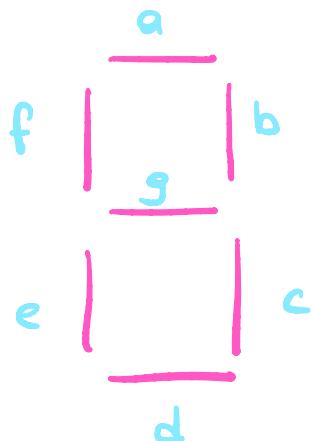


x	y	z	a	b	c	d	e	f	g
0	0	0 (0)	1	1	1	1	1	1	0
0	0	1 (1)	0	1	1	0	0	0	0
0	1	0 (2)	1	1	0	1	1	0	1
0	1	1 (3)	1	1	1	1	0	0	1
1	0	0 (4)	0	1	1	0	0	1	1
1	0	1 (5)	1	0	1	1	0	1	1
1	1	0 (6)	1	0	1	1	1	1	1
1	1	1 (7)	1	1	1	0	0	0	0



	x	y	z	F	
(0)	0	0	0	1	$\overline{x}y\bar{z}$
(1)	0	0	1	0	
(2)	0	1	0	0	
(3)	0	1	1	0	
(4)	1	0	0	1	$x\bar{y}\bar{z}$
(5)	1	0	1	1	$x\bar{y}z$
(6)	1	1	0	1	$x\bar{y}\bar{z}$
(7)	1	1	1	0	$x\bar{y}z$

x and not y

or

x and not z

or

not y and not z

	x	y	z	Σ
(0)	0	0	0	1
(1)	0	0	1	0
(2)	0	1	0	1
(3)	0	1	1	0
(4)	1	0	0	0
(5)	1	0	1	0
(6)	1	1	0	1
(7)	1	1	1	0

$$\begin{array}{r} \overline{xyz} \\ - \overline{xyz} \\ \hline \end{array}$$

$$xy^2$$

(y or not x)

and

not z

	x	y	z	G
(0)	0	0	0	0
(1)	0	0	1	0
(2)	0	1	0	1
(3)	0	1	1	1
(4)	1	0	0	1
(5)	1	0	1	1
(6)	1	1	0	1
(7)	1	1	1	0

$$\begin{array}{l} \bar{x}y\bar{z} \\ \bar{x}y\bar{z} \\ \times \bar{y}\bar{z} \\ \hline x\bar{y}\bar{z} \\ x\bar{y}\bar{z} \end{array}$$

x and not y

or

y and not x

or

y and not z

	x	y	z	c
(0)	0	0	0	1
(1)	0	0	1	1
(2)	0	1	0	0
(3)	0	1	1	1
(4)	1	0	0	1
(5)	1	0	1	1
(6)	1	1	0	1
(7)	1	1	1	1

$$\overline{xyz}$$

$$\overline{x}\overline{yz}$$

$$x\overline{y}z$$

$$xy\overline{z}$$

$$xy\overline{z}$$

x

or

2

or

not y

	x	y	z	D	
(0)	0	0	0	1	$\bar{x}\bar{y}\bar{z}$
(1)	0	0	1	0	
(2)	0	1	0	1	$\bar{x}y\bar{z}$
(3)	0	1	1	1	$\bar{x}yz$
(4)	1	0	0	0	
(5)	1	0	1	1	$x\bar{y}z$
(6)	1	1	0	1	$x\bar{y}\bar{z}$
(7)	1	1	1	0	

x and not y and z

or

not x and y

or

y and not z

or

not x and not z

	x	y	z	A
(0)	0	0	0	1
(1)	0	0	1	0
(2)	0	1	0	1
(3)	0	1	1	1
(4)	1	0	0	0
(5)	1	0	1	1
(6)	1	1	0	1
(7)	1	1	1	1

$$\bar{x}\bar{y}z$$

$$\bar{x}yz$$

$$\bar{x}yz$$

$$x\bar{y}z$$

$$xy\bar{z}$$

$$xyz$$

x and z

or

y

or

not x and not z

	x	y	z	B
(0)	0	0	0	1
(1)	0	0	1	1
(2)	0	1	0	1
(3)	0	1	1	1
(4)	1	0	0	1
(5)	1	0	1	0
(6)	1	1	0	0
(7)	1	1	1	1

\overline{xyz}
 $\overline{x}\overline{y}z$
 $\overline{x}\overline{y}\overline{z}$
 $\overline{x}yz$
 $x\overline{yz}$

xyz

y and z
or

not x

or

not y and not z

