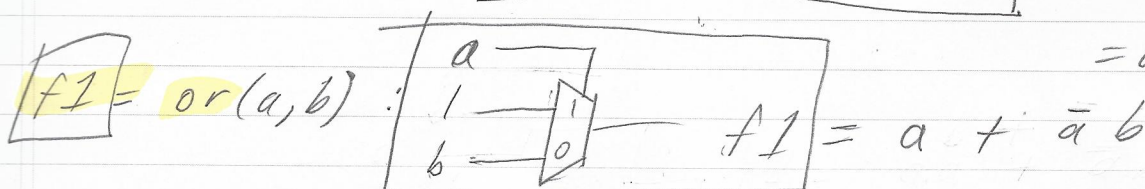
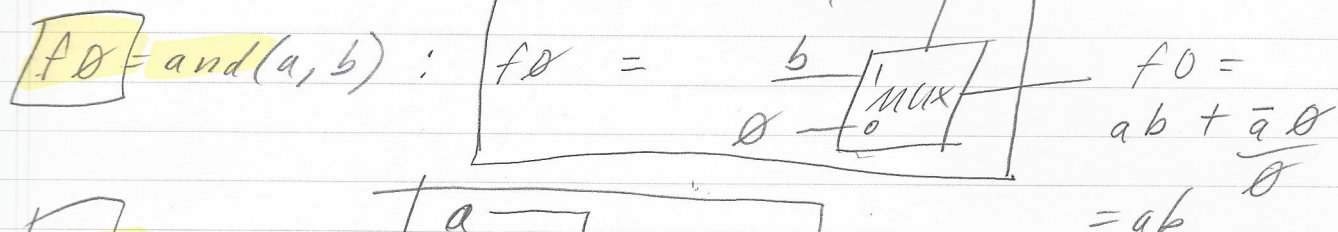
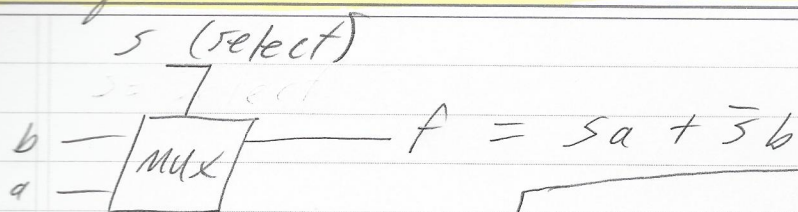
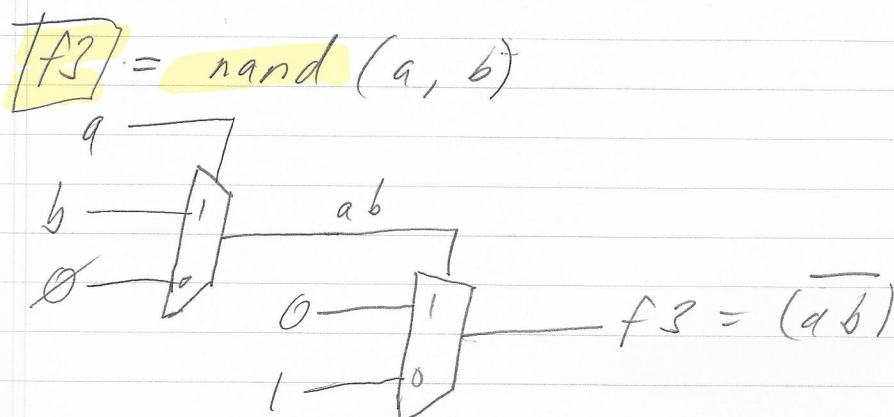
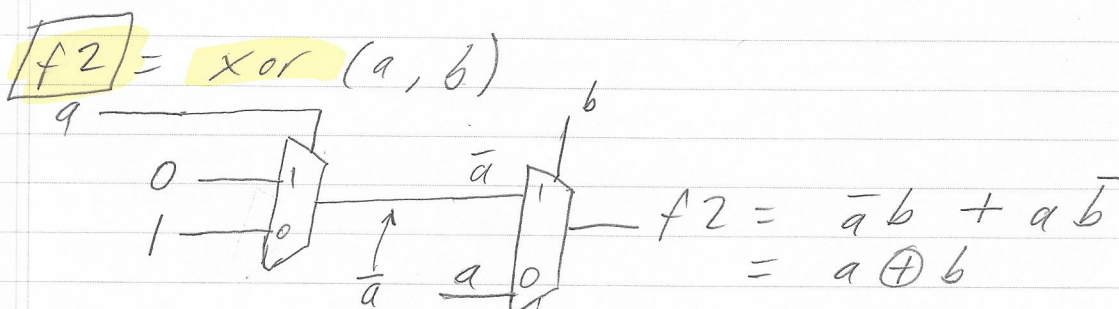


Verilog 0764 ~ HW2 - Problem 2.5.2

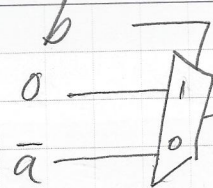
John Hubbard



a	b	a	$\bar{a}b$	$a + \bar{a}b = a + b$
0	0	0	0	0
0	1	0	1	1
1	0	1	0	1
1	1	1	0	1

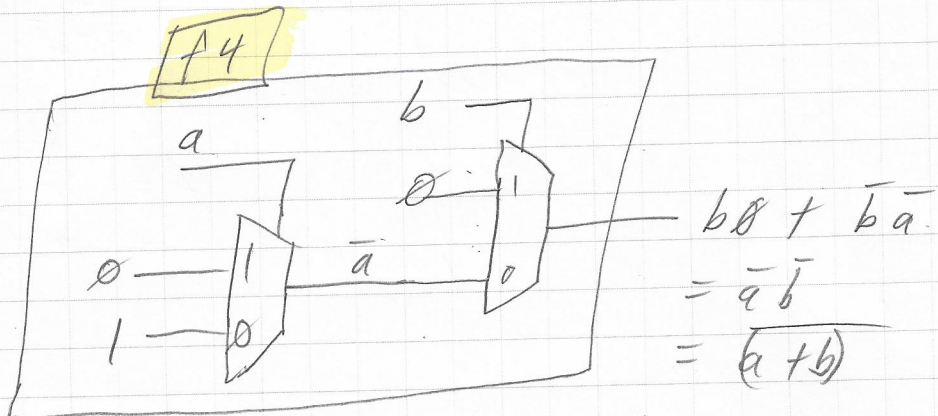


$f_4 = \text{nor}(a, b)$



$$f_4 = b\bar{a} + \bar{a}\bar{b}$$

a	b	$\overline{a+b} = \bar{a}\bar{b}$
0	0	1
0	1	0
1	0	0
1	1	0



$f_5 = \text{xnor}(a, b)$

a	b	xor	xnor
0	0	0	1
0	1	1	0
1	0	1	0
1	1	0	1

