8.3.x. Exercise questions

- 1. Analyze the following in as much detail as possible.
 - **a.** If Oswald didn't shoot Kennedy, someone else did.
 - **b.** No one but Frank saw Sue.
 - **c.** Ed and only Ed was awake.
 - d. Everyone except Tom, Dick, and Harry arrived early.
 - e. Adam and another officer thanked everyone else.
 - **f.** At least two things went wrong.
 - **g.** Bill spoke to at most one person.
 - **h.** Just one thing will do.
 - i. Ann saw more than one assassin.
 - **j.** Ann saw exactly two assassins.
- **2.** Synthesize idiomatic English sentences that express the propositions associated with the logical forms below using the intensional interpretations that follow them.
 - **a.** Fth ∧ (∃x: ¬ x = h) Ltx [F: λxy (x *found* y); L: λxy (x *lost* y); h: *Tom's hat*; t: *Tom*]
 - **b.** (∃x: Px) (∃y: Py ∧ ¬ y = x) Sxy [P: λx (x *is a person*); S: λxy (x *spoke to* y)]
 - **c.** (∀x: Px ∧ ¬ x = m) ¬ Rsx [P: λx (x *is a person*); R: λxy (x *recognized* y); m: *Mary*; s: *Sam*]
 - **d.** $(\exists x: Sx) Ox \land \neg (\exists x: Sx) (\exists y: Sy \land \neg y = x) (Ox \land Oy)$ [S: $\lambda x (x is a store); O: \lambda x (x was open)$]

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