

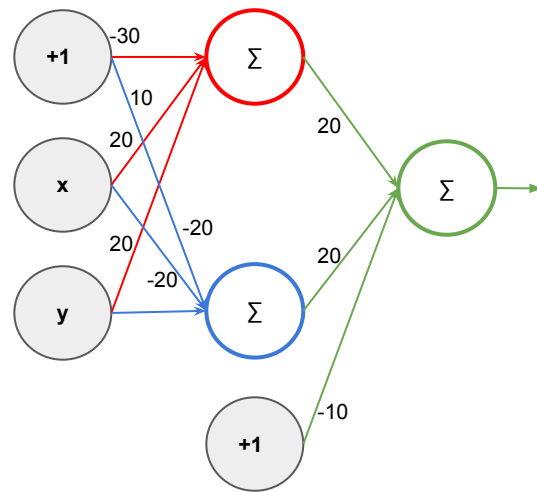
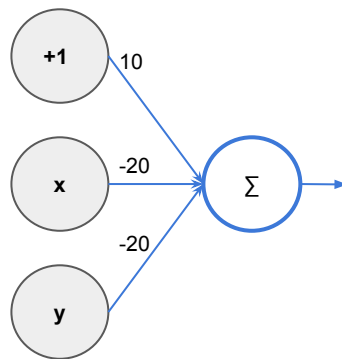
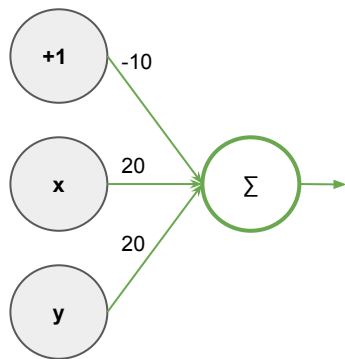
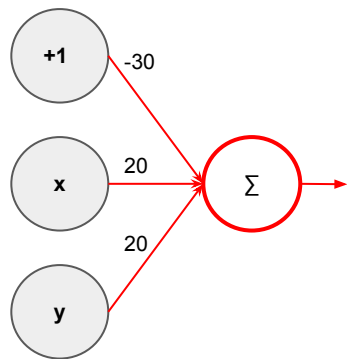
# A Hidden Layer for learning XNOR

x AND y		
x	y	f-and(x,y)
0	0	0
0	1	0
1	0	0
1	1	1

x OR y		
x	y	f-or(x,y)
0	0	0
0	1	1
1	0	1
1	1	1

(!x) AND (!y)		
x	y	f-rev-and(x,y)
0	0	1
0	1	0
1	0	0
1	1	0

x XNOR y		
x	y	f-xnor(x,y)
0	0	1
0	1	0
1	0	0
1	1	1



$$\text{XNOR} = (a \text{ AND } b) \text{ OR } (!a \text{ AND } !b)$$