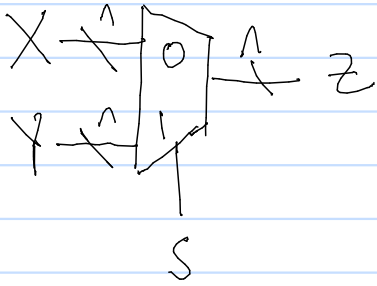
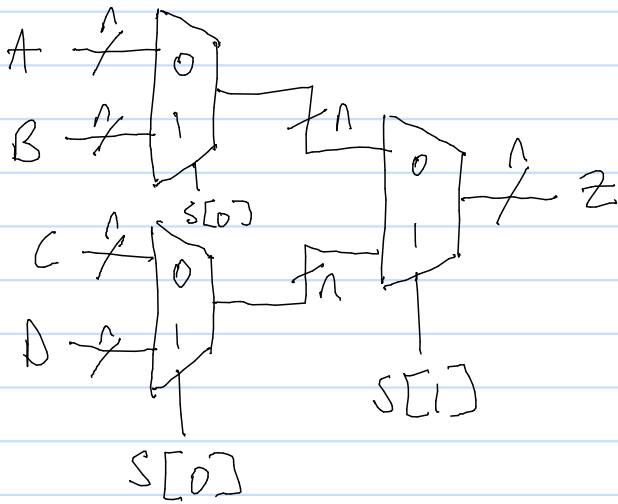


# MUX module (length n)

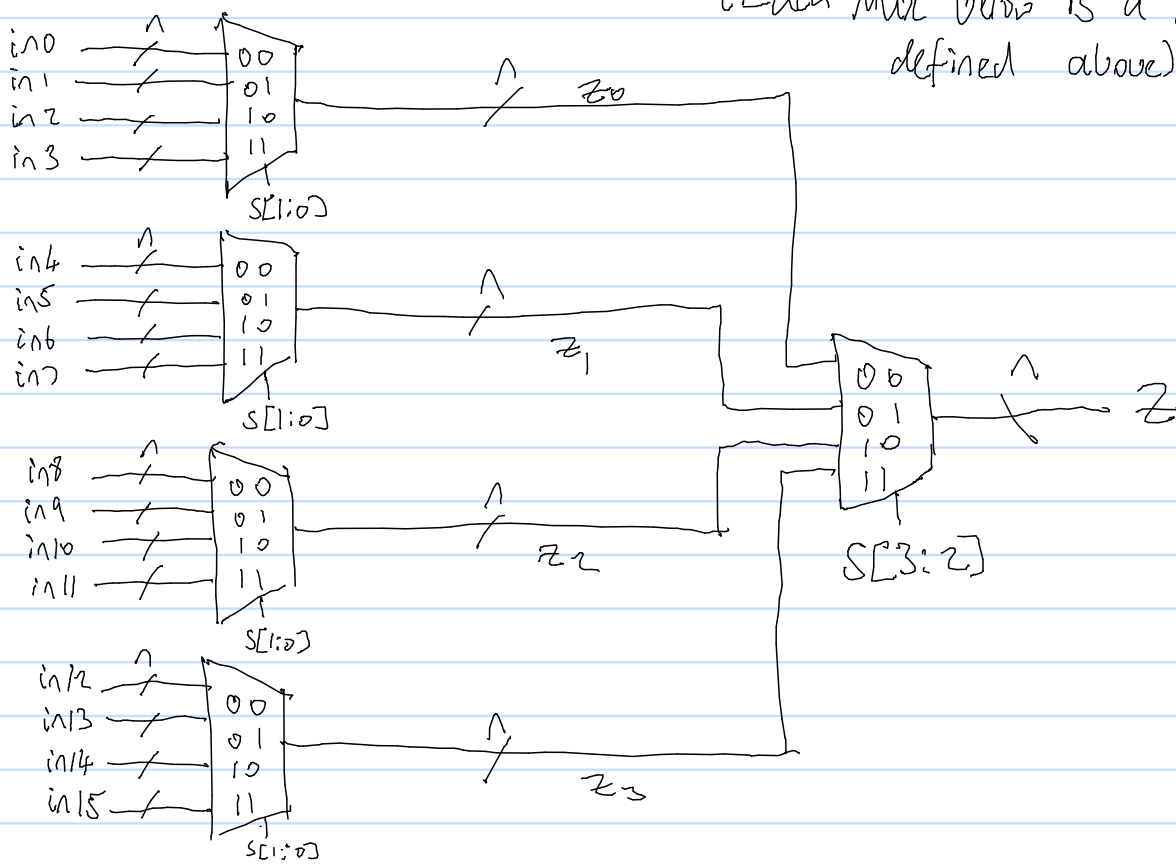
• Module mux-2to1:



• Module mux-4to1

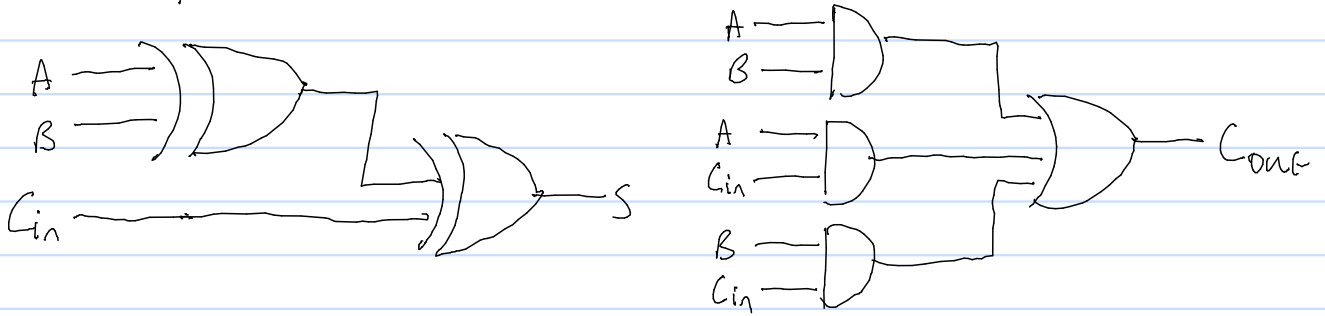


• Module mux-16to1:

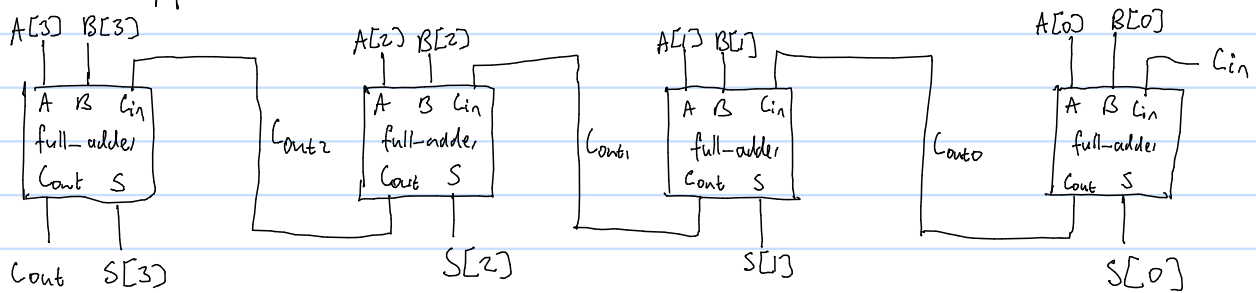


# ADD Modules

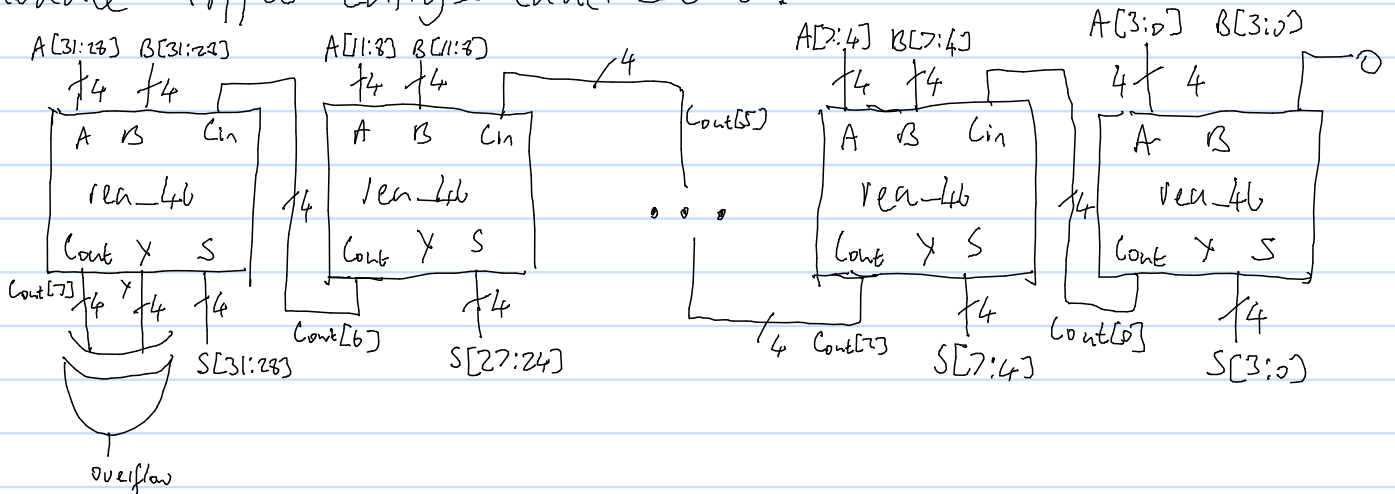
Module full-adder:



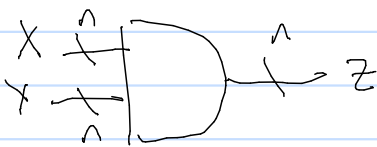
Module ripple-carry-adder-4b (rca4b):



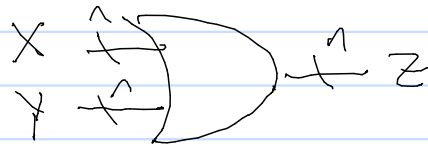
Module ripple-carry-adder-32b:



## AND



## OR



## XOR



## NOR

