



IN_3	IN_2	IN_1	IN_0	OUT_1	OUT_0	V
0	0	0	1	0	0	1
0	0	1	x	0	1	1
0	1	x	x	1	0	1
1	x	x	x	1	1	1
0	0	0	0	x	x	0

OUT_0 :

IN : $3-2$	$1-0$	00	01	11	10
00		0	0	1	1
01		0	0	0	0
11		1	1	1	1
10		1	1	1	1

$$OUT_0 = IN_3 + IN_1 \overline{IN_2}$$

OUT_1 :

IN : $3-2$	$1-0$	00	01	11	10
00		0	0	0	0
01		1	1	1	1
11		1	1	1	1
10		1	1	1	1

$$OUT_1 = IN_3 + IN_2$$

V :

IN : $3-2$	$1-0$	00	01	11	10
00		0	1	1	1
01		1	1	1	1
11		1	1	1	1
10		1	1	1	1

$$V = IN_3 + IN_2 + IN_1 + IN_0$$

