Pre-Lab 6   Alan Palayil
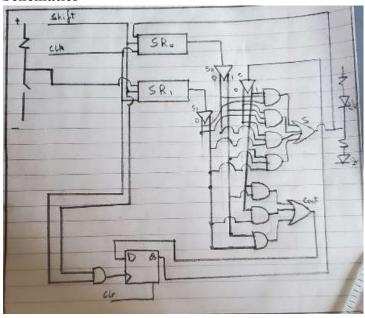
ECE218-L04   Lab Date: 22 Mar 21
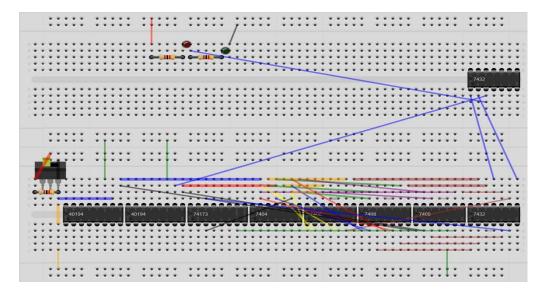
Dr. Borkar   Due Date: 22 Mar 21

TA: Muyu Yang

Preliminary Questions

1. See schematics.
2. See breadboard.
3. Actions to operate adder:
   a. Set clear to high, to begin use of flip-flops and shift registers.
   b. Turn on waveform generator set to four cycles on trigger and input first number using switch starting with the least significant bit.
   c. Repeat step c with the second number.
   d. Turn switch off and trigger waveform generator again. Observe LED.

Schematics

Breadboard

Data Sheet

Input A	Input B	Output
0111	0001	1000
0111	1000	1111
0110	0101	1011
1000	0001	1001
1000	1110	0110
0011	0010	0101