Input		$for the $ and fun $2 \mid Input 1$ and		Input 1		or the $oldsymbol{or}$. Input $oldsymbol{I}$	function is: 1 or Input 2
\overline{T}	T			T	T		
\overline{T}	F			\overline{T}	F		
\overline{F}	T			\overline{F}	T		
\overline{F}	F			\overline{F}	F		
		$^{\cdot}$ the implies f					$cation\ func$
Input 1	Input 2	the implies f		Input 1	Input 2		$cation\ func \ \iff Input$
Input 1 T	Input 2 T			Input 1 T	Input 2 T		
$\frac{Input \ 1}{T}$	$\begin{array}{ c c }\hline Input \ 2\\\hline T\\\hline F\end{array}$			$\begin{array}{c c} Input \ 1 \\ \hline T \\ \hline T \\ \end{array}$	$\begin{array}{c c} Input \ 2 \\ \hline T \\ \hline F \\ \end{array}$		
$\frac{Input \ 1}{T}$ F	Input 2 T F T T			$ \begin{array}{c c} Input 1 \\ \hline T \\ \hline T \\ F \end{array} $	Input 2		
$\frac{Input \ 1}{T}$	$\begin{array}{ c c }\hline Input \ 2\\\hline T\\\hline F\end{array}$			$\begin{array}{c c} Input \ 1 \\ \hline T \\ \hline T \\ \end{array}$	$\begin{array}{c c} Input \ 2 \\ \hline T \\ \hline F \\ \end{array}$		

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

The truth table for the bi-implication function is:

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

The truth table for the implies function is:

Input 1	Input 2	Input 1 implies Input 2
\overline{T}	T	T
\overline{T}	F	F
\overline{F}	T	T
F	F	T

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