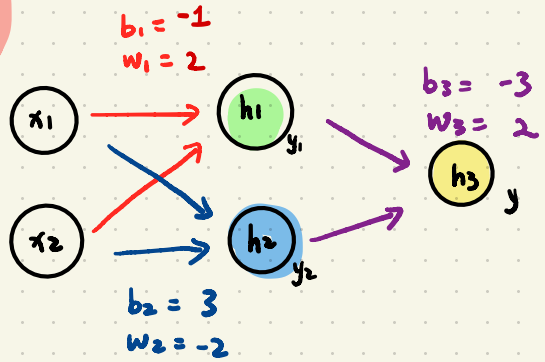
#1

x_1	x_2	y
0	0	0
0	1	1
1	0	1
1	1	0

#2



$y = \max(0, y)$

x_1	x_2	h_1	y_1	h_2	y_2	h_3	y
0	0	$\sigma(0\cdot2 + 0\cdot2 - 1)$	0	$\sigma(0\cdot-2 + 0\cdot-2 + 3)$	1	$\sigma(0\cdot2 + 0\cdot2 - 3)$	0
0	1	$\sigma(0\cdot2 + 1\cdot2 - 1)$	1	$\sigma(0\cdot-2 + 1\cdot-2 + 3)$	1	$\sigma(0\cdot2 + 1\cdot2 - 3)$	1
1	0	$\sigma(1\cdot2 + 0\cdot2 - 1)$	1	$\sigma(1\cdot-2 + 0\cdot-2 + 3)$	1	$\sigma(1\cdot2 + 0\cdot2 - 3)$	1
1	1	$\sigma(1\cdot2 + 1\cdot2 - 1)$	1	$\sigma(1\cdot-2 + 1\cdot-2 + 3)$	0	$\sigma(1\cdot2 + 1\cdot2 - 3)$	0

From the above table, we know that h_1 is an OR gate,
h_2 is a NAND gate
h_3 is a AND gate