



Essentials of Formal Logic with Joelle Hodge

Lesson 19: Chapter 5.4

Outline:

Chapter 5, Lesson 5.4

- Contrariety and Subcontrariety
- Relationship of Opposition
- Points to Remember
 - Propositions of Contrariety Propositions of Subcontrariety
 - Contrariety is the relationship between *A* and *E* propositions.
 - Propositions of contrariety cannot both be true at the same time.
 - Propositions of contrariety can both be false at the same time.
 - If one contrary proposition is true, the other must be false.
 - If one contrary proposition is false, it does not necessitate the truth or falsity of the other one.
 - Propositions of Subcontrariety
 - Subcontrariety is the relationship between *I* and *O* propositions.
 - Propositions of subcontrariety can both be true at the same time.
 - Propositions of subcontrariety cannot both be false at the same time.
 - If one subcontrary proposition is true, it does not necessitate the truth or falsity of the other.
 - If one subcontrary proposition is false, then the other one must be true.

- “He hoped and prayed that there wasn’t an afterlife. Then he realized there was a contradiction involved here and merely hoped that there wasn’t an afterlife.” Douglas Adams

