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- Synthesize a gate level implementation of a logic expression
 - Process
 - 1. Create a vertical wire for each input
 - 2. Create a vertical wire for the complement of each input using an inverter
 - 3. Determine the precedence of the operations
 - 4. Working from highest to lowest precedence
 - Create a new gate and connect the appropriate inputs or intermediate signals
 - Label the new gate's output signal
 - Replace the appropriate portion of the logic expression with the new signal name
 - Repeat until complete
 - 5. Remove any un-used inputs

• Ex - step 1Out = (\overline{AB}) + ($\overline{C + B}$)

Α

В

С

• Ex – step 2

$$Out = (\overline{AB}) + (\overline{C + B})$$











