x_1	x_2	$x_1 \cap x_2$
1	1	1
1	0	0
0	1	0
0	0	0

x_1	x_2	$x_1 \cup x_2$
1	1	1
1	0	1
0	1	1
0	0	0

x_1	x_2	x_1 XoR x_2
1	1	0
1	0	1
0	1	1
0	0	0