PROOF STRATEGIES

GOAL	STRATEGY

atom
Assume its negation for RAA, then seek a contradiction; by means of the contradiction, discharge the assumption by RAA, obtaining the desired atom.

negation
Assume the unnegated wff for RAA, then seek a contradiction; by means of the contradiction, discharge the assumption, obtaining the desired negation.

conditional
Assume its antecedent for →I, then establish its consequent; discharge the assumed antecedent by →I, obtaining the desired conditional.

conjunction
Obtain its conjuncts separately, then use &I to obtain the desired conjunction.

biconditional
Obtain the two required conditionals separately, then use ↔I to obtain the desired biconditional.

disjunction
Assume its negation for RAA, then perform the following three-line procedure:
       (*i*) assume one of the disjuncts of the disjunction,
       (*ii*) use ∨I to obtain the disjunction,
       (*iii*) use RAA to discharge the assumed disjunct;
then look for something useful to do. (Bear in mind that this procedure can be repeated, starting with the other disjunct.)