

Propositional Logic Rule (Lecture 2 and Tutorial 1)	Coq Tactic(s)
\wedge -e1	destruct
\wedge -e2	destruct
\wedge -i	split
\vee -e	destruct
\vee -i1	left
\vee -i2	right
\rightarrow -i	intro / intros
\rightarrow -e	apply
$_ \mid _$ -i followed by $_ \mid _$ -e	contradiction
$p \vee \sim p$ (law of excluded middle)	generalize (classic p); intro.
make-box	assert
Inductive Definitions and Proofs (Lecture 3)	Coq
Make a standard (non-recursive) definition	Definition
Make an inductive/recursive definition	Inductive (for sets) or Fixpoint (for functions)
Take cases	destruct
Do proof by induction	induction
Equivalence of $(P = Q)$ and $(P \leftrightarrow Q)$	apply prop_ext