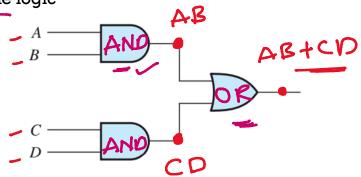
Example 1 Logic Gates

Monday, 24 August, 2020 5:1

• Write a Boolean expression for the output of the logic circuit

PMP NOT NOT NOP NOP YOR

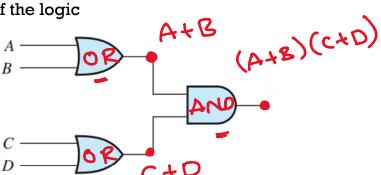


Example 2

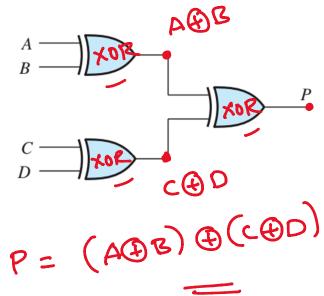
Monday, 24 August, 2020 5:11 PM

• Write a Boolean expression for the output of the logic

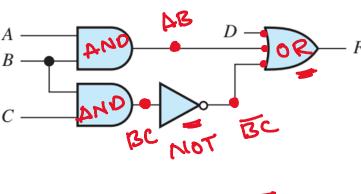
circuit



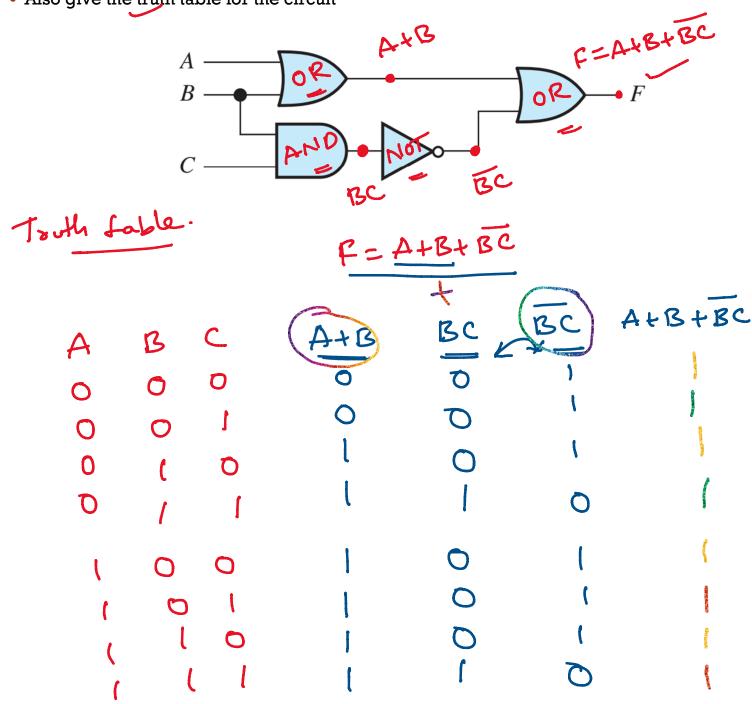
 Write a Boolean expression for the output of the logic circuit



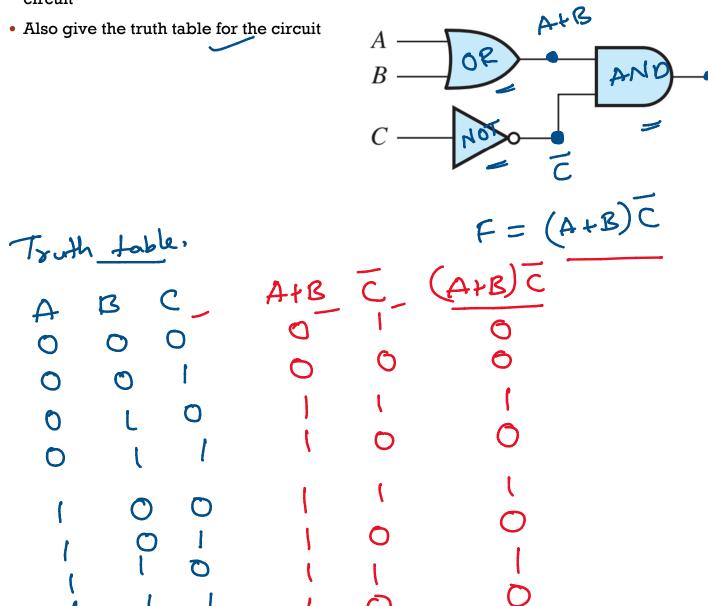
 Write a Boolean expression for the output of the logic circuit



- Write a Boolean expression for the output of the logic circuit
- Also give the truth table for the circuit



• Write a Boolean expression for the output of the logic circuit



Example 1 Boolean Algebra

Monday, 24 August, 2020 5:43 PM

0

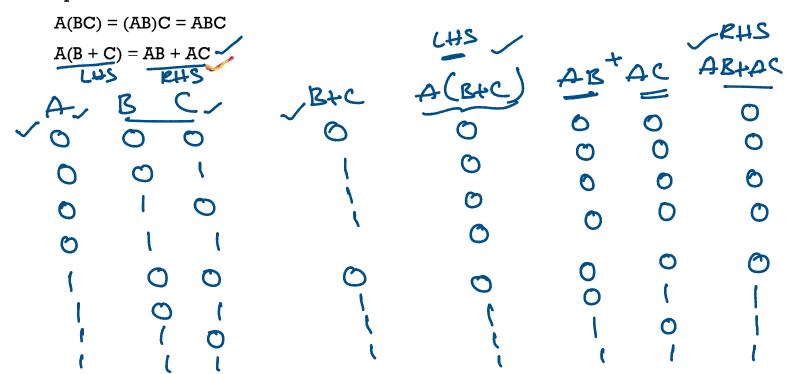
• Example 1: Prove the associative law for the OR operation, which states that

 $\frac{(A+B)+C=A+(B+C)}{LHS}$

A+B (A+B)+C

B+C A+CB+C

• Example 2: Use truth tables to prove the following operations



• Example 3: Prepare a truth table for the logic expression

