

Boolean Algebra:

Postulates!

$$\chi_{+0} = \chi$$

$$\chi_{+x} = 1$$

$$\chi_{+x} = \chi$$

$$\chi_{+1} = 1$$

$$\overline{\chi} = \chi$$

$$\chi_{+1} = 1$$

$$\overline{\chi} = \chi$$

$$\chi_{+1} = \chi$$

De Margam's
$$(x+y) = \overline{x} \cdot \overline{y}$$

Theorem $(x+y) = \overline{x} \cdot \overline{y}$

$$\chi \cdot 1 = \chi$$

$$\chi \cdot \bar{\chi} = 0$$

$$\chi \cdot \bar{\chi} = \chi$$

$$\chi \cdot 0 = 0$$

$$\chi \cdot y = \chi$$

$$\chi \cdot (1 \cdot 1) = (\chi \cdot 1)^2$$

$$\chi \cdot (1 \cdot 1) = (\chi \cdot 1)^2$$

$$\chi \cdot (1 \cdot 1) = \chi$$

