Tautology – A compound proposition that is true, no matter the truth values of its atomic propositions

Example: P OR NOT P is always true

Contradiction – A compound proposition that is always false, no matter the truth value of its atomic propositions

Example: P AND NOT P is always false

Consider this thing: (NOT(A AND B)) IF AND ONLY IF ((NOT A) OR (NOT B))

Order of Operations

* Parenthesis ()
* NOT ~
* AND ^
* OR v
* Implies => or <=
* Double Imply ⬄