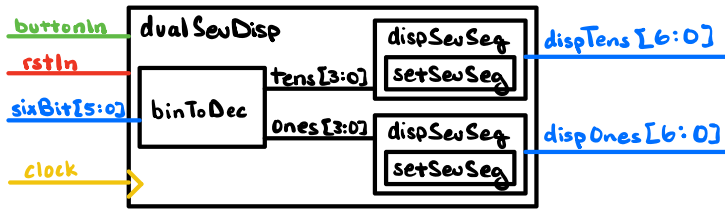
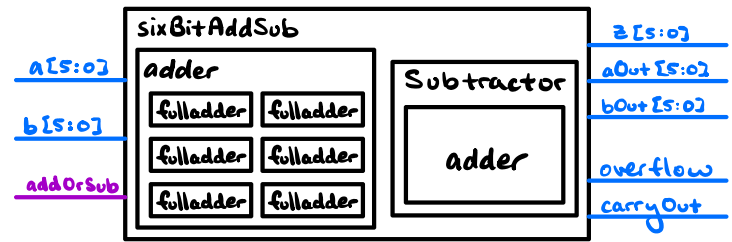


From lab 6

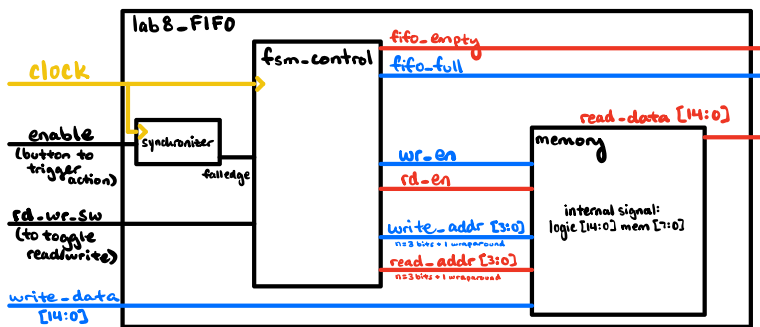
remove
button
input



From lab 4



From lab 8



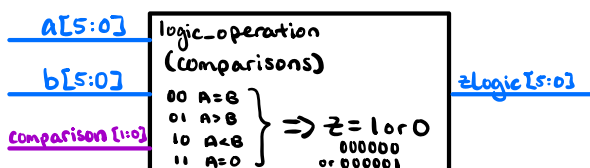
add
reset
to
FIFO!

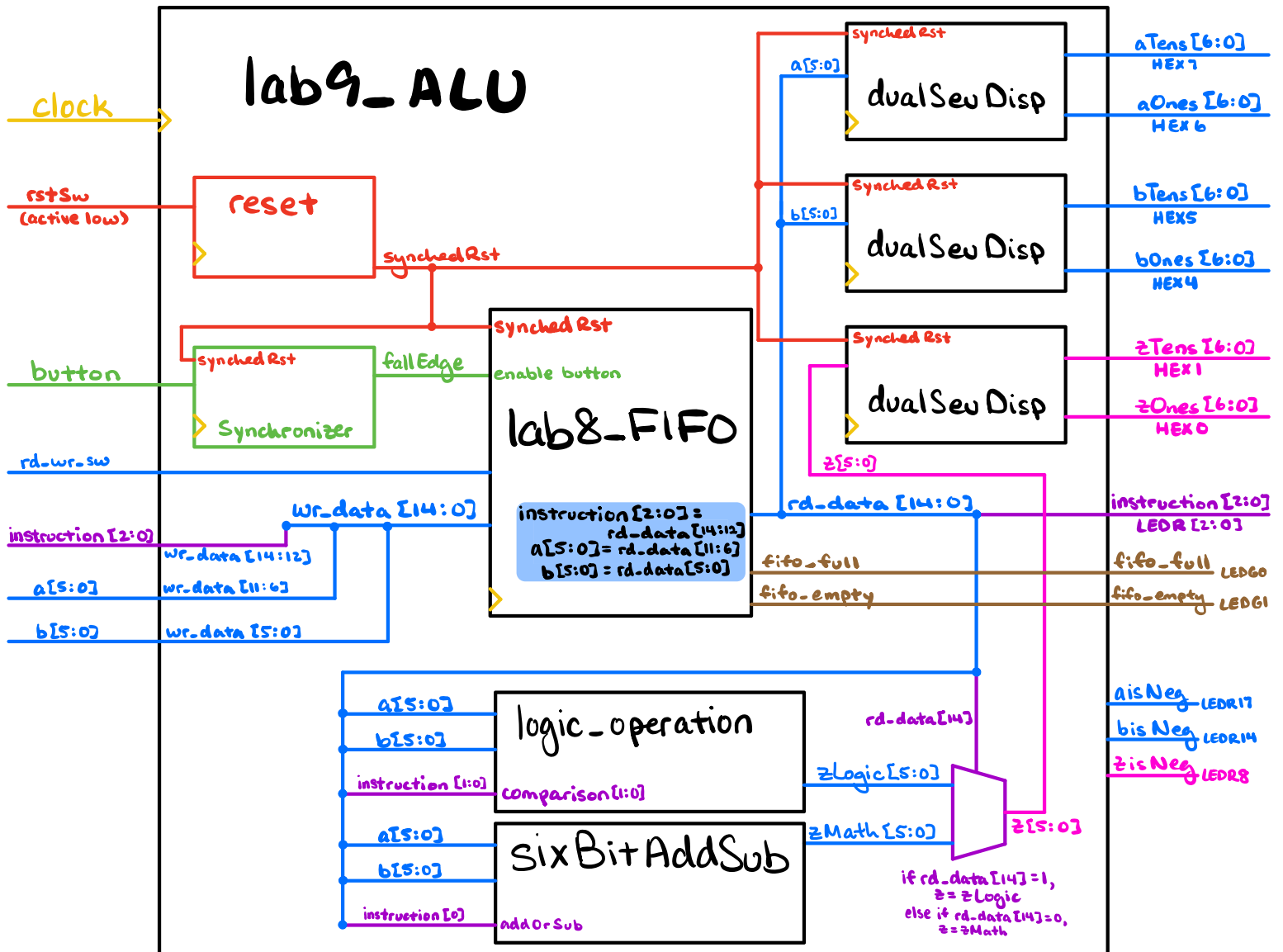
ALL FFs MUST
INCORPORATE RESET!
→ reset FSM, addr, & en

From lab 7

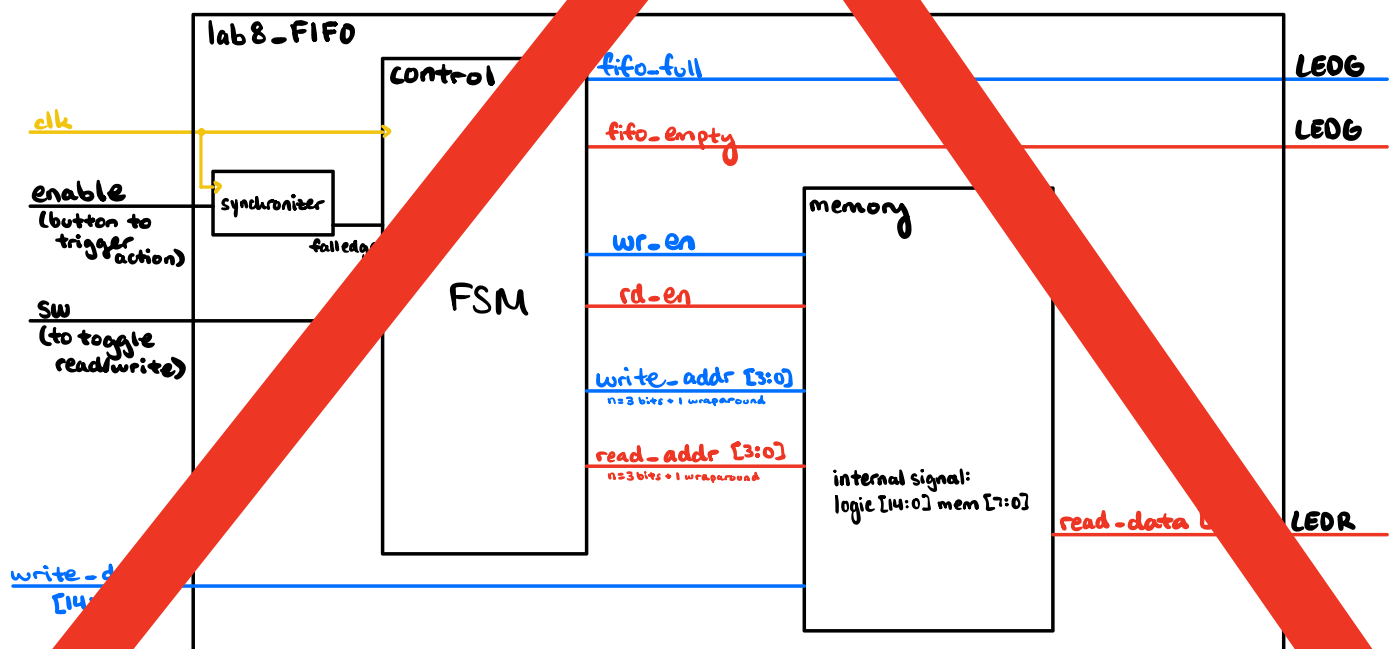
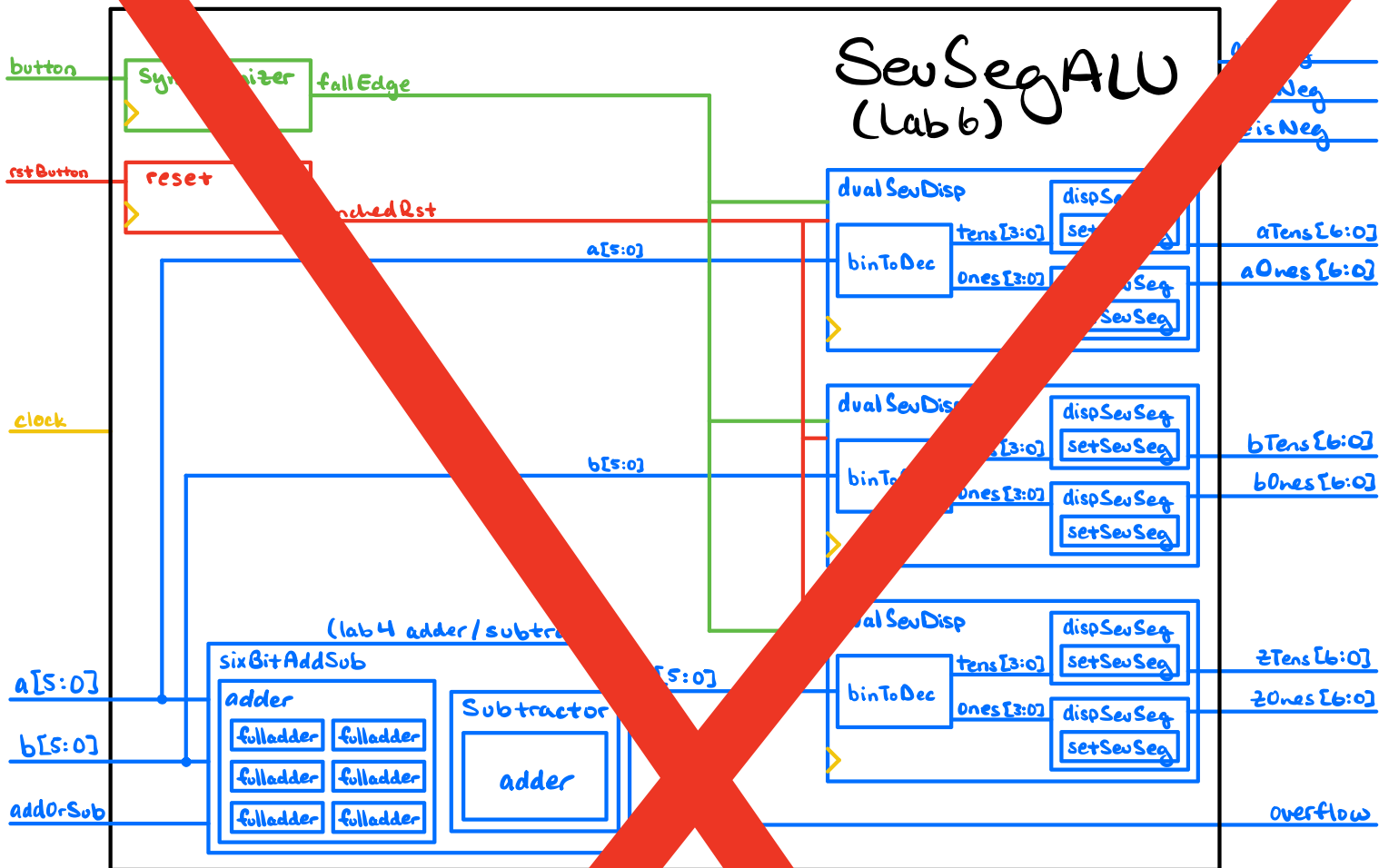


New Module

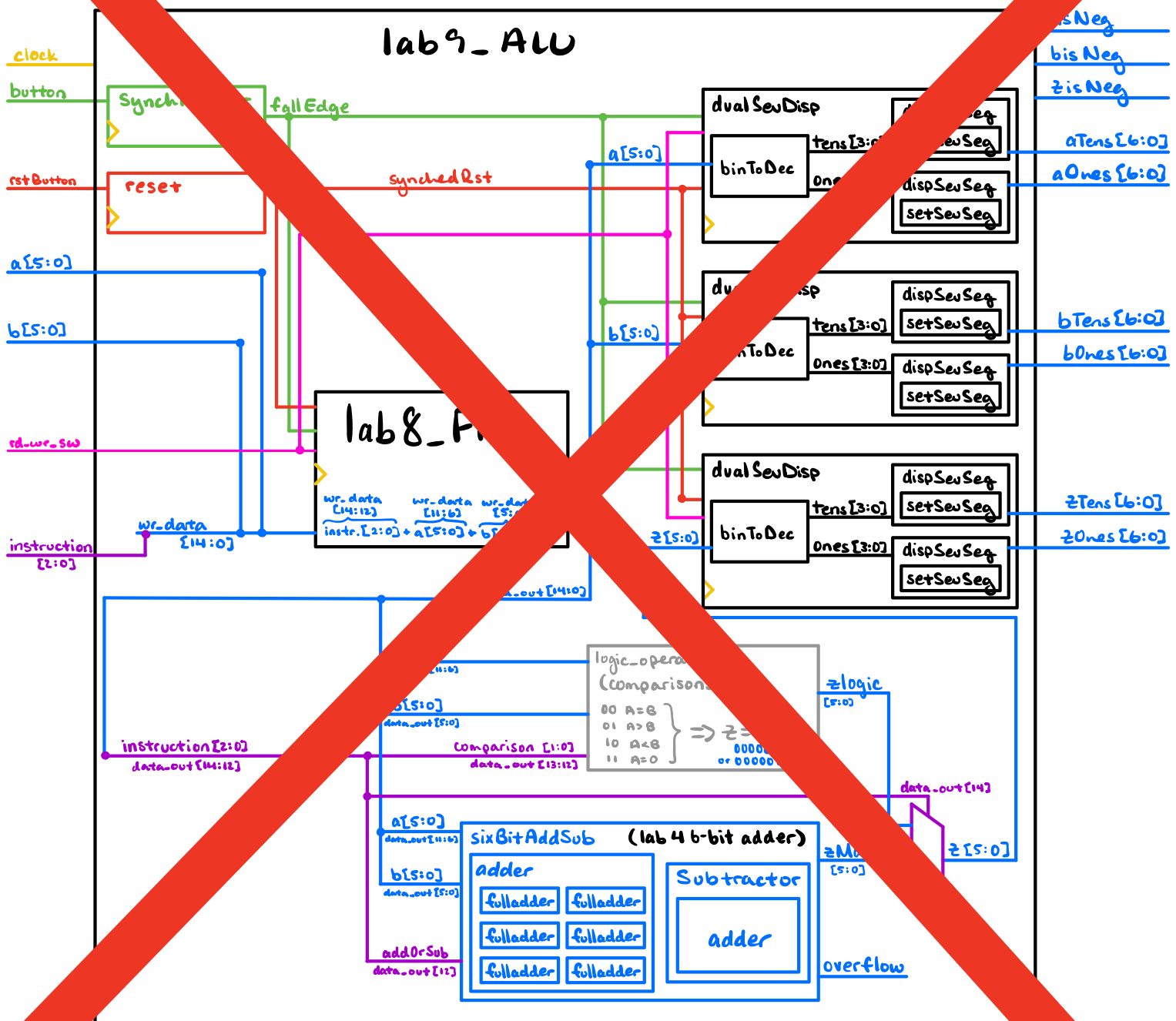




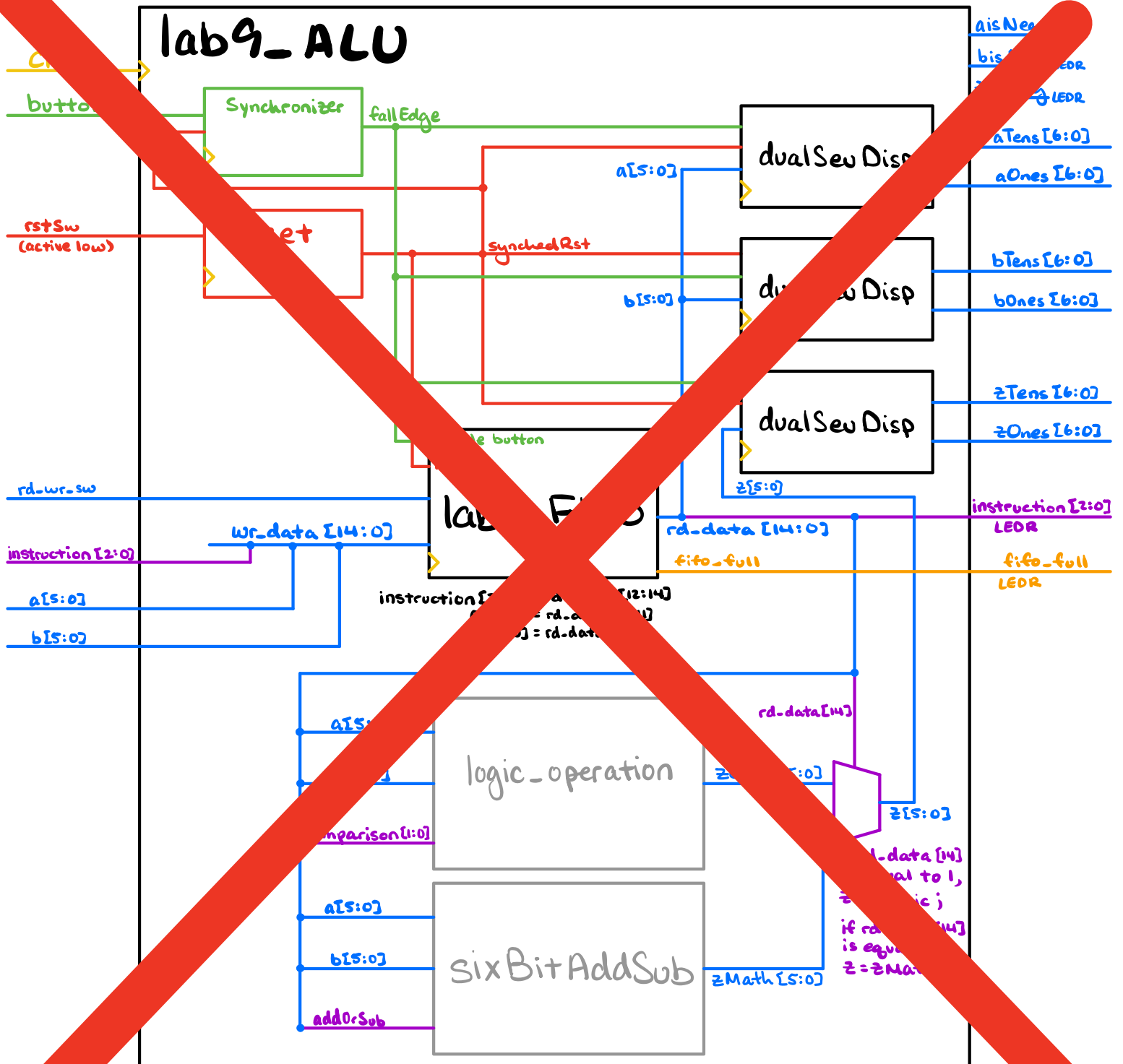
CURRENT PARTS



NEW ALU



lab9-ALU



OG 111011
000100
2sC 000101
111010
revert
back 111011

OG 101110
010001
2sC 010010
101101
revert
back 101110

The ALU will use the following Instruction Set:

Add = 000

Subtract = 001

Equal = 100

Greater than = 101

Less than = 110

A equal 0 = 111

	-15	-20		
000	110001	101100	011101	29
001			000101	5
000	30	24	110110	-10
001	011110	011000	000110	6
000	7	-8	111111	-1
001	000111	111000	001111	15
000	-8	7	111111	-1
001	111000	000111	110001	-15