Table 1: Tactics for equality and computation

what do you want to do?	**tactic**
compute	`simpl`, `cbn`, `cbv`
rewrite left to right with hypothesis `H`	`rewrite H`
rewrite right to left with hypothesis `H`	`rewrite <- H`
replace `t` with `t'`	`replace t with t'`
change the goal to a definitionally equal `G'`	`change G'`
substitute all variables equated in the context	`subst`
use reflexivity of equality	`reflexivity`
use symmetry of equality	`symmetry`
use transitivity of equality	`transitivity t`
use the compatibility of functions with equality	`f_equal`
use distinctness of different constructors	`discriminate`
use injectivity of constructors	`injection`
automatic reasoning with equalities by congruence closure	`congruence`

Controlling where to apply a tactic

- in the goal: no options.
  - `simpl`
  - `rewrite H'`
- in hypothesis `H`: `in H`.
  - `simpl in H`
  - `rewrite H' in H`
- everywhere: `in *`.
  - `simpl in *`
  - `rewrite H' in *`