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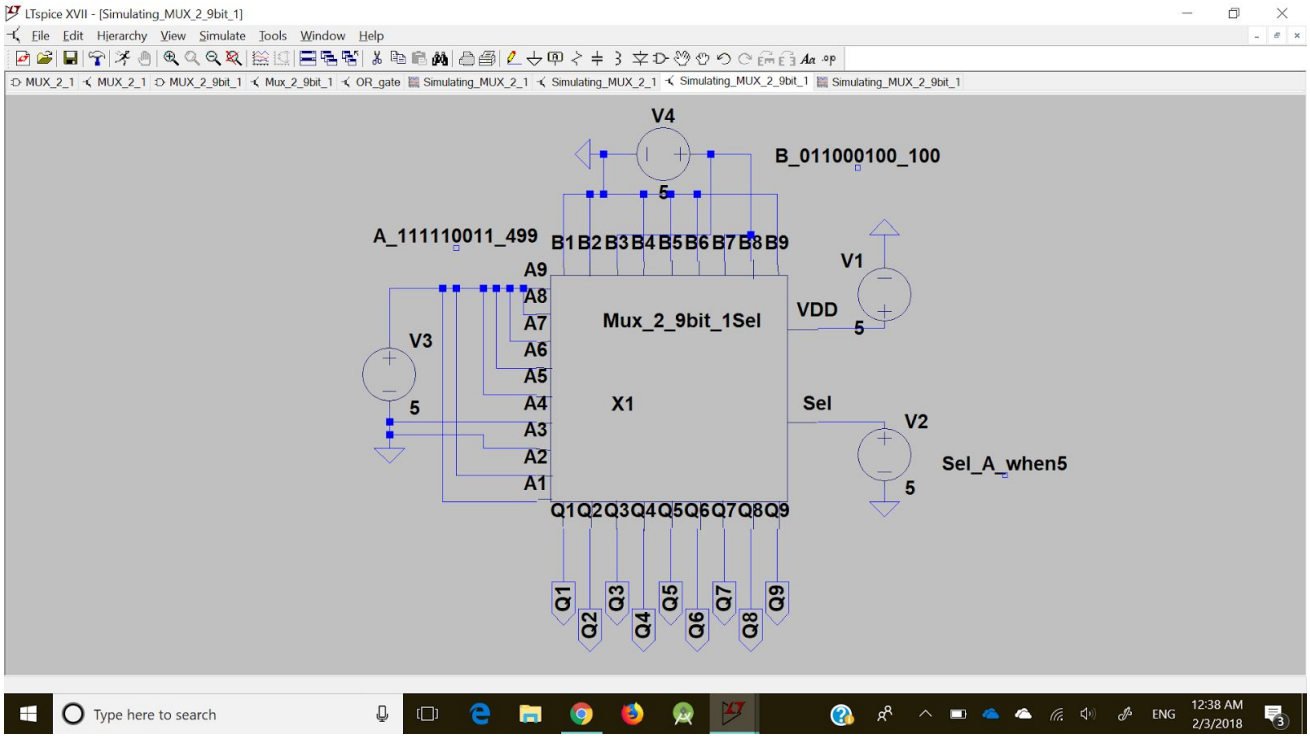
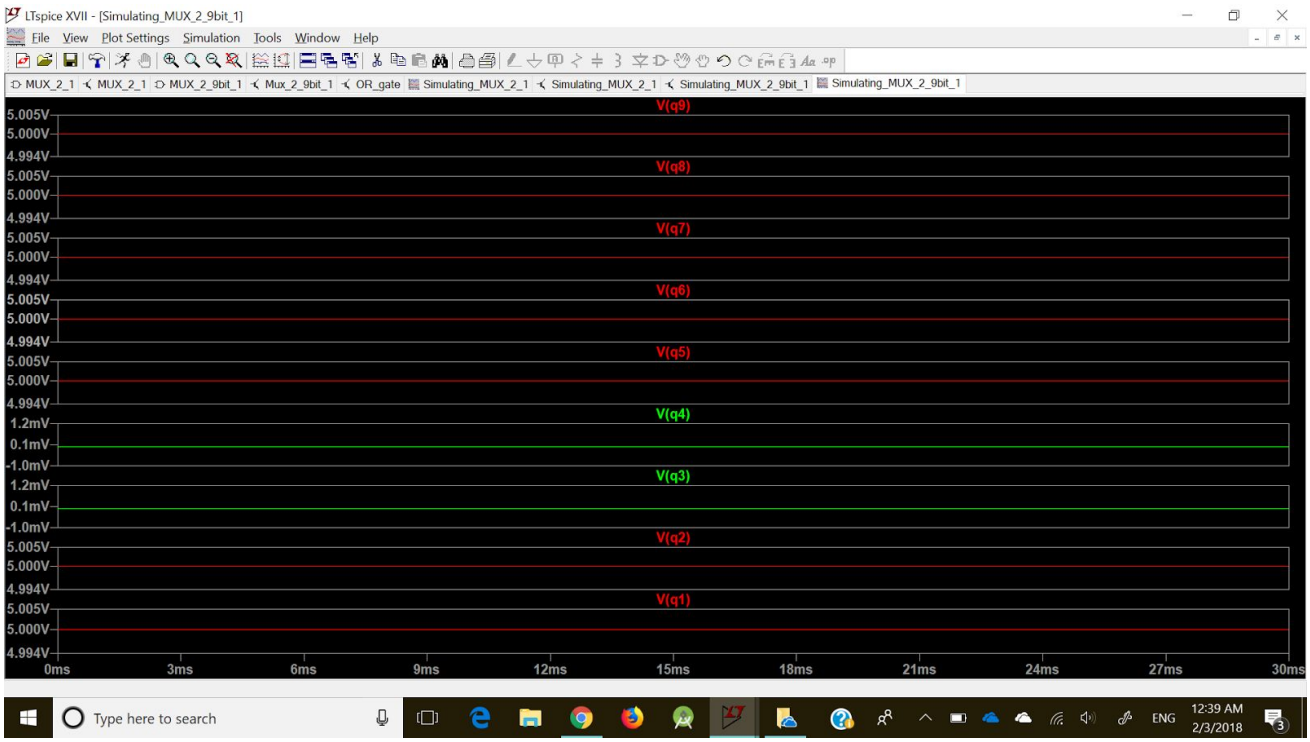
Collaborated with Tedmon Tran
EE 307 HW4
Feb 3, 2018

9 bit Mux and Mux with Multiplier & Adder





5D) Pictured above is my 9bit 2input 1select MUX. I set the value of A to be 499 (111110011), B to be 100 (011000100) and Sel to be on. The Select then choose to make the output Q the A value 111110011 as shown.

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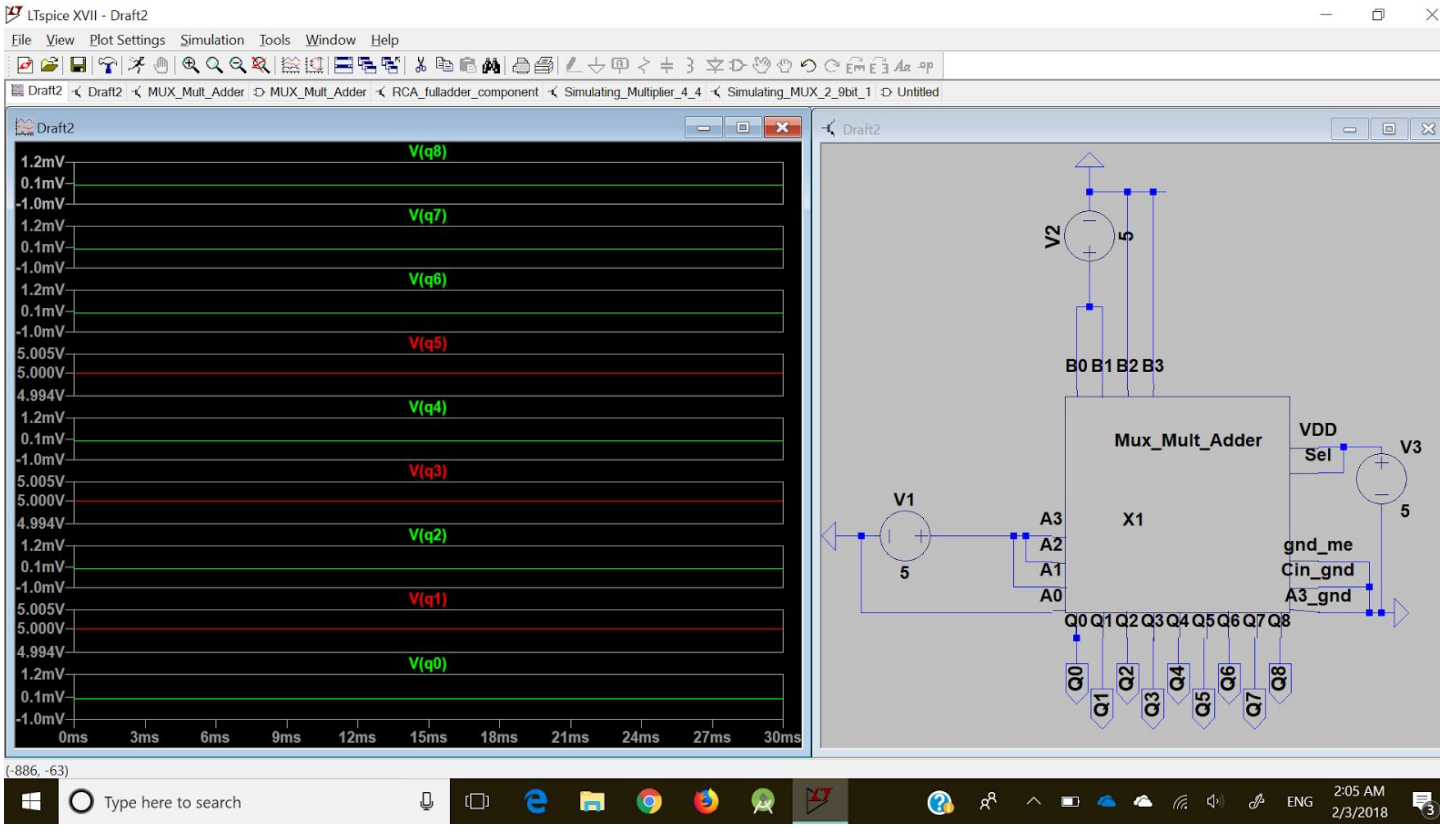

5F)
Set A=1110 and B=0011 and Sel to “1” so the 9bit MUX chose the multiplier which results in 3*14 = 42 (000101010)

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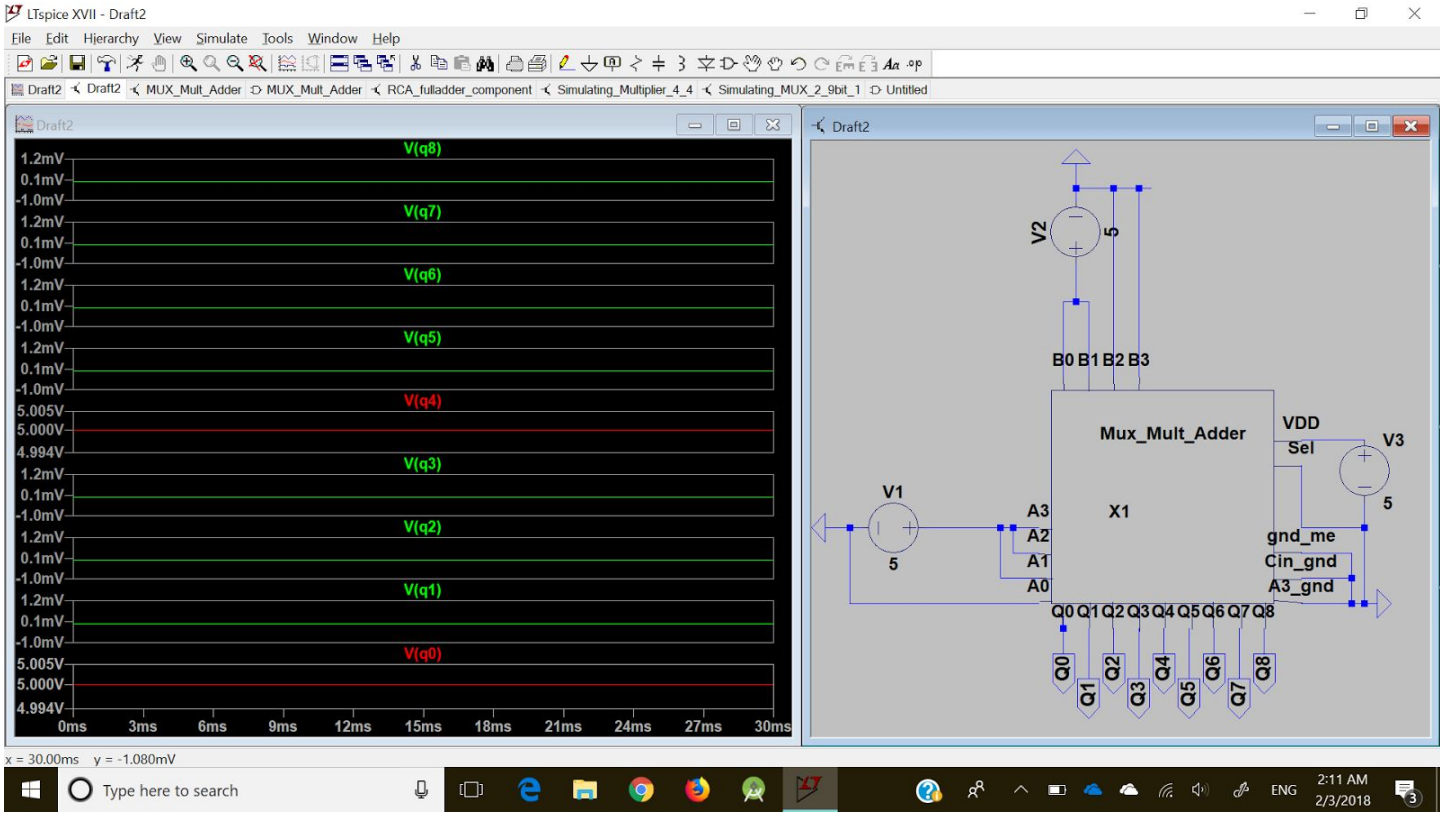

5F)

Set A=1110 and B=0011 and Sel to “0” so the 9bit MUX chose the adder which results in 3+14 = 17 (000010001)