

Homework on §7.6—assigned Fri 11/13 and due Mon 11/16

(i) Use derivations to show:

$$\forall x (Gx \rightarrow \forall y Rxy), \forall x Gx \models \forall x \forall y (Gy \wedge Rxy)$$

(ii) Analyze (and restate using unrestricted quantifiers):

If anyone who saw everything testified, the case was settled

(Bear in mind the difference between this sentence and each of the three other sentences you could get by replacing **anyone** by **everyone** or **everything** by **anything**.)