

*Homework for Philosophy 270, Fall 2012*

**Homework on §7.6**—assigned Fri 11/9 and due Mon 11/12

(i) Use derivations to show:

$$\forall x (Fx \rightarrow \forall y Rxy) \models \forall x \forall y (Fy \rightarrow Ryx)$$

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

**If anyone heard the warning, the storm didn't surprise everyone**

(Bear in mind the difference between this sentence and each of the three other sentences you could get by replacing **anyone** by **every-one** or vice versa.)