

## Chapter Three Semantics

**1. Principle of Bivalence: In any possible situation, a sentence is either true or false (not both).**

### 2. Negation Rule

●	$\sim$ ●
1	0
0	1

### 3. Conjunction Rule

●	▲	$(\bullet \wedge \blacktriangle)$
1	1	1
1	0	0
0	1	0
0	0	0

### 4. Disjunction Rule

●	▲	$(\bullet \vee \blacktriangle)$
1	1	1
1	0	1
0	1	1
0	0	0

### 5. Conditional Rule

●	▲	$(\bullet \rightarrow \blacktriangle)$
1	1	1
1	0	0
0	1	1
0	0	1