

$$[(p \Rightarrow q) \wedge (r \vee \neg p)] \Leftrightarrow [(p \wedge \neg q) \vee r]$$

p	q	r	$p \Rightarrow q$	$r \vee \neg p$	$(\) \wedge (\)$	$p \wedge \neg q$	$(\) \vee r$	$\Box \Leftrightarrow \Box$
0	0	0	1	1	1	0	0	0
0	0	1	1	1	1	0	1	1
0	1	0	1	1	1	0	0	0
0	1	1	1	1	1	0	1	1
1	0	0	0	0	0	1	1	0
1	0	1	0	1	0	1	1	0
1	1	0	1	0	0	0	0	1
1	1	1	1	1	1	0	1	1

$$[\neg p \Leftrightarrow (q \wedge r)] \Rightarrow [p \vee \neg(p \wedge q)]$$

p	q	r	$q \wedge r$	$\neg p \Leftrightarrow (q \wedge r)$	$p \wedge q$	$p \vee \neg(\)$	$\Box \Rightarrow \Box$
0	0	0	0	0	0	1	1
0	0	1	0	0	0	1	1
0	1	0	0	0	0	1	1
0	1	1	1	1	0	1	1
1	0	0	0	1	0	0	1
1	0	1	0	0	0	0	1
1	1	0	0	1	1	1	1
1	1	1	1	0	1	1	1