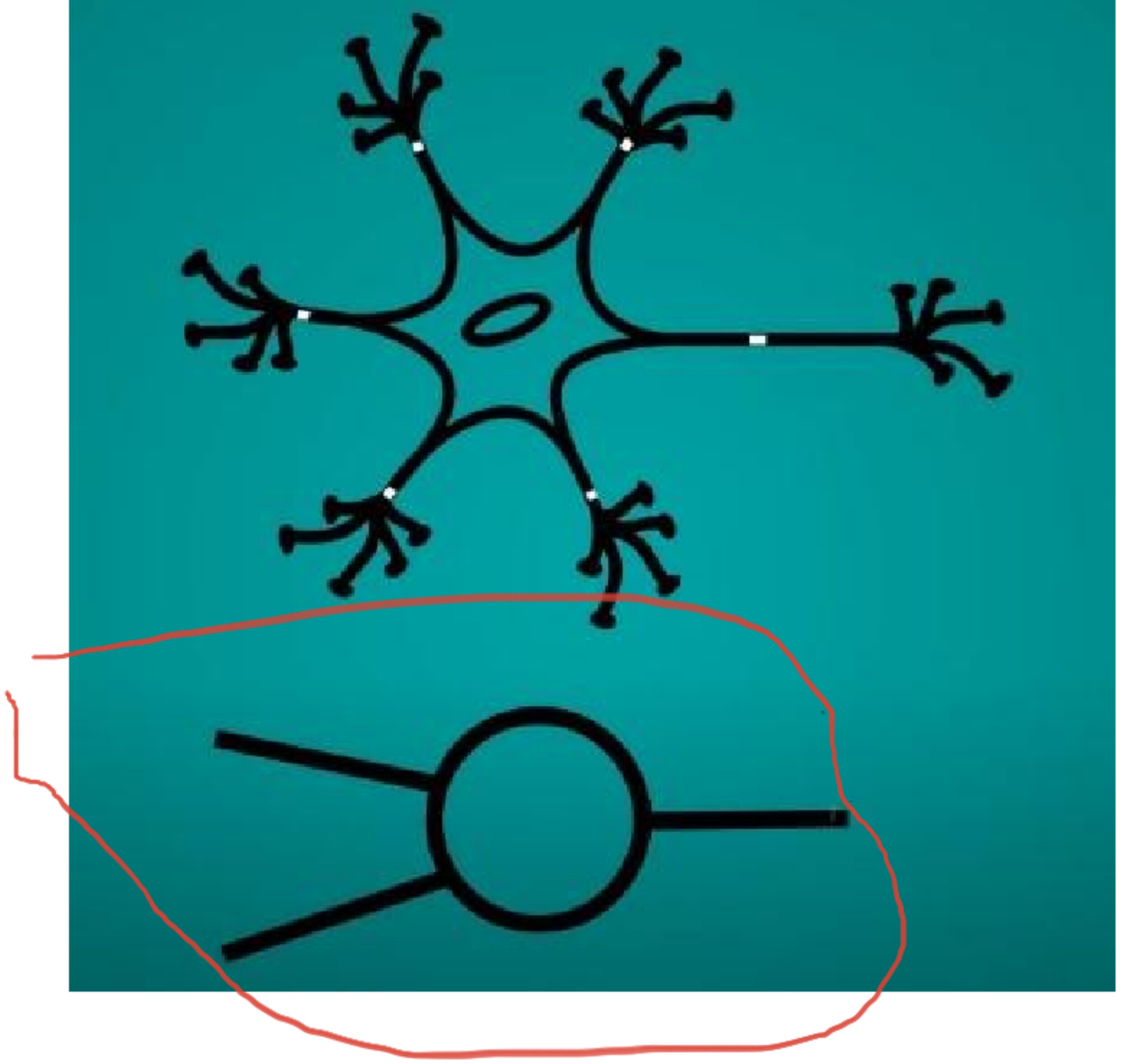
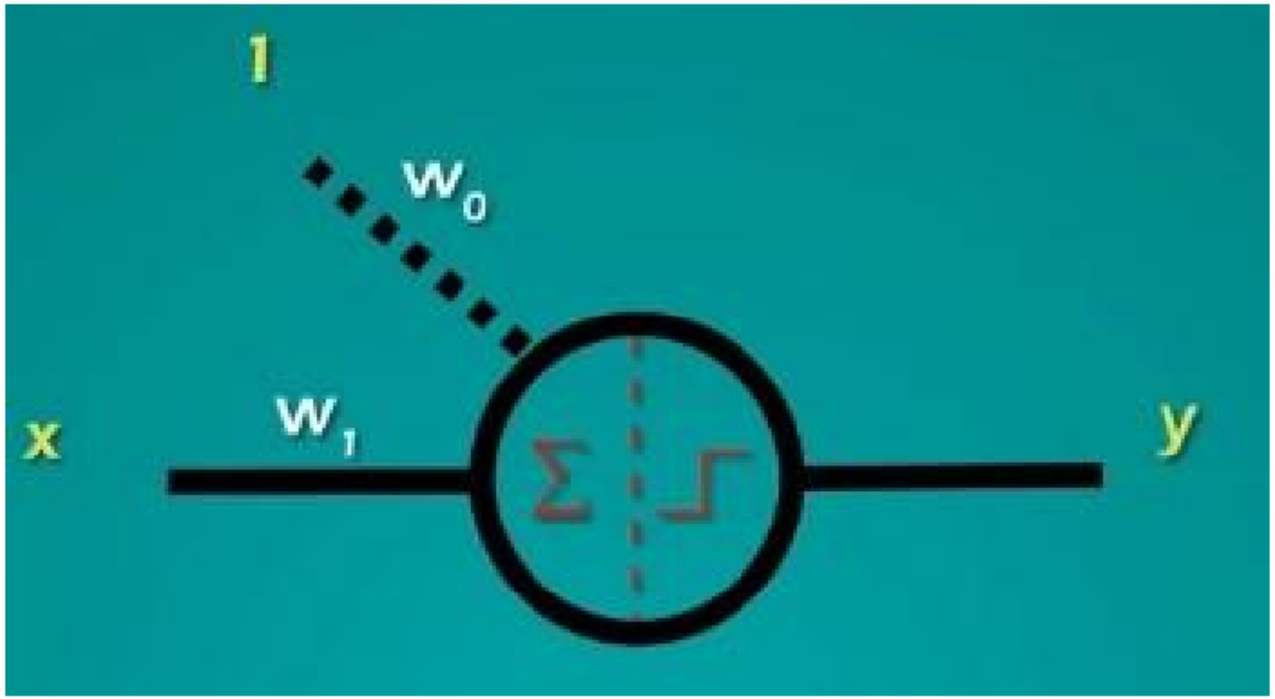

Neurona real
Cell Body
Axon
Dendrites

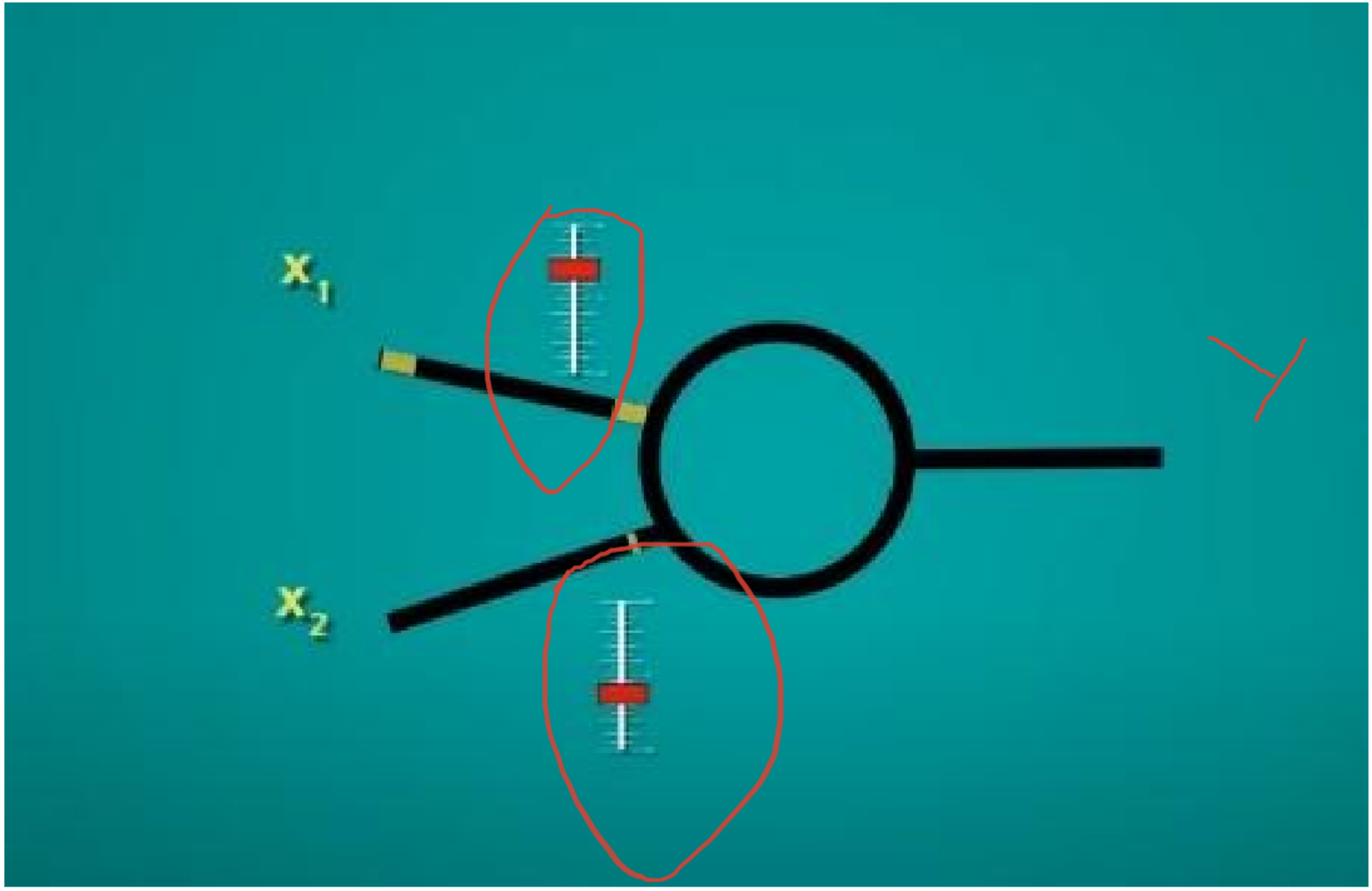
(a)

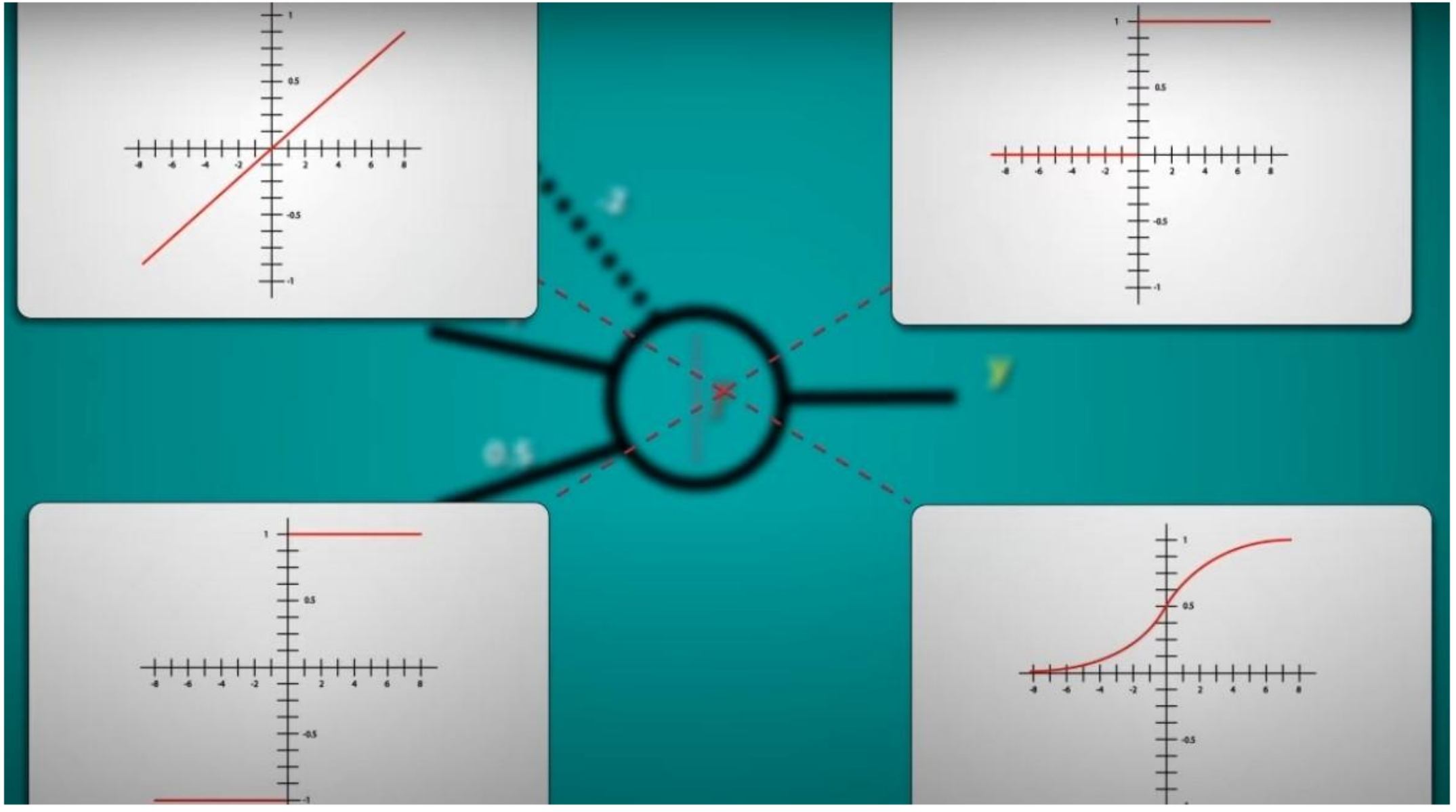

Neurona artificial
x_1
w_{i1}
x_j
w_{ij}
x_n
w_{in}
Σ
u_i
y_i
summation
$u_i = \sum_j w_{ij} y_j$
non-linearity
$y_i = f(u_i)$

(b)

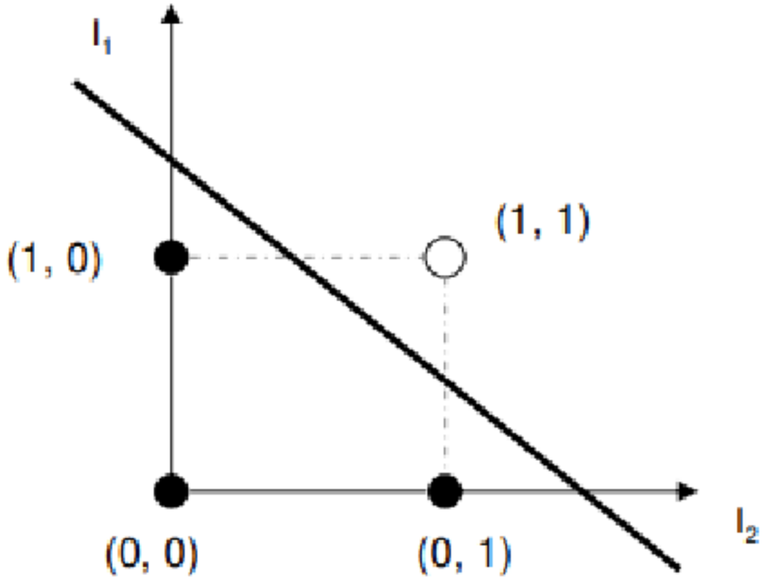



1
w_0
w_1
x
Σ
y

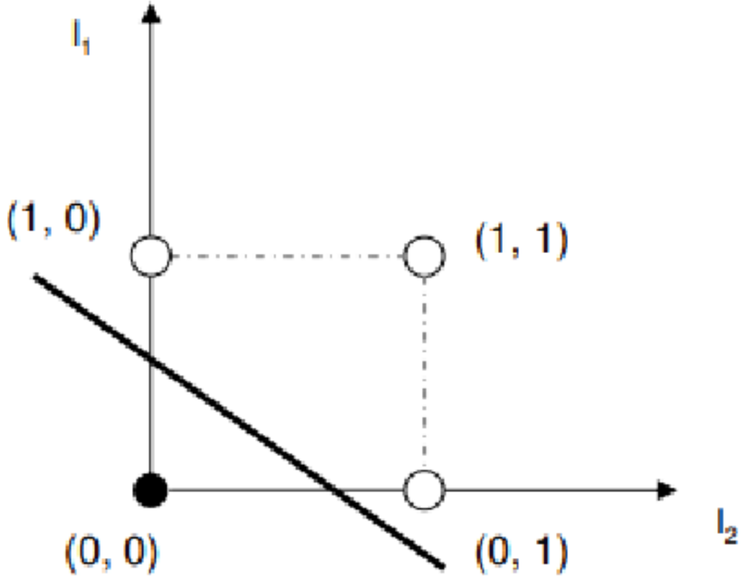

x_1
x_2
Y



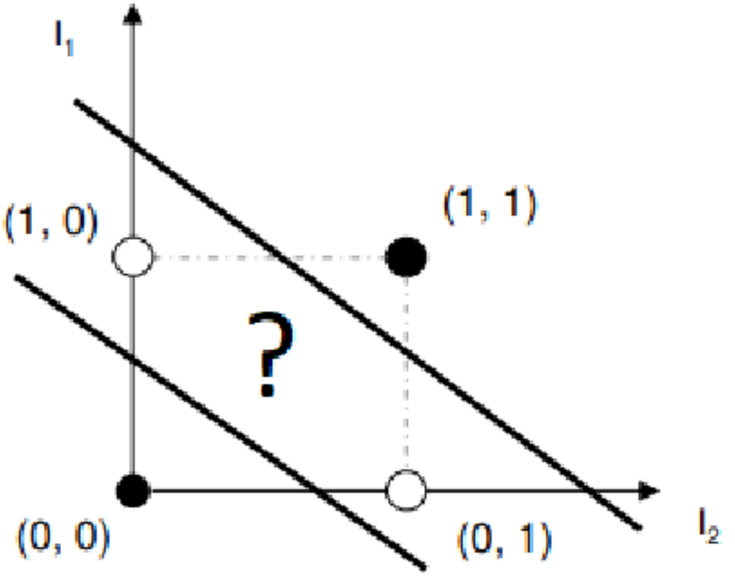
AND		
I_1	I_2	out
0	0	0
0	1	0
1	0	0
1	1	1



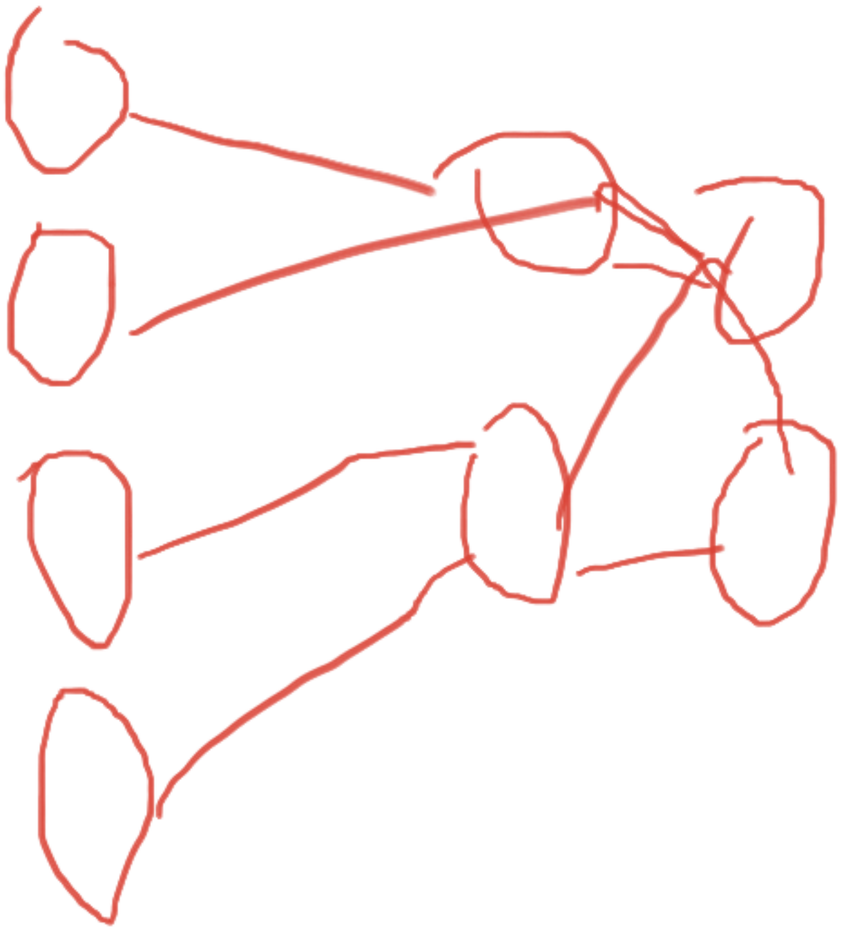
OR		
I_1	I_2	out
0	0	0
0	1	1
1	0	1
1	1	1

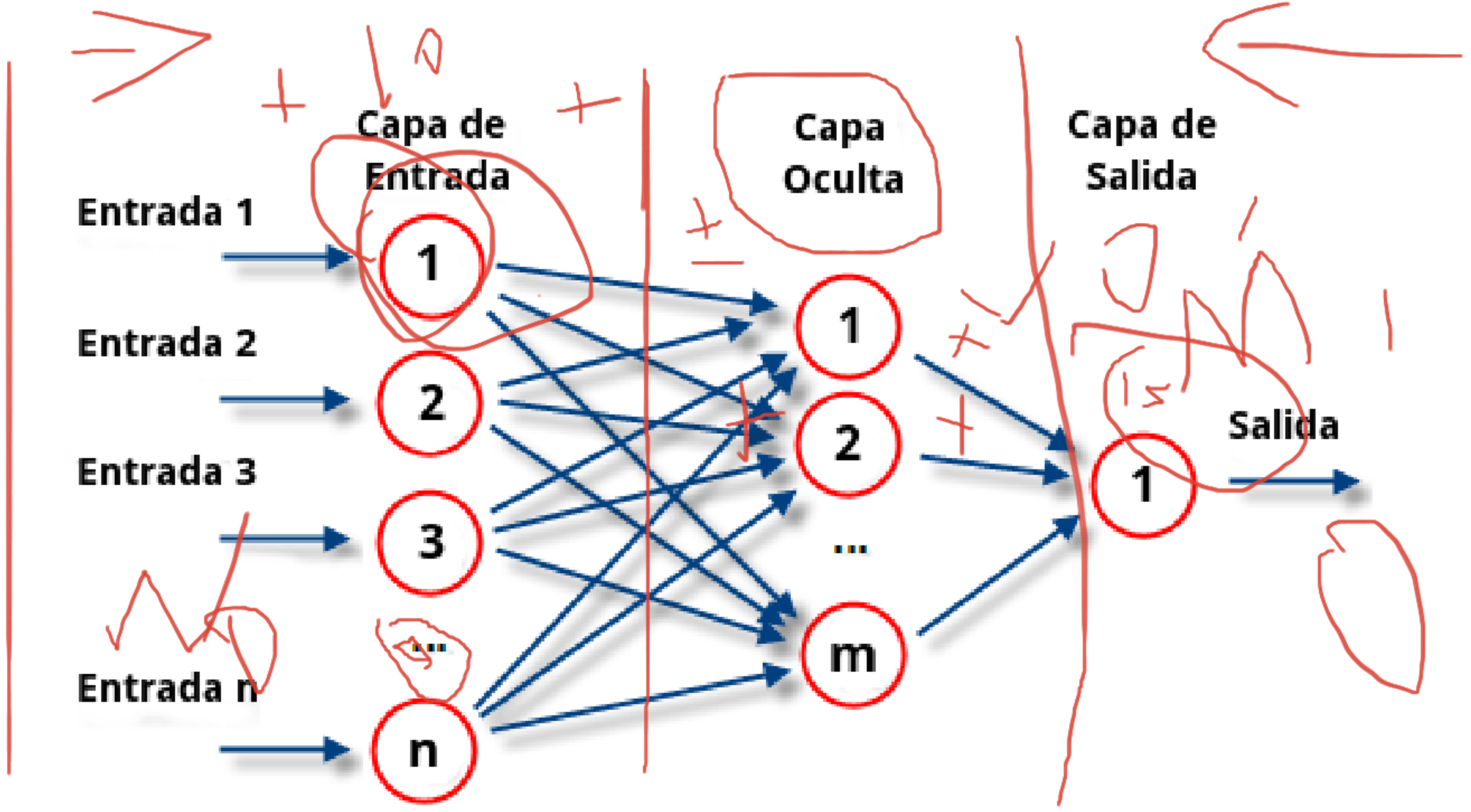


XOR		
I_1	I_2	out
0	0	0
0	1	1
1	0	1
1	1	0



XOR
Y
Y




Capa de Entrada
Capa Oculta
Capa de Salida
Entrada 1
Entrada 2
Entrada 3
Entrada n
1
2
3
...
n
1
2
...
m
1
Salida