

a	b	$\neg (a \text{ or } \neg b) = \neg (b > a)$									
0	0	0	0	1	1	0	1	0	0	1	0
0	1	1	0	0	0	1	1	1	1	0	0
1	0	0	1	1	1	0	1	0	0	1	1
1	1	0	1	1	0	1	1	0	1	1	1

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

a	b	$\neg a \wedge b$			
0	0	1	0	0	0
0	1	1	0	1	1
1	0	0	1	0	0
1	1	0	1	0	1

a	b	c	$a \wedge ! b \text{ and } c$
0	0	0	0 0 1 0 0 0
0	0	1	0 0 1 0 0 1
0	1	0	0 0 0 1 0 0
0	1	1	0 0 0 1 0 1
1	0	0	1 1 1 0 0 0
1	0	1	1 1 1 0 1 1
1	1	0	1 0 0 1 0 0
1	1	1	1 0 0 1 0 1

a	b	c	d	$(d \Leftrightarrow \neg \neg a) \wedge b \vee (\neg c \rightarrow a \wedge d) \wedge \neg d \wedge a$
0	0	0	0	0 1 0 1 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0
0	0	0	1	1 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 1 0 0
0	0	1	0	0 1 0 1 0 0 0 0 0 1 1 0 0 0 1 1 0 0 0
0	0	1	1	1 0 0 1 0 0 0 0 0 1 1 0 0 1 0 0 1 0 0
0	1	0	0	0 1 0 1 0 1 1 1 1 0 0 0 0 0 0 0 1 0 0 0
0	1	0	1	1 0 0 1 0 0 1 0 1 0 0 0 0 0 1 0 0 1 0 0
0	1	1	0	0 1 0 1 0 1 1 1 0 1 1 0 0 0 1 1 0 0 0
0	1	1	1	1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0
1	0	0	0	0 0 1 0 1 0 0 0 1 0 0 1 0 0 0 0 1 0 0 1
1	0	0	1	1 1 1 0 1 0 0 0 1 0 1 1 1 1 0 0 1 0 1
1	0	1	0	0 0 1 0 1 0 0 1 0 1 1 1 0 0 1 1 0 1 1
1	0	1	1	1 1 1 0 1 0 0 0 0 1 1 1 1 1 0 0 1 0 1
1	1	0	0	0 0 1 0 1 0 0 0 1 0 0 1 0 0 0 0 1 0 0 1
1	1	0	1	1 1 1 0 1 1 1 1 1 0 1 1 1 1 0 0 1 0 1
1	1	1	0	0 0 1 0 1 0 0 0 1 1 1 0 0 1 1 0 1 1
1	1	1	1	1 1 1 0 1 1 1 1 0 1 1 1 1 1 0 0 1 0 1

a	b	c	\neg	$($	a	\vee	b	\rightarrow	c	\Leftrightarrow	\neg	c	\wedge	$($	a	\vee	b	$)$	$)$
0	0	0	1		0	0	0	1	0	0	1	0	0		0	0	0		
0	0	1	1		0	0	0	1	1	0	0	1	0		0	0	0		
0	1	0	1		0	1	1	0	0	0	1	0	1		0	1	1		
0	1	1	1		0	1	1	1	1	0	0	1	0		0	1	1		
1	0	0	1		1	1	0	0	0	0	1	0	1		1	1	0		
1	0	1	1		1	1	0	1	1	0	0	1	0		1	1	0		
1	1	0	1		1	1	1	0	0	0	1	0	1		1	1	1		
1	1	1	1		1	1	1	1	1	0	0	1	0		1	1	1		

a	b	$a \oplus$	$a \wedge$	$b \Leftrightarrow$	\neg	$($	$a \rightarrow$	b	$)$
0	0	0	0	0	1	0	0	1	0
0	1	0	0	0	1	1	0	0	1
1	0	1	1	0	0	1	1	1	0
1	1	1	0	1	1	1	0	1	1