

## 6.1.x. Exercise questions

1. Analyze each of the following sentences in as much detail as possible.
  - a. *Ann introduced Bill to Carol.*
  - b. *Ann gave the book to either Bill or Carol.*
  - c. *Ann gave the book to Bill and he gave it to Carol.*
  - d. *Tom had the package sent to Sue, but it was returned to him.*
  - e. *Georgia will see Ed if she gets to Denver before Saturday.*
  - f. *If the murderer is either the butler or the nephew, then I'm Sherlock Holmes.*
  - g. *Neither Ann nor Bill saw Tom speak to either Mike or Nancy.*
  - h. *Tom will agree if each of Ann, Bill, and Carol asks him.*
2. Synthesize idiomatic English sentences that express the propositions associated with the logical forms below by the intensional interpretations that follow them.
  - a.  $Wci \wedge ScI$   
[S:  $\lambda xy$  (x *is south of* y); W:  $\lambda xy$  (x *is west of* y); c: *Crawfordsville*; i: *Indianapolis*; l: *Lafayette*]
  - b.  $Mab \rightarrow Mba$   
[M:  $\lambda xy$  (x *has met* y); a: *Ann*; b: *Bill*]
  - c.  $Iacb \wedge Iadb$   
[I:  $\lambda xyz$  (x *introduced* y to z); a: *Alice*; b: *Boris*; c: *Clarice*; d: *Doris*]
  - d.  $Wab \wedge Kabab$   
[K:  $\lambda xyzw$  (x *asked* y to write z about w); W:  $\lambda xy$  (x *wrote to* y); a: *Alice*; b: *Boris*]
  - e.  $g = c \rightarrow (f = s \wedge p = t)$   
[c: *the city*; f: *football*; g: *Green Bay*; p: *the Packers*; s: *the sport*; t: *the team*]