A	B	S	OR
0	0	0	
0	1	1	
1	0	1	
1	1	1	

A	B	S	NOR
0	0	1	
0	1	0	
1	0	0	
1	1	0	

A	B	S	AND
0	0	0	
0	1	0	
1	0	0	
1	1	1	

A	B	S	NAND
0	0	1	
0	1	1	
1	0	1	
1	1	0	

A	B	S	XOR
0	0	0	
0	1	1	
1	0	1	
1	1	0	

A	B	S	XNOR
0	0	1	
0	1	0	
1	0	0	
1	1	1	

A	S	NOT
0	1	
1	0	

A	B	S	TRICKY
0	0	0	
0	1	1	
1	0	0	
1	1	1	