a	b	!	(	a	or	!	b	)	=	!	(	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	∧	(	q	∨	r	)	⇔	(	p	∧	q	)	∨	(	p	∧	r	)
0	0	0	0	0		0	0	0		**1**		0	0	0		0		0	0	0	
0	0	1	0	0		0	1	1		**1**		0	0	0		0		0	0	1	
0	1	0	0	0		1	1	0		**1**		0	0	1		0		0	0	0	
0	1	1	0	0		1	1	1		**1**		0	0	1		0		0	0	1	
1	0	0	1	0		0	0	0		**1**		1	0	0		0		1	0	0	
1	0	1	1	1		0	1	1		**1**		1	0	0		1		1	1	1	
1	1	0	1	1		1	1	0		**1**		1	1	1		1		1	0	0	
1	1	1	1	1		1	1	1		**1**		1	1	1		1		1	1	1	

a	b	¬	a	∧	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	∧	!	b	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	⇔	¬	¬	a	)	∧	b	∨	(	¬	c	→	a	∧	d	)	∧	¬	d	∧	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	1	0	0	0
0	1	0	1		1	0	0	1	0		0	1	**0**		1	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	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	1	**0**		1	0	0	1	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	1	**1**		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	c	a	$\Leftrightarrow$	b	$\Leftrightarrow$	c
0	0	0	0	1	0	**0**	0
0	0	1	0	1	0	**1**	1
0	1	0	0	0	1	**1**	0
0	1	1	0	0	1	**0**	1
1	0	0	1	0	0	**1**	0
1	0	1	1	0	0	**0**	1
1	1	0	1	1	1	**0**	0
1	1	1	1	1	1	**1**	1

a	b	a	$\&$	(	a	$\vert$	b	)
0	0	0	**0**		0	0	0	
0	1	0	**0**		0	1	1	
1	0	1	**1**		1	1	0	
1	1	1	**1**		1	1	1	

a	b	c	d	e	a	and	b	or	c	and	not	d	>	e
0	0	0	0	0	0	0	0	0	0	0	1	0	**1**	0
0	0	0	0	1	0	0	0	0	0	0	1	0	**1**	1
0	0	0	1	0	0	0	0	0	0	0	0	1	**1**	0
0	0	0	1	1	0	0	0	0	0	0	0	1	**1**	1
0	0	1	0	0	0	0	0	1	1	1	1	0	**0**	0
0	0	1	0	1	0	0	0	1	1	1	1	0	**1**	1
0	0	1	1	0	0	0	0	0	1	0	0	1	**1**	0
0	0	1	1	1	0	0	0	0	1	0	0	1	**1**	1
0	1	0	0	0	0	0	1	0	0	0	1	0	**1**	0
0	1	0	0	1	0	0	1	0	0	0	1	0	**1**	1
0	1	0	1	0	0	0	1	0	0	0	0	1	**1**	0
0	1	0	1	1	0	0	1	0	0	0	0	1	**1**	1
0	1	1	0	0	0	0	1	1	1	1	1	0	**0**	0
0	1	1	0	1	0	0	1	1	1	1	1	0	**1**	1
0	1	1	1	0	0	0	1	0	1	0	0	1	**1**	0
0	1	1	1	1	0	0	1	0	1	0	0	1	**1**	1
1	0	0	0	0	1	0	0	0	0	0	1	0	**1**	0
1	0	0	0	1	1	0	0	0	0	0	1	0	**1**	1
1	0	0	1	0	1	0	0	0	0	0	0	1	**1**	0
1	0	0	1	1	1	0	0	0	0	0	0	1	**1**	1
1	0	1	0	0	1	0	0	1	1	1	1	0	**0**	0
1	0	1	0	1	1	0	0	1	1	1	1	0	**1**	1
1	0	1	1	0	1	0	0	0	1	0	0	1	**1**	0
1	0	1	1	1	1	0	0	0	1	0	0	1	**1**	1
1	1	0	0	0	1	1	1	1	0	0	1	0	**0**	0
1	1	0	0	1	1	1	1	1	0	0	1	0	**1**	1
1	1	0	1	0	1	1	1	1	0	0	0	1	**0**	0
1	1	0	1	1	1	1	1	1	0	0	0	1	**1**	1
1	1	1	0	0	1	1	1	1	1	1	1	0	**0**	0
1	1	1	0	1	1	1	1	1	1	1	1	0	**1**	1
1	1	1	1	0	1	1	1	1	1	0	0	1	**0**	0
1	1	1	1	1	1	1	1	1	1	0	0	1	**1**	1