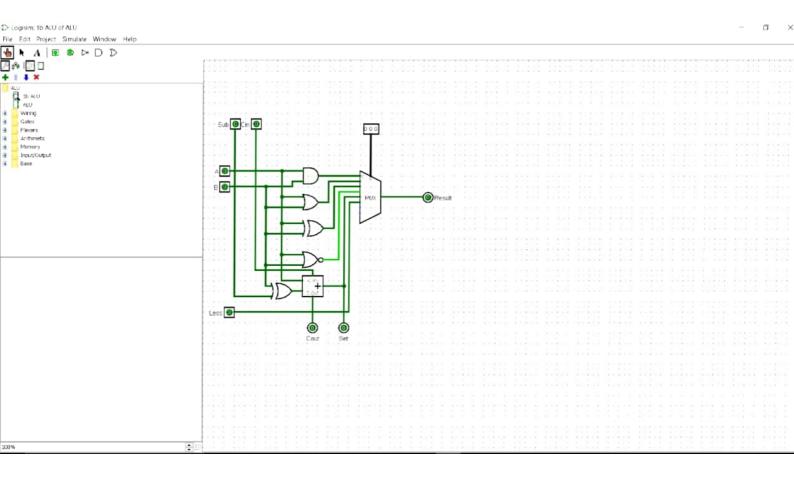
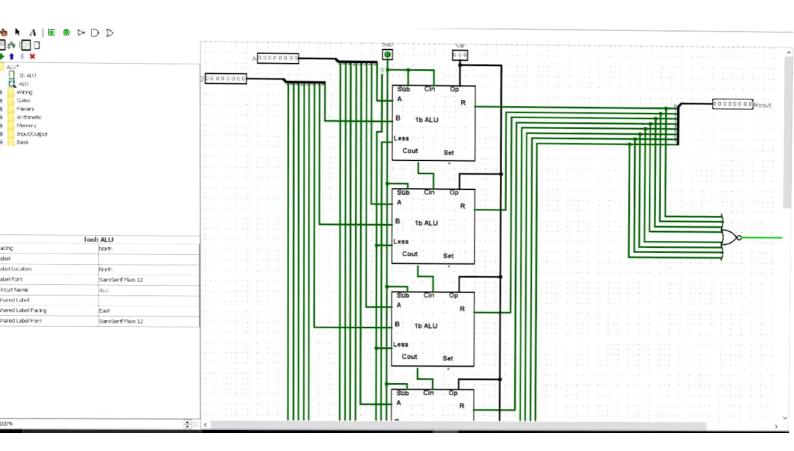
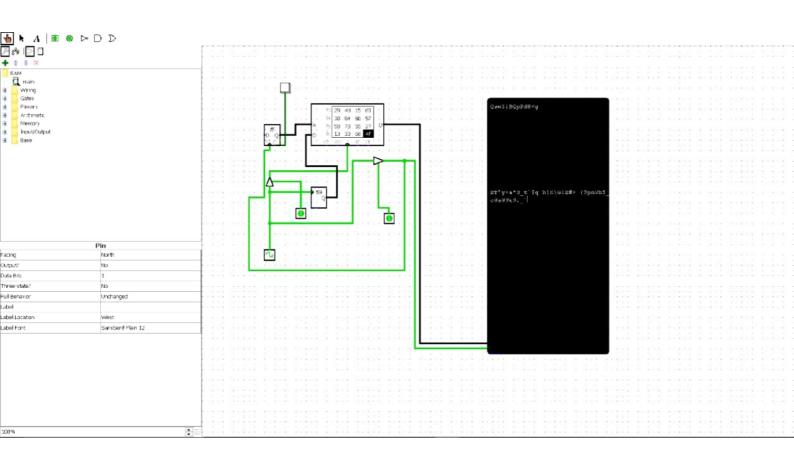
S. L. Karthik C.O. LAB - ACTIVITY V IMS18CS055 B' Objective to simulate working of ALV. List out the steps in designing ALU 1. Add the two i/p pins. Name them A and B. 2. Add or, and, ex-or, nor gates and a 1-bit adder. 3. Connect the A's and B's of all the gates to their respective pins, 4. Add an output pin and name it result.
5. Add a 1-bit multiplexer with 3 select bits. 6. Connect outputs of all the gates to the MUX. 7. Connect 3-bit input pin to mux. 8. Add i/p pin to Cin, and output pin to Cour. 9. Add an ex-or gate, connect its i/p to Cout. The first ilp must be connected to B and the second one to another input pin sub. 10. Add another i/p and name it Less. Connect it to the mux 11. Add an output pin and name it set, connect it to the of of adder circuit.





5. L. Karthik C.O. LAB - ACTIVITY VI IMS18CS055 Objective To simulate working operation on memory. List out the steps in designing memory system 1. Add a RAM with separate load and share selected. 2. Add a counter and connect a seas to A of the RAM 3. Add a controller buffer and connect its o/p to the RAM 4. Add a clock and connect it to the i/p of the buffer 5. Add a TTY unit with 32 rows and columns. Make the connections with RAM. 6. Add a 7-bit random number generator, connect Q to D. 7. Add another controlled buffer, connect to TTY. Also add an ilp pin to the buffer. 8. Connect the output of the second buffer to the counter. 9. Connect a button to the counter.



S.L. Karthik IMS1805055 IV B	Objective to 1	ACTIVITY VII learn, analyze performance of CPU by upping of instructions using CPUOS simulator
With diagram di Lw \$10,20(\$1) sub \$11,42,\$3 add \$12,\$3,\$4 Lu \$13,24(\$1) add \$14,\$5,\$6	emondiate executi	South of tell instructions as the chart of the south of t
	12)	Enstrator Instrutor Execution Data White Data White Linguistion Execution Execution Execution Execution Execution Execution Data White Data Linguistics Instruction Instruction Execution Data of Execution Execution Da
	Lus \$10,20(\$1) Time (Lus \$10,20(\$1) Enstruth Sub \$11,\$2,\$3	add \$12,\$3,\$4 (but \$13.24(\$1)) (connection of mith Connection of the state of the

