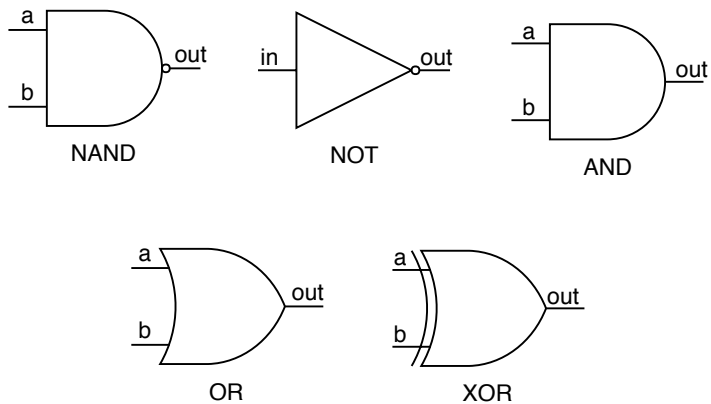


LEGEND:



Homework #1

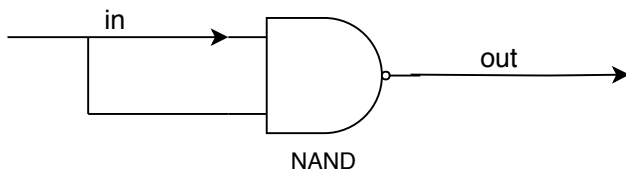
CS220 - Computer Architecture + Machine Language

Author: Vinh Pham

Section: 2653 M/W 3:30pm - 5:20pm

Last Modified: 1/22/2019

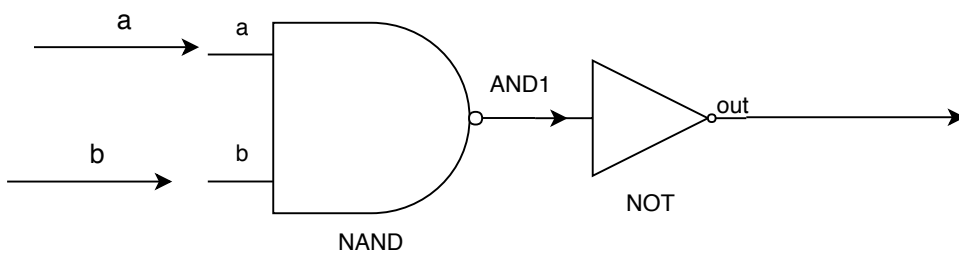
Not



in	out
0	1
1	0

And

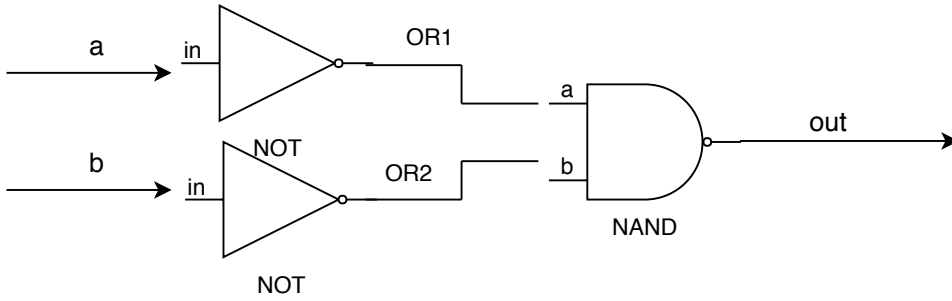
Function: $a * b$



a	b	out
0	0	0
0	1	0
1	0	0
1	1	1

Or

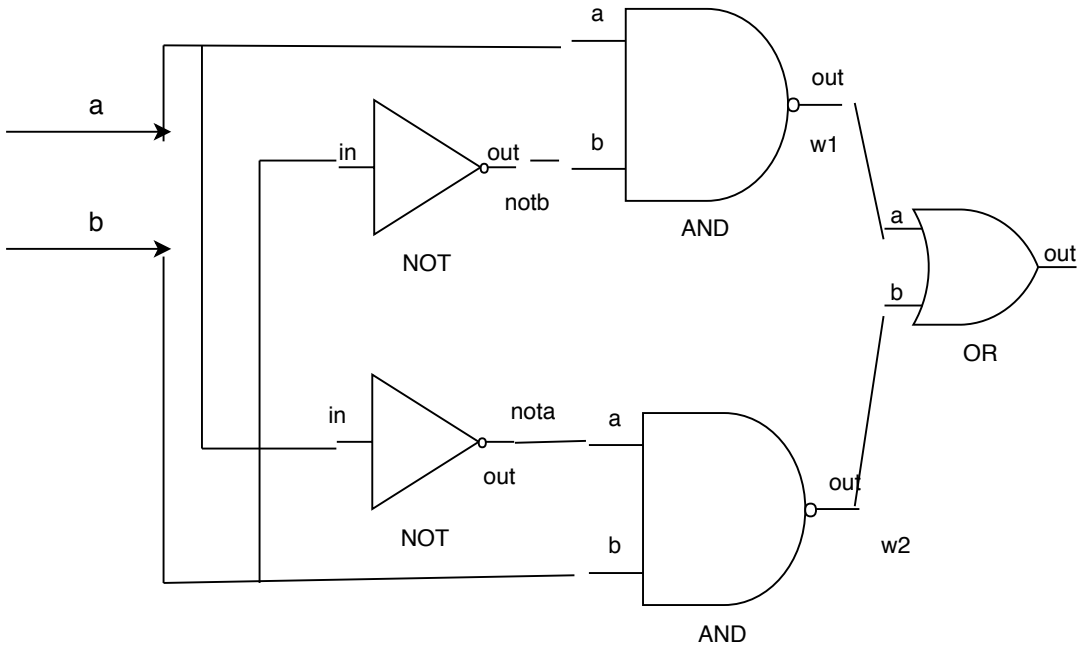
Function: $a + b$



a	b	out
0	0	0
0	1	1
1	0	1
1	1	1

Xor

Function:: $a * \bar{b} + \bar{a} * b$



a	b	out
0	0	0
0	1	1
1	0	1
1	1	0