Table 1.5.1: Laws of propositional logic.

Idempotent laws:	$p \lor p \equiv p$	$p \land p \equiv p$
Associative laws:	$(p \lor q) \lor r \equiv p \lor (q \lor r)$	$(p \land q) \land r \equiv p \land (q \land r)$
Commutative laws:	$p \lor q \equiv q \lor p$	$p \land q \equiv q \land p$
Distributive laws:	$p \lor (q \land r) \equiv (p \lor q) \land (p \lor r)$	$p \land (q \lor r) \equiv (p \land q) \lor (p \land r)$
Identity laws:	$p \lor \mathrm{F} \equiv p$	$p \land \mathrm{T} \equiv p$
Domination laws:	$p \land \mathrm{F} \equiv \mathrm{F}$	$p \lor \mathrm{T} \equiv \mathrm{T}$
Double negation law:	$\neg\neg p \equiv p$	
Complement laws:	$p \land \neg p \equiv \mathrm{F}$ $\neg \mathrm{T} \equiv \mathrm{F}$	$p \lor \neg p \equiv \mathrm{T}$ $\neg \mathrm{F} \equiv \mathrm{T}$
De Morgan's laws:	$\neg(p \lor q) \equiv \neg p \land \neg q$	$\neg(p \land q) \equiv \neg p \lor \neg q$
Absorption laws:	$p \lor (p \land q) \equiv p$	$p \land (p \lor q) \equiv p$
Conditional identities:	$p \rightarrow q \equiv \neg p \lor q$	$p \leftrightarrow q \equiv (p \rightarrow q) \land (q \rightarrow p)$

Feedback?