

$$A \rightarrow B = \neg A \vee B$$

A	B	$\neg A$	$\neg A \vee B$	$A \rightarrow B$
0	0	1	1 ✓	1 ✓
0	1	1	1 ✓	1 ✓
1	0	0	0 ✓	0 ✓
1	1	0	1 ✓	1 ✓

$$A \leftrightarrow B = (A * B) \vee (\neg A * \neg B)$$

A	B	$A * B$	$\neg A * \neg B$	$A \leftrightarrow B$	$(A \vee B) * (\neg A * \neg B)$
0	0	0	1	1 ✓	1 ✓
0	1	1	0	0 ✓	0 ✓
1	0	0	0	0 ✓	0 ✓
1	1	1	0	1 ✓	1 ✓