

# Dominance of Connectives

## 1. Negation - “ $\sim$ ” *First*

| p | $\sim p$ |
|---|----------|
| T | F        |
| F | T        |

## 2. Conjunction - “and” *Second* (Do according to the parentheses)

| p | q | $p \wedge q$ |
|---|---|--------------|
| T | T | T            |
| T | F | F            |
| F | T | F            |
| F | F | F            |

## 3. Disjunction - “or” *Second* (Do according to the parentheses)

| p | q | $p \vee q$ |
|---|---|------------|
| T | T | T          |
| T | F | T          |
| F | T | T          |
| F | F | F          |

## 4. Conditional - “if .... then” *Third*

| p | q | $p \rightarrow q$ |
|---|---|-------------------|
| T | T | T                 |
| T | F | F                 |
| F | T | T                 |
| F | F | T                 |

## 5. Biconditional - “if and only if” *Last*

| p | q | $p \leftrightarrow q$ |
|---|---|-----------------------|
| T | T | T                     |
| T | F | F                     |
| F | T | F                     |
| F | F | T                     |