

# Idempotent Law

**A** OR **A** equals A

$$\mathbf{A} + \mathbf{A} = \mathbf{A}$$

if  $A = 0$

$$\mathbf{0} + \mathbf{0} = \mathbf{0}$$

if  $A = 1$

$$\mathbf{1} + \mathbf{1} = \mathbf{1}$$