

$x_1$	$x_2$	$x_3$	$x_4$	$f(x)$ : Case 1	Case 2	Case 3
0	0	0	0	0	1	1
0	0	0	1	1	1	1
0	0	1	0	1	1	*
0	0	1	1	1	1	*
0	1	0	0	1	1	1
0	1	0	1	1	1	1
0	1	1	0	1	1	1
0	1	1	1	1	0	1
1	0	0	0	1	1	1
1	0	0	1	1	1	1
1	0	1	0	1	1	1
1	0	1	1	1	0	1
1	1	0	0	1	1	*
1	1	0	1	1	0	*
1	1	1	0	1	0	*
1	1	1	1	*	*	*