The truth table for the **and** function is:

Input 1	Input 2	Input 1 **and** Input 2
T	T	
T	F	
F	T	
F	F	

1

The truth table for the **or** function is:

Input 1	Input 2	Input 1 **or** Input 2
T	T	
T	F	
F	T	
F	F	

2

The truth table for the **implies** function is:

Input 1	Input 2	Input 1 **implies** Input 2
T	T	
T	F	
F	T	
F	F	

3

The truth table for the **bi-implication** function is:

Input 1	Input 2	Input 1 $\iff$ Input 2
T	T	
T	F	
F	T	
F	F	

4

For all interpretation, the formula '$\vee$' evaluates to [ ], and '$\wedge$' evaluates to [ ].

5

What do you say when an interpretation I if when it is applied to a formula F, $F \equiv \top$?
Give two answers.

6

The truth table for the **or** function is:

Input 1	Input 2	Input 1 *or* Input 2
T	T	T
T	F	T
F	T	T
F	F	F

The truth table for the **and** function is:

Input 1	Input 2	Input 1 *and* Input 2
T	T	T
T	F	F
F	T	F
F	F	F

The truth table for the **bi-implication** function is:

Input 1	Input 2	Input 1 $\iff$ Input 2
T	T	T
T	F	F
F	T	F
F	F	T

The truth table for the **implies** function is:

Input 1	Input 2	Input 1 *implies* Input 2
T	T	T
T	F	F
F	T	T
F	F	T

We say that I satisfies F, or that I is a model of F.

For all interpretation, the formula '$\vee$' evaluates to 0, and '$\wedge$' evaluates to 1.