

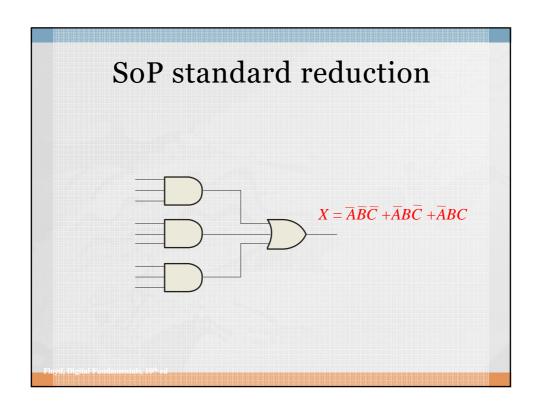
$$SoP = \sim PoS$$

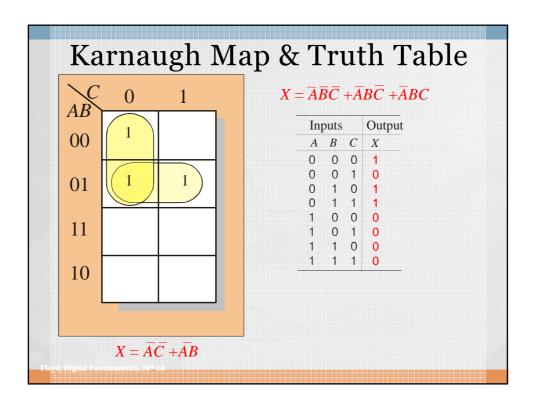
$$AB\overline{C} = AB\overline{C} + \overline{D}E \quad SOP$$

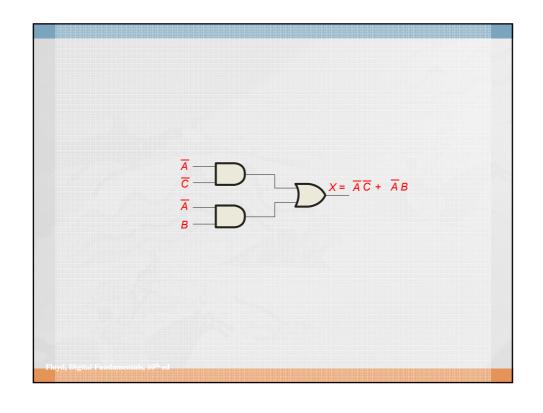
$$\overline{D} = \overline{D}E \qquad X = AB\overline{C} + \overline{D}E \quad SOP$$

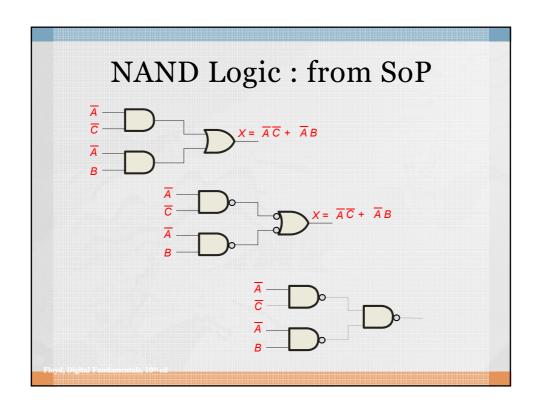
$$\overline{D} = \overline{D}E \qquad X = \overline{ABC} + \overline{D}E \quad AOI$$

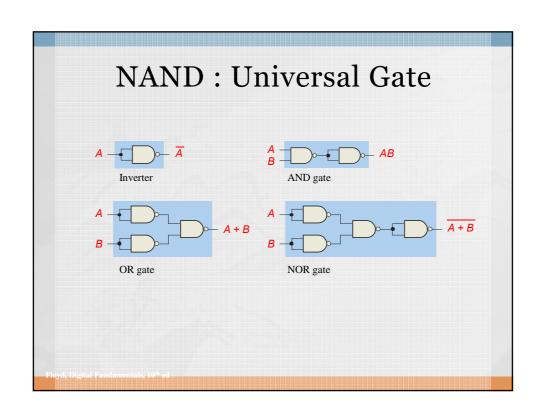
$$X = \overline{ABC} + \overline{D}E \quad AOI$$











NOR Logic: from PoS

$$\begin{array}{c}
A \\
B \\
A \\
C
\end{array}$$

$$\begin{array}{c}
A \\
B \\
A \\
C
\end{array}$$

$$\begin{array}{c}
A \\
B \\
A \\
C
\end{array}$$

$$\begin{array}{c}
A \\
B \\
A \\
C
\end{array}$$

$$\begin{array}{c}
A \\
B \\
A \\
C
\end{array}$$

$$\begin{array}{c}
A \\
B \\
A \\
C
\end{array}$$

$$\begin{array}{c}
A \\
B \\
C
\end{array}$$

$$\begin{array}{c}
A \\
C$$

$$C$$

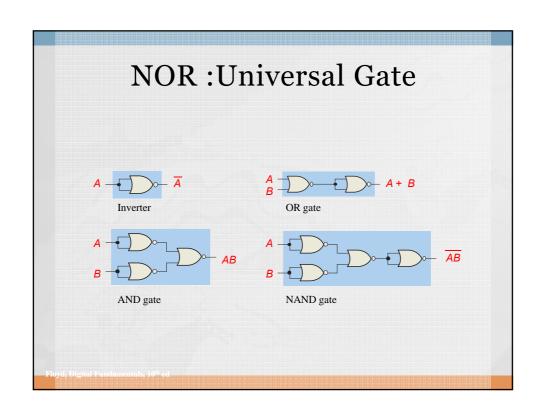
$$\begin{array}{c}
A \\
C
\end{array}$$

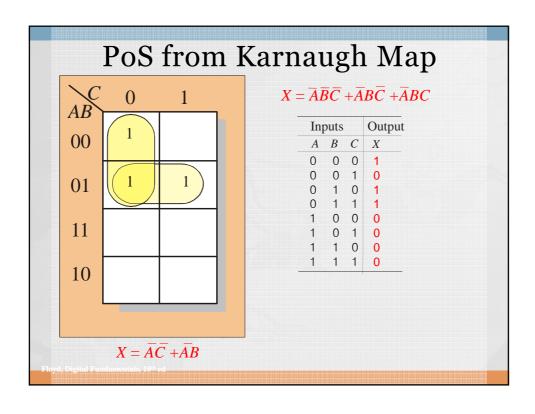
$$\begin{array}{c}
A \\
C$$

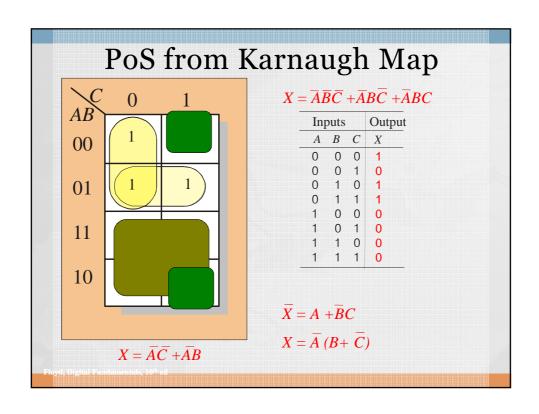
$$C$$

$$\begin{array}{c}
A \\
C$$

$$C$$







Check point

- SoP = NAND Logic (Universal)
- PoS = NOR Logic (Universal)
- Truth Table = Karnaugh Map = SoP = PoS

Floyd Digital Fundamentals 10th ed