

Homework for Philosophy 270, Fall 2012

Homework on §7.7—assigned Mon 11/12 and due Wed 11/14

- (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:

$$\forall x (Rax \rightarrow Fx), Rab, \neg Fa / \forall x (Rxa \rightarrow \neg Fx)$$

- (ii) analyze and restate using unrestricted quantifiers:

Nothing that anyone knew of explained every observation

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

$$(\forall x: \neg Ux) (\forall y: Py) \neg Nyx$$

(P: [_ is a person]; N: [_ noticed _]; U: [_ was usual])