TWO BIT HALF SUBTRACTOR

EXP.NC): 22
AIM:	
To design and implement the two bit half subtractor using Logisim simulator.	
PROCEDURE:	
1)	Pick and place the necessary gates.
2)	Insert 2

3) Connect

the inputs to the OR gate, AND gate and NOT gate.

4) Insert2 outputs into the canvas.

inputs into the canvas.

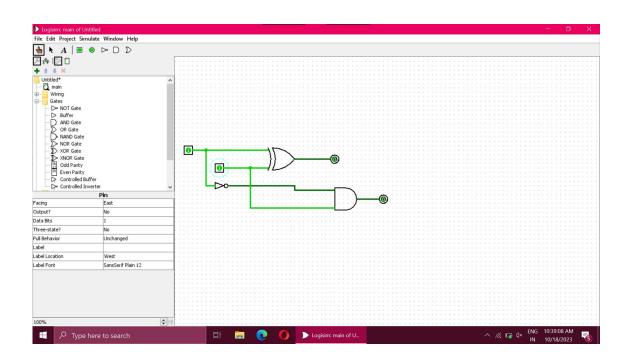
- 5)
 Make the connections using the connecting wires.
- 6) Verify the truth table.

TRUTH TABLE:

Diff=A'B+AB'

Borrow = A'B

OUTPUT



RESULT: Thus 2-bit half subtractor has been designed and implemented successfully using logisim simulator.