

Memorize	not memorize
$p \vee q \equiv q \vee p$ $p \wedge q \equiv q \wedge p$	commutative
$(p \vee q) \vee r \equiv p \vee (q \vee r)$ $(p \wedge q) \wedge r \equiv p \wedge (q \wedge r)$	associative
$p \vee (q \wedge r) \equiv (p \vee q) \wedge (p \vee r)$ $p \wedge (q \vee r) \equiv (p \wedge q) \vee (p \wedge r)$	distributive
$p \vee \neg p \equiv T$ $p \wedge \neg p \equiv F$	negation
$\neg(p \vee q) \equiv \neg p \wedge \neg q$ $\neg(p \wedge q) \equiv \neg p \vee \neg q$	De Morgan's law
$\neg(\neg p) \equiv p$	double negation
$p \vee p \equiv p$ $p \wedge p \equiv p$	idempotent
$p \wedge T \equiv p$ $p \vee F \equiv p$	identity
$p \vee T \equiv T$ $p \wedge F \equiv F$	domination
$p \rightarrow q \equiv \neg p \vee q$	implication law