A	B	C	D	Y
0	0	0	0	X
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	1
1	1	0	0	X
1	1	0	1	X
1	1	1	0	X
1	1	1	1	X

B	C	D	Y
0	0	0	A
0	0	1	$\overline{A}$
0	1	0	A
0	1	1	$\overline{A}$
1	0	0	A
1	0	1	$\overline{A}$
1	1	0	A
1	1	1	$\overline{A}$