

$$g(p, q) = \sim ((p \wedge q) \vee \sim (p \vee q))$$

p	q	g
0	0	0
0	1	1
1	0	1
1	1	0

$$f(p, q, r) = \sim p \wedge (q \vee \sim r)$$

p	q	r	f
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	0