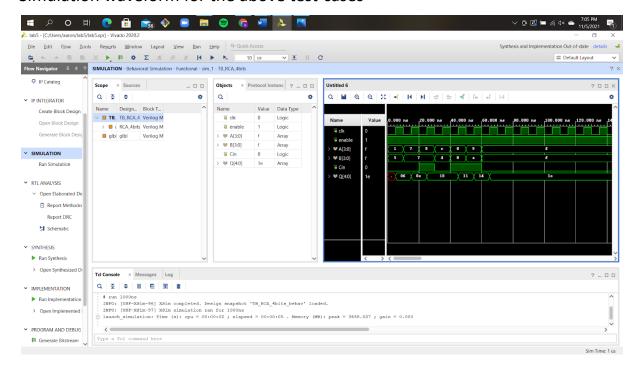
i. Complete Table 1 from the simulation(Ripple adder)

A[3:0]	B[3:0]	Cin	Sum[3:0]	Cout
0001	0101	0	0110	0
0111	0111	0	1110	0
1000	0111	1	0000	1
1100	0100	0	0000	1
1000	1000	1	0001	1
1001	1010	1	0100	1
1111	1111	0	1110	1

i. Simulation waveform for the above test-cases

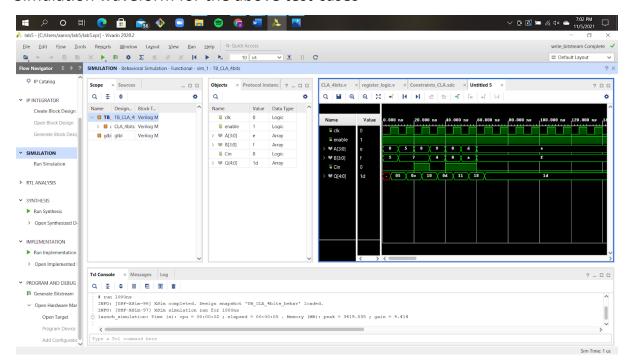


i. Complete Table 2 from the simulation(Carry lookahead adder)

A[3:0]	B[3:0]	Cin	Sum[3:0]	Cout
0000	0101	0	0101	0
0101	0111	0	1100	0
1000	0111	1	0000	1
1001	0100	0	1101	0
1000	1000	1	0001	1
1101	1010	1	1000	1
1110	1111	0	1101	1

Table 2. Testcases for Carry Lookahead Adder Verification

i. Simulation waveform for the above test-cases



i. Screenshots of the gate-level schematics for both the adder techniques

