

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. $Fth \wedge (\exists x: \neg x = h) Ltx$
[F: λxy (x *found* y); L: λxy (x *lost* y); h: *Tom's hat*; t: *Tom*]
 - b. $(\exists x: Px) (\exists y: Py \wedge \neg y = x) Sxy$
[P: λx (x *is a person*); S: λxy (x *spoke to* y)]
 - c. $(\forall x: Px \wedge \neg x = m) \neg Rsx$
[P: λx (x *is a person*); R: λxy (x *recognized* y); m: *Mary*; s: *Sam*]
 - d. $(\exists x: Sx) Ox \wedge \neg (\exists x: Sx) (\exists y: Sy \wedge \neg y = x) (Ox \wedge Oy)$
[S: λx (x *is a store*); O: λx (x *was open*)]