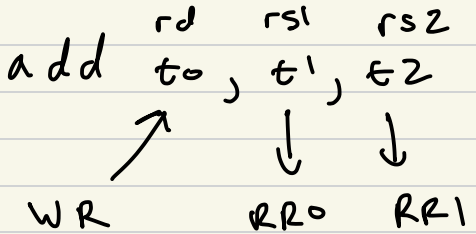
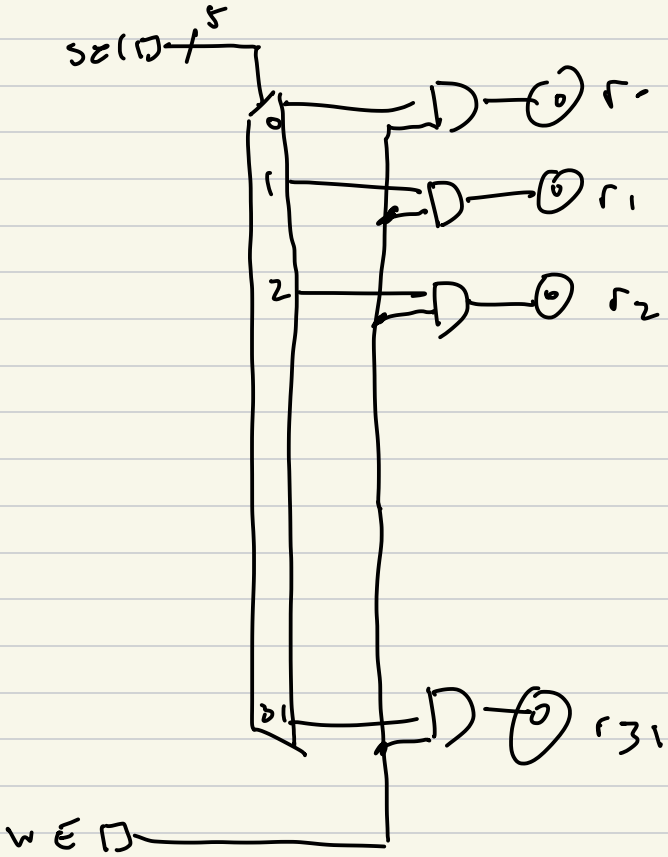
CS 315-01 Lab Processor ALU 2025-10-29

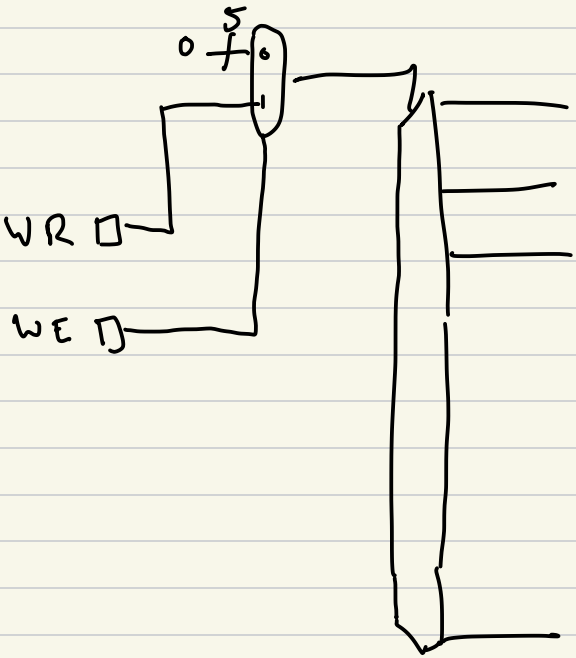


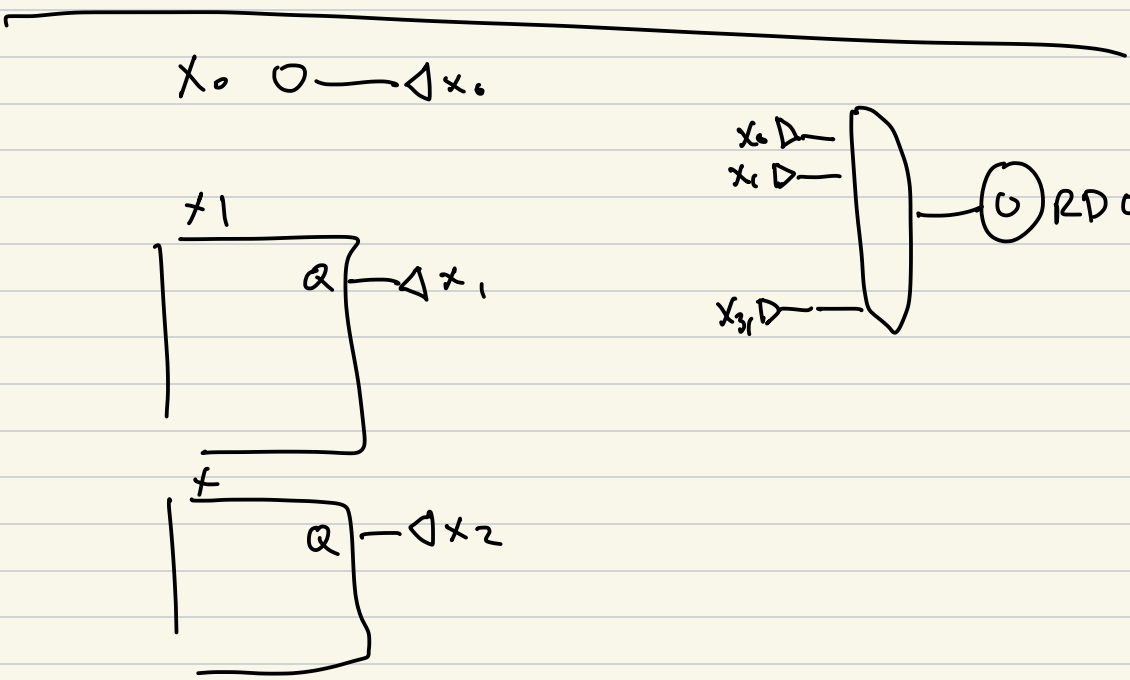
RD0 + RD1

Decoder with Enable

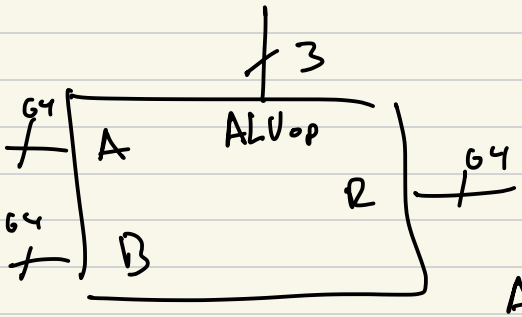


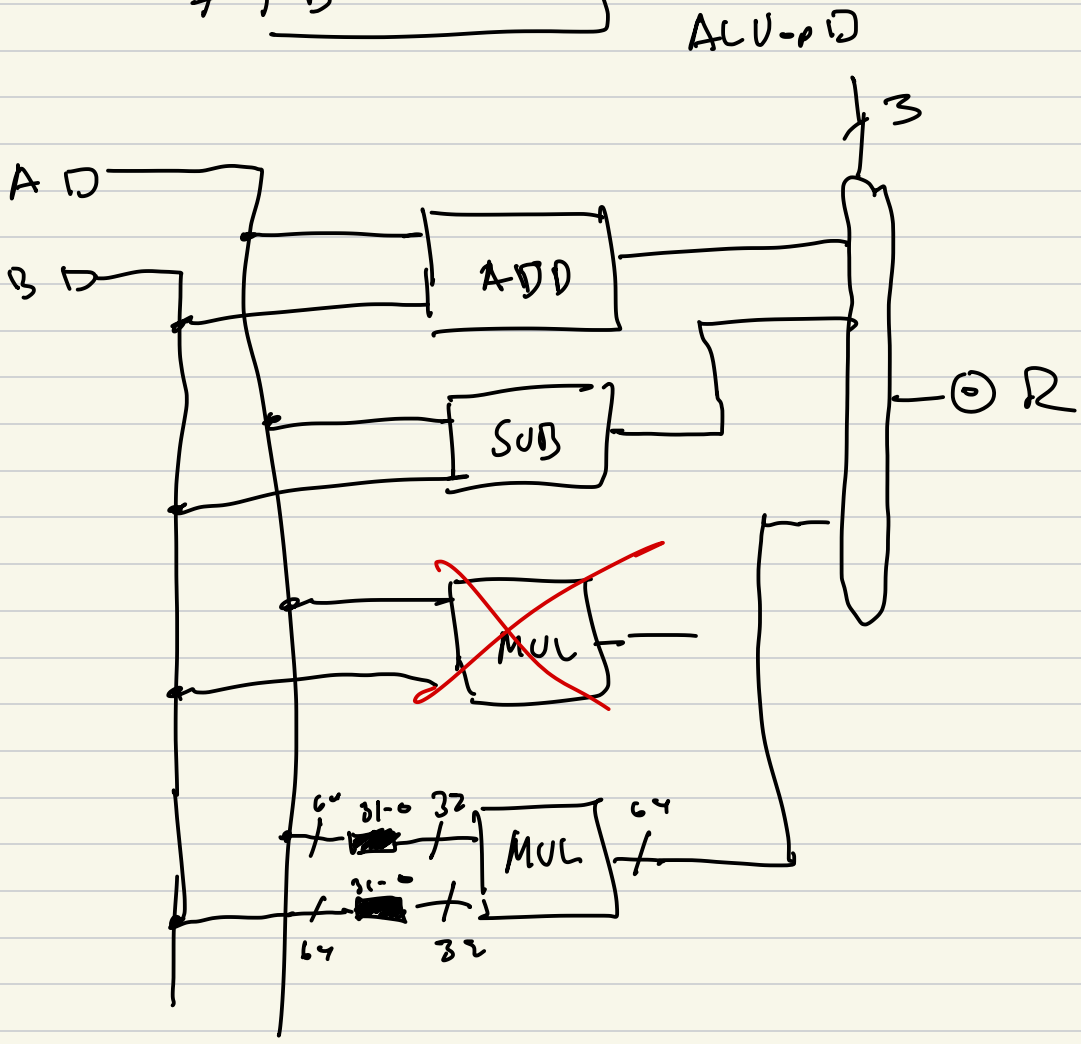
Alt Approach



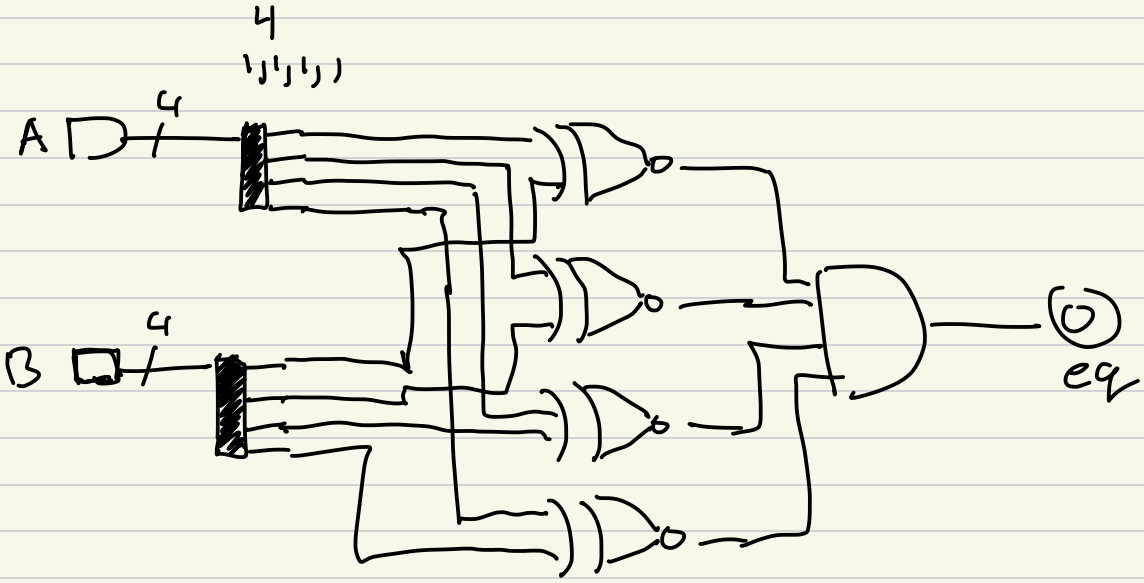


ALU Arithmetic Logic Unit





4-bit Comparator



a	b	XOR	XNOR
0	0	0	1
0	1	1	0
1	0	1	0
1	1	0	1