

		<u>Before</u>	<u>After</u>
IO	Implications Out	$A \Rightarrow B$ $A \Leftarrow B$ $A \Leftrightarrow B$	$\neg A \vee B$ $A \vee \neg B$ $(\neg A \vee B) \wedge (\neg B \vee A)$
NI	Negations In	$\neg \neg A$ $\neg(A \wedge B)$ $\neg(A \vee B)$ $\neg \forall A B$ $\neg \exists A B$	$A$ $\neg A \vee \neg B$ $\neg A \wedge \neg B$ $\exists A \neg B$ $\forall A \neg B$
RV	Rename Variables	$(\forall X p(X,X)) \wedge (\exists X q(X))$	$(\forall X p(X,X)) \wedge (\exists Y q(Y))$
EO	Existentials Out	$\exists X p(X)$ $\forall X \exists Y p(X,Y)$	$p(A)$ $\forall X p(X,f(X))$
UO	Universals Out	$\forall X \forall Y p(X,Y)$	$p(X,Y)$
DI	Disjunctions In	$X \vee (Y \wedge Z)$	$(X \vee Y) \wedge (X \vee Z)$
OO	Operators Out	$P \wedge (Q \vee R)$	$\{P\}, \{Q, R\}$
SV	Standardize Var's	$\{A, B\}, \{A, C\}$	$\{A1, B\}, \{A2, C\}$