Lab 2 Test Cases

Input A is on the left and input B is on the right

0 + 0

0 + 1

1 + 1

1 + 2

2 + 2

2 + 4

4 + 4

4 + 8

8 + 8

15 + 15

Lab 3 Test Cases are the same as lab 2 with additional test cases to verify the decoder works. Make certain all hex characters 0 thru F are correct (recall lower caser for b and d).

Lab 4 Test Cases

Input A is on the left and input B is on the right

0 + 0

0 + 5

-7 – 0

2 + 4

-2 + -2

7 + -4

-6 + 1

5 + 6

-8 + -1

6 – 5

-3 – (-5)

2 – (-5)

-5 – 3

1 – (-8)

-4 – 6

Lab 5 Test Cases

The same as lab 4 with additional test cases to verify memory and enter as well as reset / clear work.

Sequence Detector Test Cases

Four Test cases; finds sequence with button not pressed, does not find sequence with button not pressed, finds sequence with button pressed and does not find sequence with button pressed.