	The tru Input 1		r the and fu $\mid Input \ 1$ a				The transfer Input 1	$uth \ table \ f$ $ \ Input \ 2$	$or\ the\ oldsymbol{or}$: $ \ Input\ 1$	function or Inpu	is: at 2		
	T	T					T	T					
	T	F					T	F					
	F	T					$\frac{F}{F}$	T					
	F	F					F	F					
					1								2
_	Input 1	Input $2 \mid I$	he implies nput 1 imp	function is: lies Input 2	_	The	Input 1	e for the l	oi-implic Input 1			s:	
_	T	T			_	-	T	T					
_	T F	$\frac{F}{T}$			_	-	$\frac{T}{F}$	$\frac{F}{T}$					
_	$\frac{F}{F}$	F	_			-	$\frac{F}{F}$	F					
					3	W/b at	do non co	ay aybon on	, in tommet	ation Li	f aub oo ii		1
For all	interpreta		ormula \vee ' outes to \square .	evaluates to	, <i>and</i>	What	do you sa app	ay when ar lied to a fo Give to	n interpret ormula F, vo answer:	$F \equiv \top$?	f when i		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	\overline{F}
F	T	\overline{F}
F	F	\overline{F}

2

1

5

The truth table for the bi-implication function is:

Input 1	Input 2	$Input 1 \iff Input 2$
\overline{T}	T	T
\overline{T}	F	\overline{F}
\overline{F}	T	\overline{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

4

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

For all interpretation, the formula ' \lor ' evaluates to 0, and ' \land ' evaluates to 1.

6