

1. Prove (p.5) Postcondition rule.
Start with the LHS and use the definition of the Hoare triple. Then use (4.3) Monotonicity of \wedge , together with (p.3).
2. Prove (p.8).
Start with the RHS. You should find (3.59) and (3.76e) useful.
3. Prove (p.11).
4. Prove (p.13).
5. Prove (p.17a).
Let R be an arbitrary postcondition and use (p.6).