

Part 2 Q4:

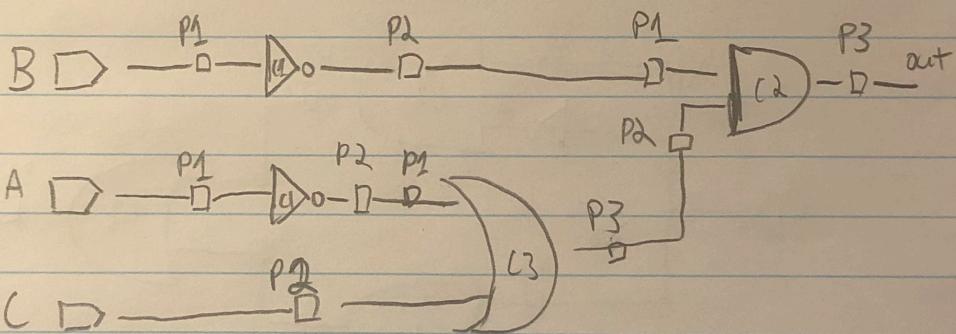
$$\text{Yes: } F = (a+b)' + cb' = a'b' + cb' = b' \cdot (a' + c)$$

$$\text{TT: } b' \cdot (a' + c) = f$$

a	b	c	f
0	0	0	1
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	0

a	b	c	f
0	0	0	1
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	0

a	b	c	f
1	0	0	0
1	0	1	1
1	1	0	0
1	1	1	0



Chips:

Pins All chips:

C1 - 74LS04 (NOT) P7 GND

C2 - 74LS08 (AND) P14 VCC

C3 - 74LS32 (OR)

(Chip count @ 4. compared to 5 from previous. (reduced 1 or gate))