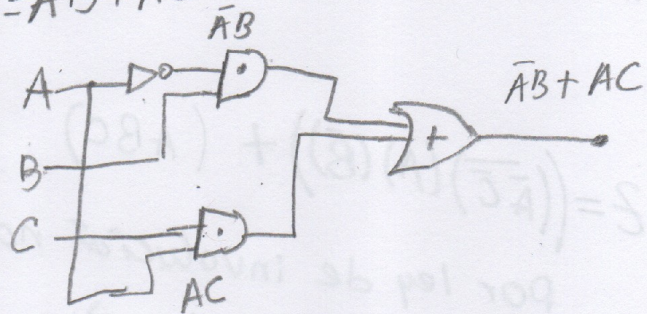


Alejandra Claire Aguilar Mata

a)  $\bar{A}BC + A\bar{B}C + ABC + B\bar{C}$

A \ BC	00	01	11	10
0	0	0	1	1
1	0	1	1	0

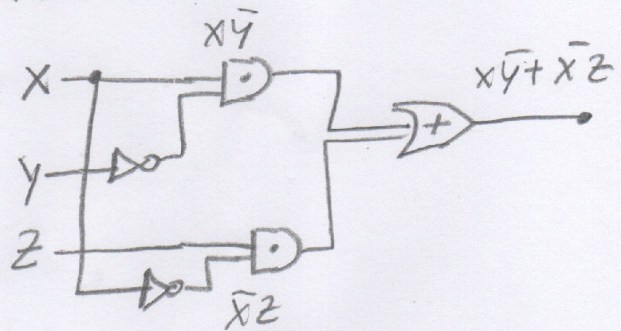
$X = \bar{A}B + AC$



b)  $D = \bar{y}(x+z) + z(\bar{x}+y) + xz$

x \ yz	00	01	11	10
0	0	1	1	0
1	1	1	0	0

$D = x\bar{y} + \bar{x}z$



c)  $Z = (\bar{A}+B)(A+B)$

$\bar{A}\bar{A} + \bar{A}B + BA + BB$

A \ B	0	1
0	0	1
1	0	1

$Z = B$



2.

$$Y = (AC) + (B\bar{C}) + (\bar{A}BC)$$

3.

$$Z = ((\bar{A}\bar{C})(A)(\bar{B})) + (ABC)$$

Por ley de involución nos queda

$$Z = ((AC)(A)(\bar{B})) + (ABC)$$

1	1	0	0	0
0	1	1	0	1