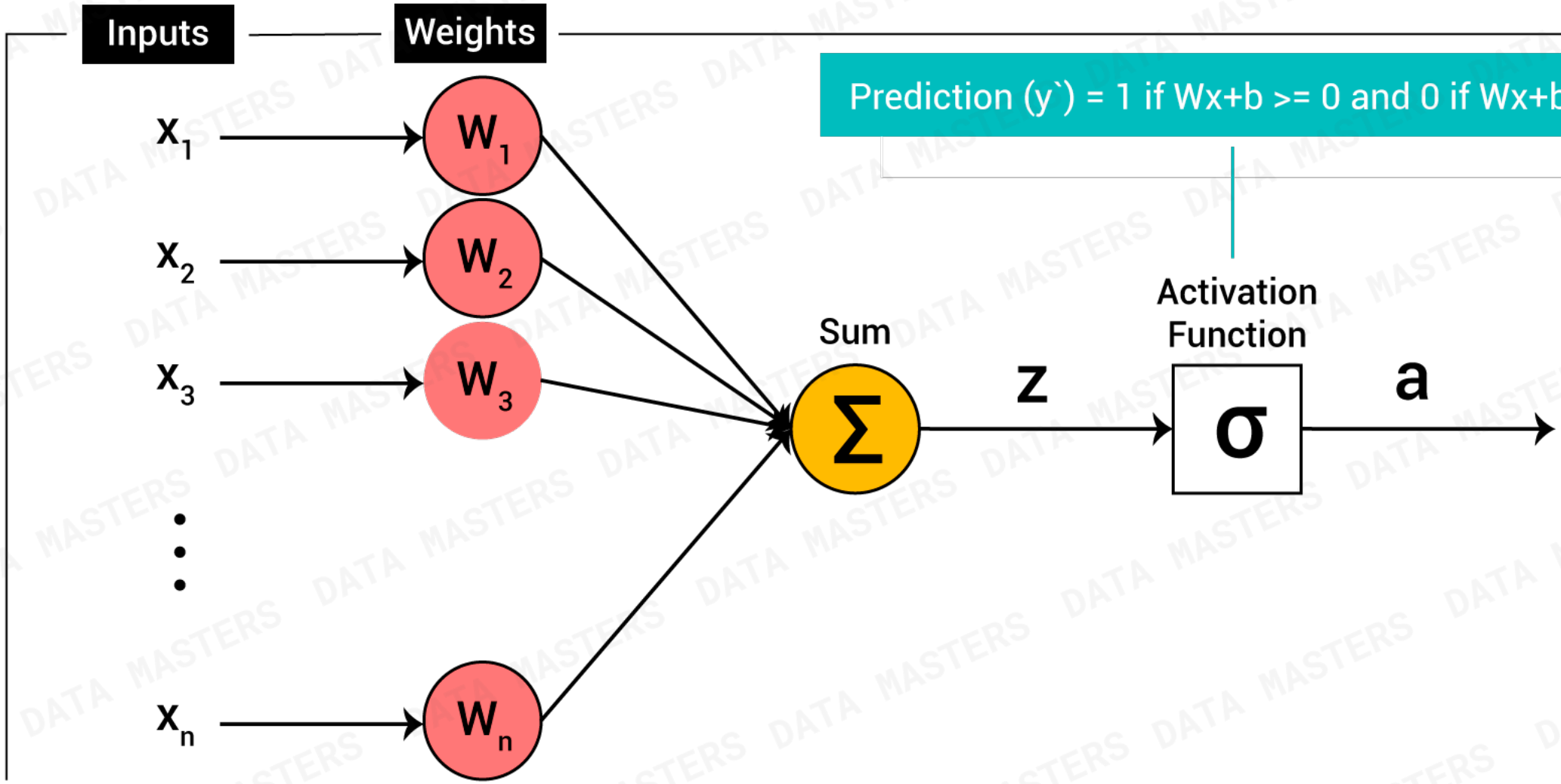
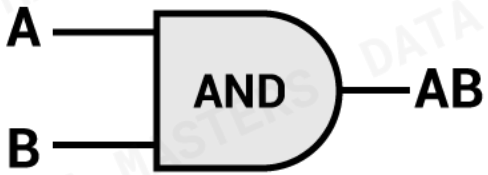
Percettrone

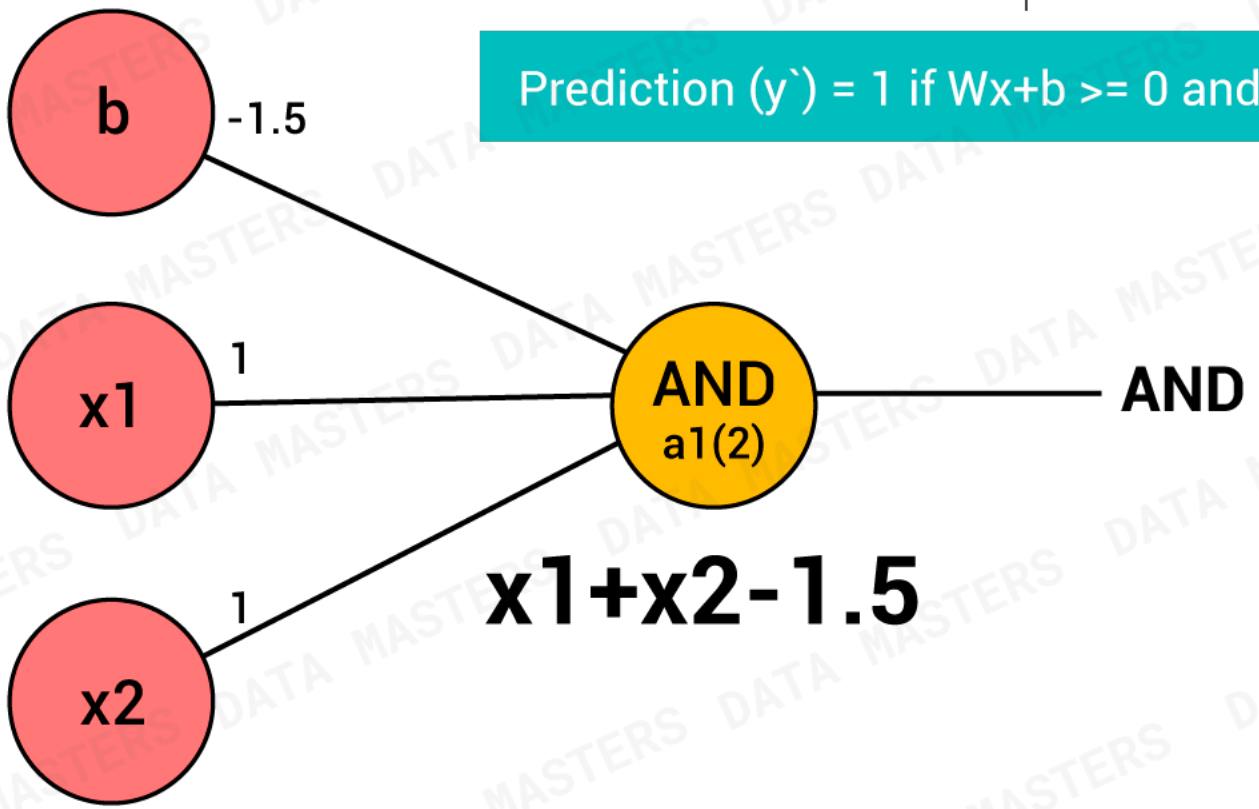


IL PERCETTRONE

Percettrone – operatore logico AND

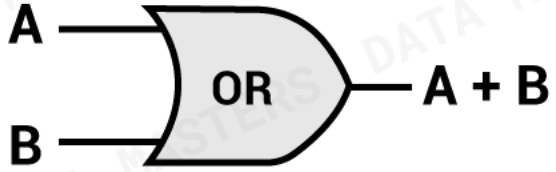


A	B	Out
0	0	0
0	1	0
1	0	0
1	1	1

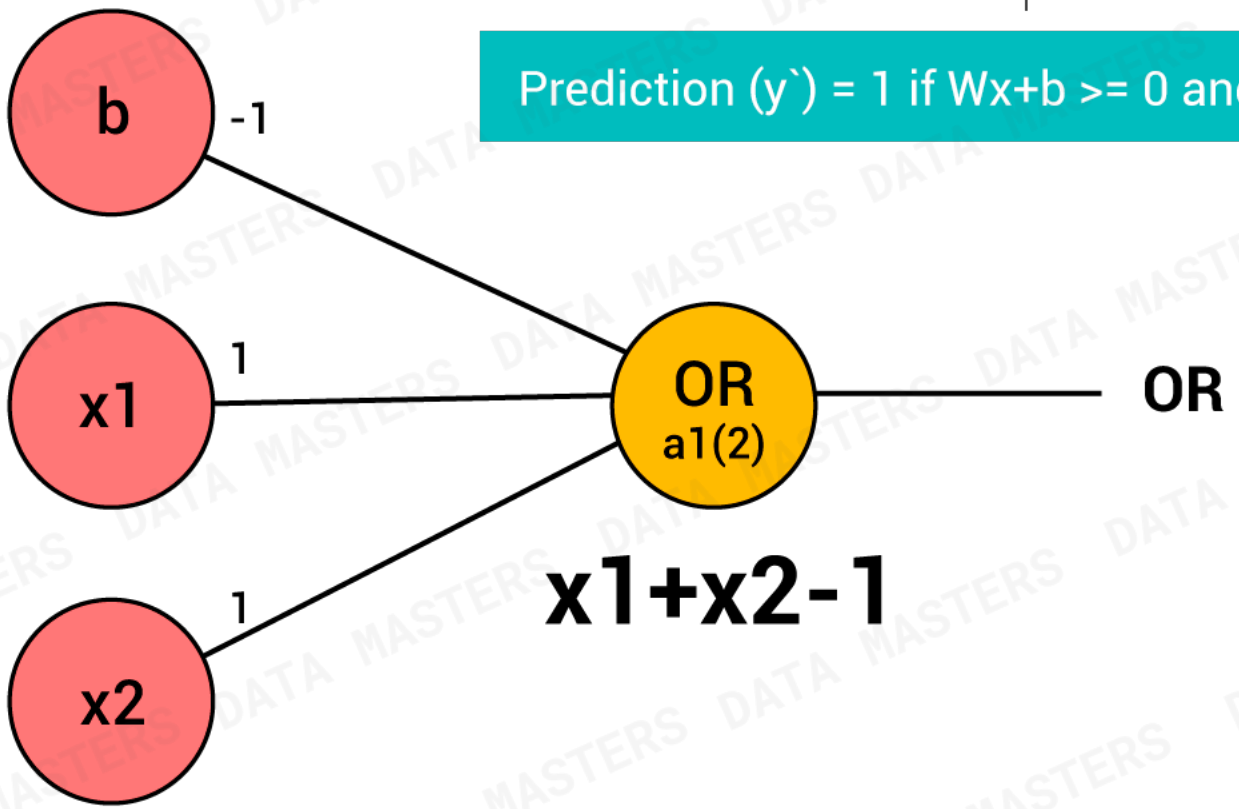


Prediction (y`) = 1 if Wx+b >= 0 and 0 if Wx+b < 0

Percettrone – operatore logico OR

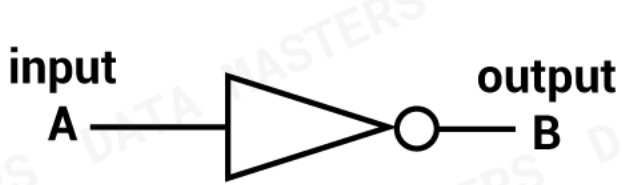


A	B	Out
0	0	0
0	1	1
1	0	1
1	1	1

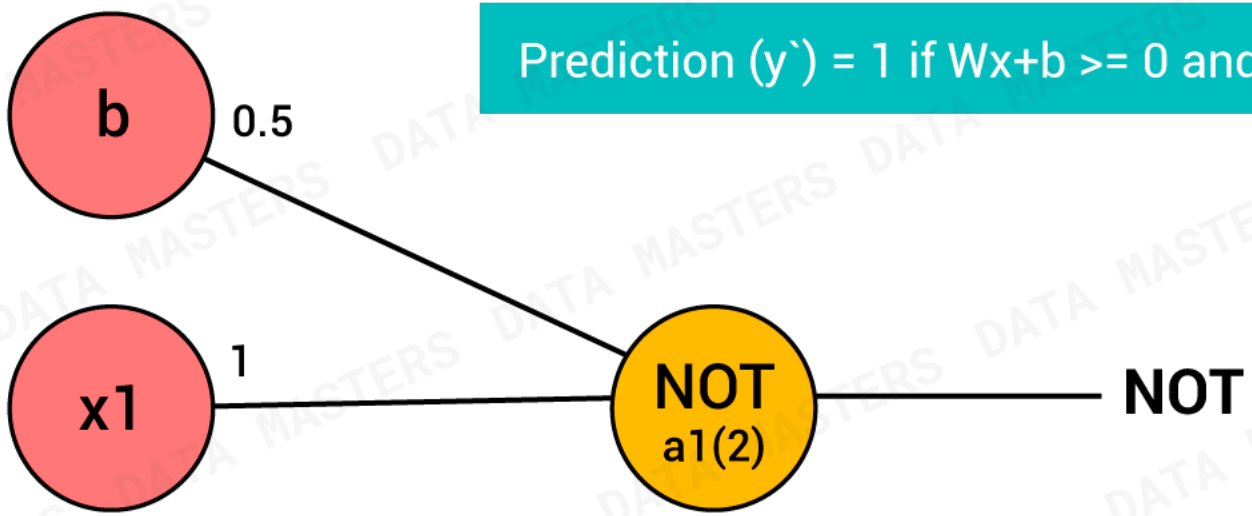


Prediction (y`) = 1 if Wx+b >= 0 and 0 if Wx+b < 0

Percettrone – operatore logico NOT



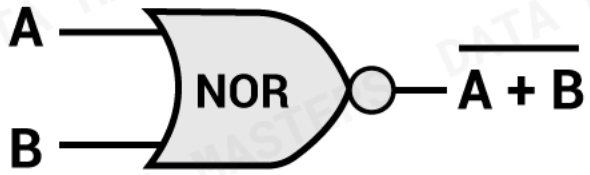
A	B
0	1
1	0



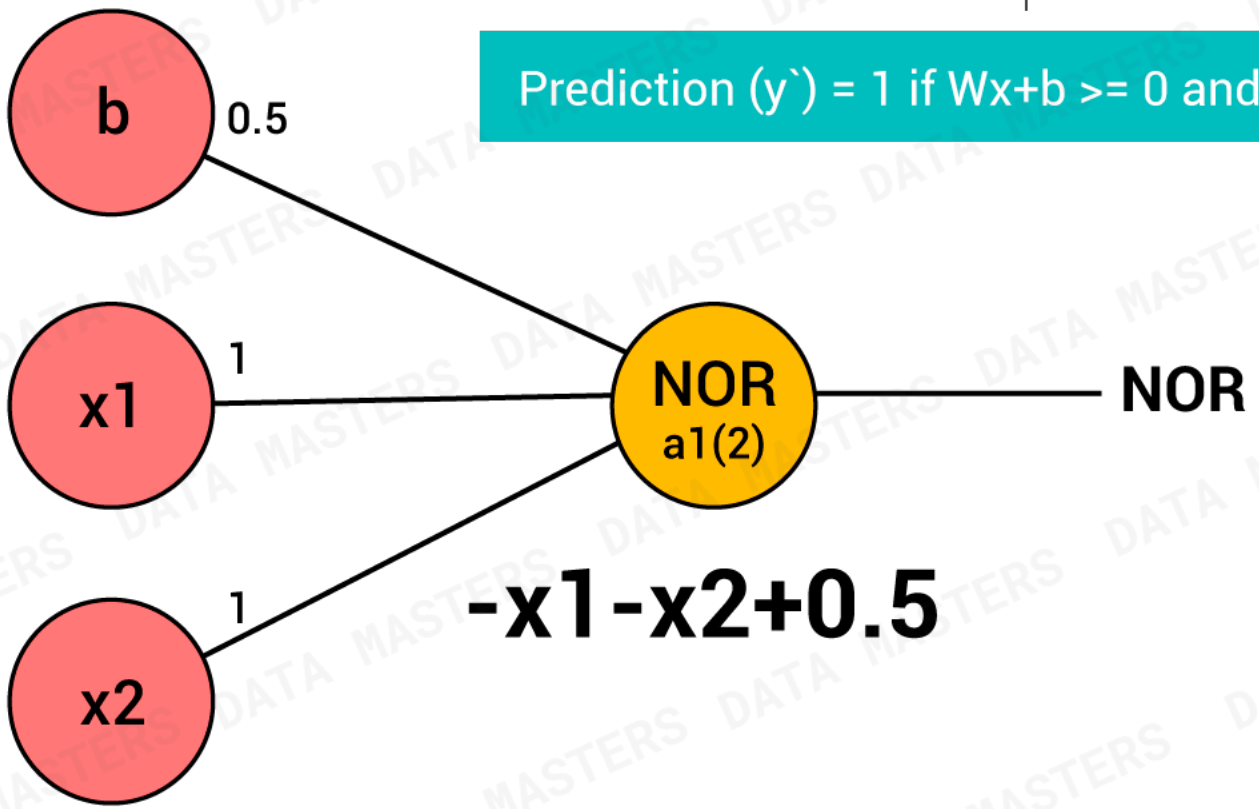
Prediction (y`) = 1 if Wx+b >= 0 and 0 if Wx+b < 0

-x1+0.5

Percettrone – operatore logico NOR



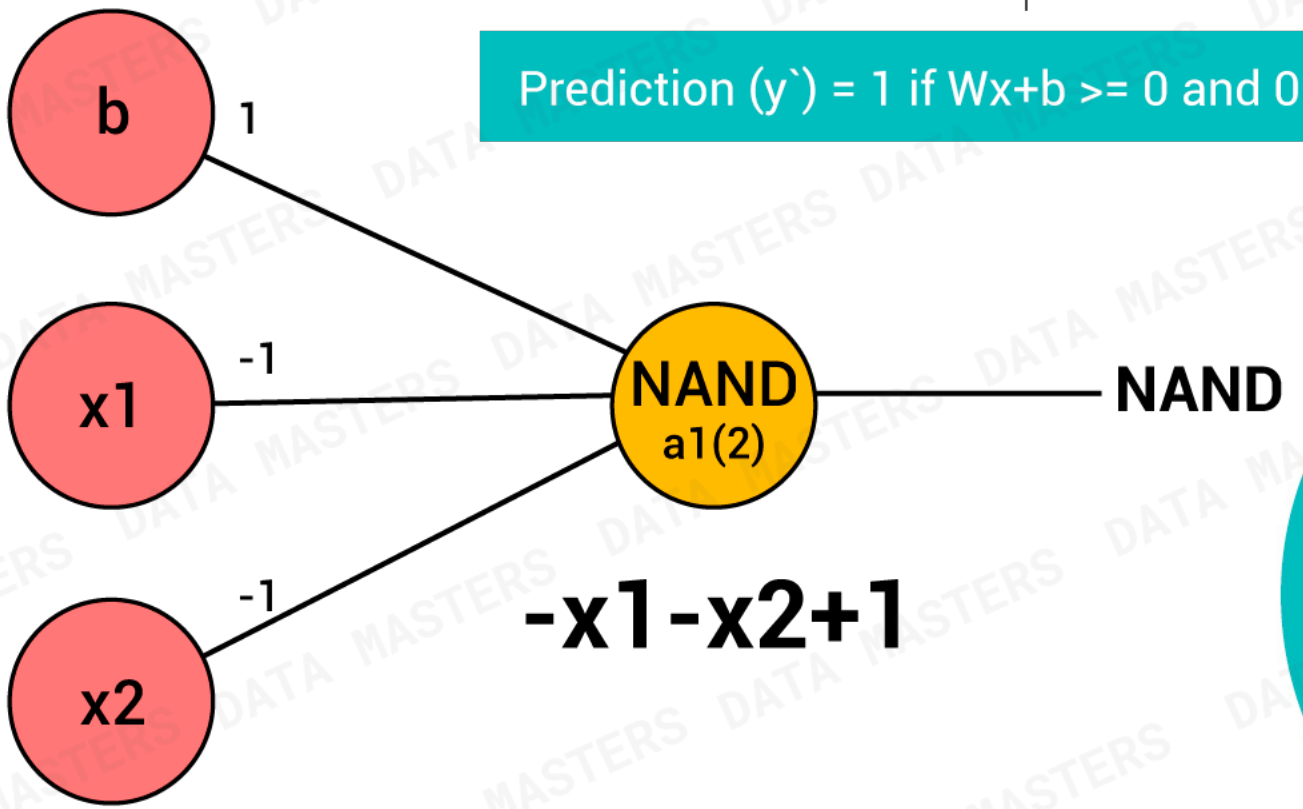
A	B	Out
0	0	1
0	1	0
1	0	0
1	1	0



Prediction (y`) = 1 if Wx+b >= 0 and 0 if Wx+b < 0

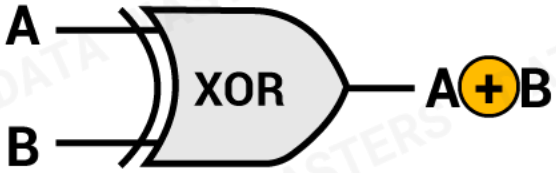
Percettrone – operatore logico NAND

A	B	Out
0	0	1
0	1	1
1	0	1
1	1	0

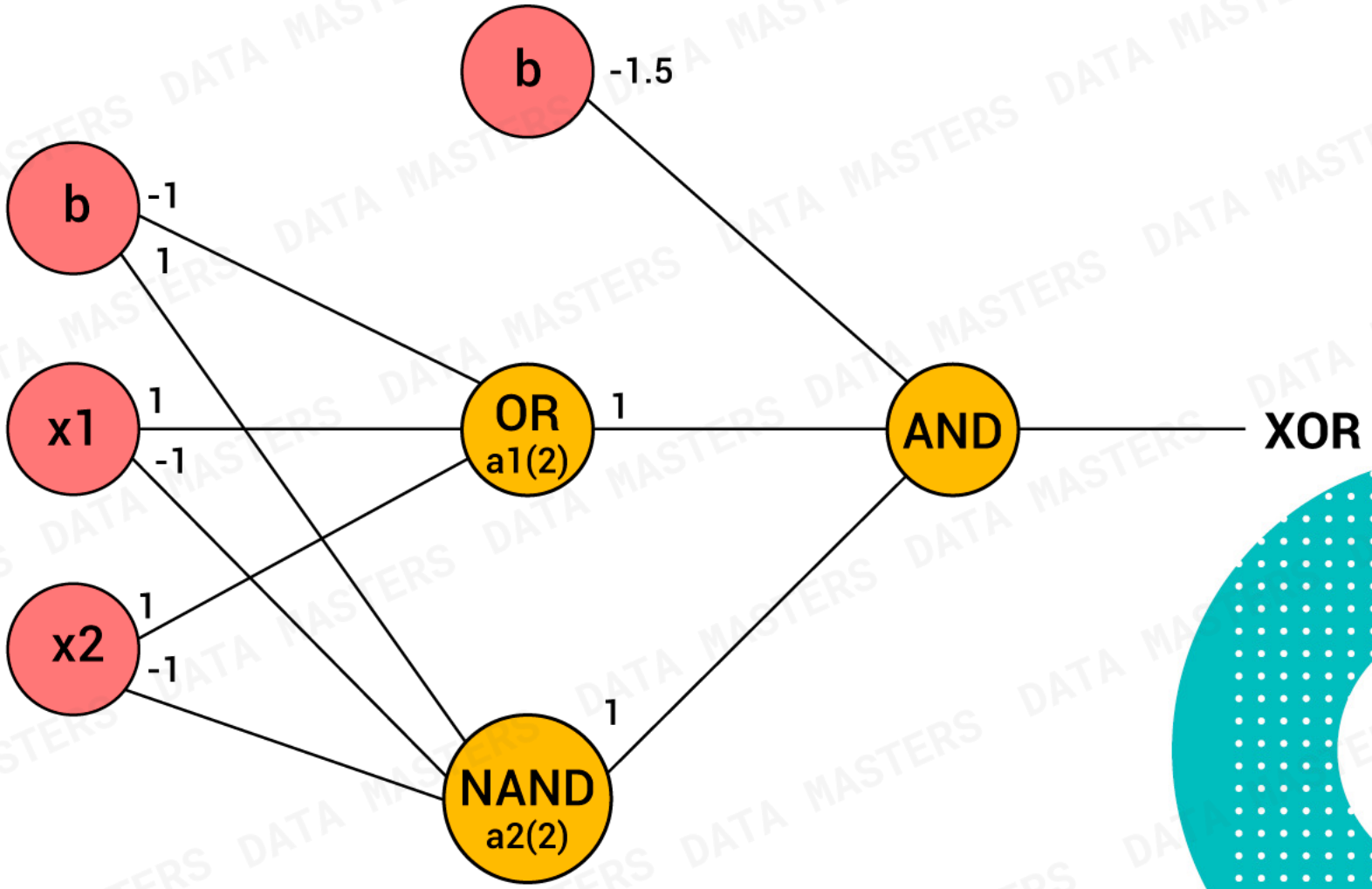


Prediction (y`) = 1 if Wx+b >= 0 and 0 if Wx+b < 0

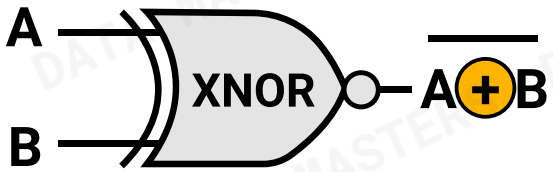
Percettrone – operatore logico XOR



A	B	Out
0	0	0
0	1	1
1	0	1
1	1	0



Percettrone – operatore logico XNOR



A	B	Out
0	0	1
0	1	0
1	0	0
1	1	1