Basic

$$a \mid (a \& b) = a$$

$$a \& (a | b) = a$$

$$a \& 0 = 0$$

$$a^a = 0$$

Associative Law

$$(a | b) | c = a | (b | c)$$

Commutative Law

$$a^b = b^a$$

Distributive Law

De Morgan's Law

$$^{(a \& b)} = ^{a} | ^{b}$$

$$^{(a | b)} = ^{a \& ^{b}}$$