

$G_F$	$G_H$	$S$	$P$	$\overline{G_F} + G_H$	$S + P$	$\overline{P} + G_H$	$\overline{G_F} + \overline{S} + \overline{P}$	$f(G_F, G_H, S, P)$
0	0	0	0	1	0	1	1	0
0	0	0	1	1	1	0	1	0
0	0	1	0	1	1	1	1	1
0	0	1	1	1	1	0	1	0
0	1	0	0	1	0	1	1	0
0	1	0	1	1	1	1	1	1
0	1	1	0	1	1	1	1	1
0	1	1	1	1	1	1	1	1
1	0	0	0	0	0	1	1	0
1	0	0	1	0	1	0	1	0
1	0	1	0	0	1	1	1	0
1	0	1	1	0	1	0	0	0
1	1	0	0	1	0	1	1	0
1	1	0	1	1	1	1	1	1
1	1	1	0	1	1	1	1	1
1	1	1	1	1	1	1	0	0