

## Lab C

Test ID	x	y	sel	Carry Out Expected	Overflow Expected	Sum Expected	Carry Out Observed	Overflow Observed	Sum observed	Pass or Fail
1	6'b00_0001	6'b00_0100	0	1'b0	1'b0	6'b00_0101	1'b0	1'b0	6'b00_0101	Pass
2	6'b00_0000	6'b00_0000	0	1'b0	1'b0	6'b00_0000	1'b0	1'b0	6'b00_0000	Pass
3	6'b00_0001	6'b00_0100	1	1'b0	1'b0	6'b11_1101	1'b0	1'b0	6'b11_1101	Pass
4	6'b00_0000	6'b00_0000	1	1'b1	1'b0	6'b00_0000	1'b1	1'b0	6'b00_0000	Pass
5	6'b11_1111	6'b00_0001	0	1'b1	1'b0	6'b00_0000	1'b1	1'b0	6'b00_0000	Pass
6	6'b11_1111	6'b00_0001	1	1'b1	1'b0	6'b11_1110	1'b1	1'b0	6'b11_1110	Pass
7	6'b01_0000	6'b01_0000	0	1'b0	1'b1	6'b10_0000	1'b0	1'b1	6'b10_0000	Pass
8	6'b11_1000	6'b10_0111	0	1'b1	1'b1	6'b01_1111	1'b1	1'b1	6'b01_1111	Pass