

<p style="text-align: center;"><u>Modus Ponens</u></p> $\frac{p \rightarrow q}{p} \therefore q$	<p style="text-align: center;"><u>Modus Tollens</u></p> $\frac{p \rightarrow q}{\sim q} \therefore \sim p$	<p style="text-align: center;"><u>Conjunction</u></p> $\frac{p}{q} \therefore p \wedge q$	<p style="text-align: center;"><u>Transitivity</u></p> $\frac{p \rightarrow q}{q \rightarrow r} \therefore p \rightarrow r$
<p style="text-align: center;"><u>Elimination</u></p> $\frac{p \vee q}{\sim q} \therefore p$		<p style="text-align: center;"><u>Generalization</u></p> $\frac{p}{\therefore p \vee q}$ $\frac{q}{\therefore p \vee q}$	
<p style="text-align: center;"><u>Specialization</u></p> $\frac{p \wedge q}{\therefore p}$ $\frac{p \wedge q}{\therefore q}$		<p style="text-align: center;"><u>Contradiction rule</u></p> $\frac{\sim p \rightarrow c}{\therefore p}$	<p style="text-align: center;"><u>Proof by division into cases</u></p> $\frac{p \vee q}{p \rightarrow r}$ $\frac{q \rightarrow r}{\therefore r}$