

Suggestions based on syntax:

expression	in goal	in context
$p \wedge q$	split	destruct
$p \vee q$	left, right	destruct
$p \rightarrow q$	intro	apply
$\sim p$	intro	apply
$p \leftrightarrow q$	split	destruct, apply
forall $x, p$	intro	apply
exists $x, p$	exists	destruct
$x = x$	apply eq_refl	—
$x = y$	—	destruct, rewrite

Suggestions based on the situation:

situation	rule to use
<b>Definition</b> is used	unfold
<b>Fixpoint</b> is used	unfold, fold or induction
<b>Inductive</b> is used	destruct or induction
Contradiction in the context	inversion
Non-matching constructor equality	discriminate

Syntax examples:

- intros  $x$  [[ $y$   $z$ ]| $z$ ] []
- unfold plus, max in  $H$ ,  $H1$
- apply sym, (trans  $Q$ ) in  $H$ ,  $H1$
- destruct (classic  $P$ ) as [ $p$   $q$ ]
- induction  $n$ ; inversion  $Q$