

Homework on §7.7—assigned Mon 11/18 and due Wed 11/20

- (i) use a derivation to check the following and present a counterexample by using a diagram to present a counterexample that lurks in an open gap:

$$\forall x (Rax \rightarrow Fx), Raa \models \forall x (Rxa \rightarrow Fx)$$

- (ii) analyze and restate using unrestricted quantifiers:

No one who attempts everything finishes anything

- (iii) synthesize an English sentence that has the following analysis:

$$(\forall x: Bx) \neg (\forall y: Py) Rxy$$

B: [_ **is a book**]; P: [_ **is a person**]; R: [_ **has been read by** _]