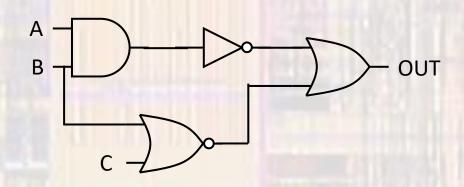
Last updated 10/16/24

These slides show how to draw signal diagrams from gate schematics

- Signal Diagram
  - A simplified drawing of time domain signal changes
    - Abstract signal levels 0 or 1
      - Could represent any VDD
    - Instantaneous transition times
      - Os, Ous, Ons, Ops



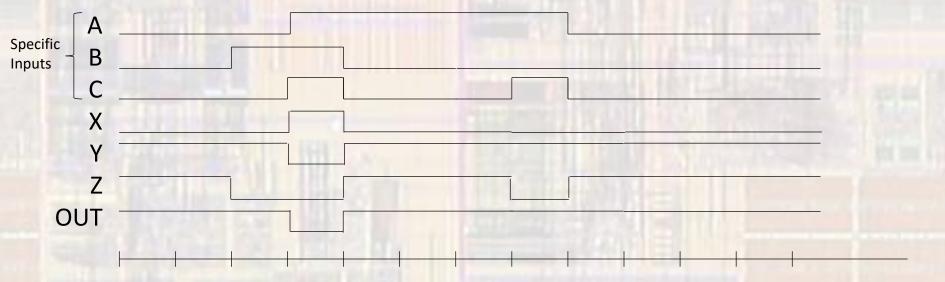
 Circuits are evaluated from input to output when creating signal diagrams



- Signal Diagram Creation
  - Process
    - 1. Label all intermediate nodes
    - 2. Create a horizontal section for each signal on the diagram
    - 3. Create a time scale at the bottom of the diagram
    - 4. Fill in the input signals
    - 5. Fill in each intermediate signal until the output signal is complete

В

X



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  - Process
    - 1. Label all intermediate nodes
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В

X

