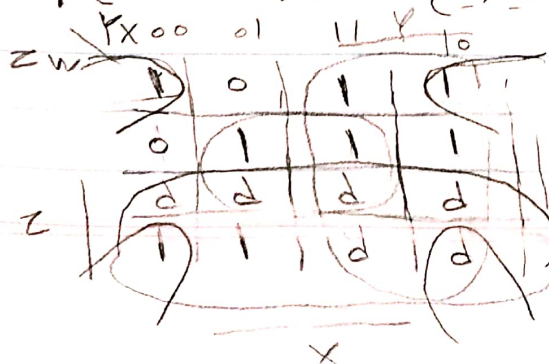


a	b	c	d	e	f	g	Minis/Max
✓	✓	✓	✓	✓	✓		0
	✓	✓					1
✓	✓		✓	✓		✓	2
✓	✓	✓	✓			✓	3
	✓	✓			✓	✓	4
✓		✓	✓		✓	✓	5
✓		✓	✓	✓	✓	✓	6
✓	✓	✓					7
✓	✓	✓	✓	✓	✓	✓	8
✓	✓	✓	✓		✓	✓	9

Z	W	Y	X	
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	0	0	0	8
1	0	0	1	9

$$a = F_g(ZWYX) = \sum m(0, 2, 3, 5, 6, 7, 8, 9)$$



$$w'x' + xw + z' + y$$

$$b = f_r(zwYx) = \sum m(0, 1, 2, 3, 4, 5, 6, 7)$$

	$Yx$			
	$zw$	$\bar{z}w$	$z\bar{w}$	$\bar{z}\bar{w}$
$z$	1	0	1	0
	d	d	d	d
$\bar{z}$	1	1	d	d
	1	1	d	d
	$x$			

$$b = x'y' + xy' + xw'$$

$$c = f_r(zwYx) = \sum m(0, 1, 2, 3, 4, 5, 6, 7)$$

	$Yx$			
	$zw$	$\bar{z}w$	$z\bar{w}$	$\bar{z}\bar{w}$
$z$	1	1	1	1
	d	d	d	d
$\bar{z}$	1	1	d	d
	1	1	d	d
	$x$			

$$wc = x + w + y'$$

$$d = f_r(zwYx) = \sum m(0, 1, 2, 3, 4, 5, 6, 7)$$

	$Yx$			
	$zw$	$\bar{z}w$	$z\bar{w}$	$\bar{z}\bar{w}$
$z$	1	0	1	1
	0	1	0	1
$\bar{z}$	d	d	d	d
	1	1	d	d
	$x$			

$$d = x'w' + wxY' + Yx' + Yw'$$

$$e = F_0(zwx y) = \sum m(0, 2, 4, 1)$$

	xy			y
zw	1	0	0	1
	0	0	0	1
z	d	d	d	d
	1	0	d	d
				x

$$e = w'x' + yx'$$

$$f = F_4(zwx y) = \sum m(0, 2, 3, 4, 5, 7, 1, 9)$$

	xy			y
zw	1	0	0	0
	1	1	0	1
z	d	d	d	d
	1	1	d	d
				x

$$f = wx' + x'y' + z + wy'$$

$$g = F_5(zwx y) = \sum m(1, 2, 3, 4, 5, 7, 1, 9)$$

	xy			y
zw	0	0	1	1
	1	1	0	1
z	d	d	d	d
	1	1	d	d
				x

$$g = z + wx' + w'x + xy'$$