

Assignment 3 hints, first portion

STRUCTURAL INDUCTION: These questions are very similar to those worked in lecture. It may also be useful to represent propositional formulas as trees to get some insight.

LOGICAL EQUIVALENCE: Try applying the laws from page 124 to the given formulas, or to sub-formulas.

PREDICATE LOGIC: Try to state the formulas in questions 4 and 5 in words, as precisely as possible.

REVIEW: Be sure that you know the outline of a proof by simple, complete, and structural induction. This will certainly help you on the midterm.