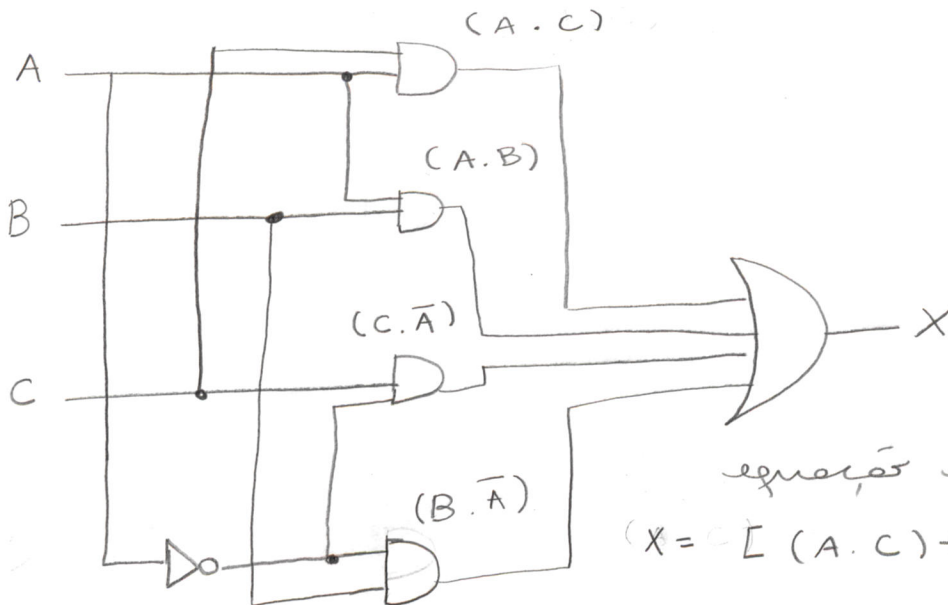


Structure Lógica do Nanto.



equações booleanas:

$$X = C + (A.C) + (A.B) + (C.A) + (B.A)$$

Tabela Verdade

A	B	C	A.C	A.B	C.A	B.A	X
0	0	0	0	0	0	0	0
0	0	1	0	0	1	0	1
0	1	0	0	0	0	1	1
0	1	1	0	0	0	1	1
1	0	0	0	0	1	0	1
1	0	1	1	0	0	0	1
1	1	0	0	1	0	0	1
1	1	1	1	1	0	0	1

Simplificar Tabela:

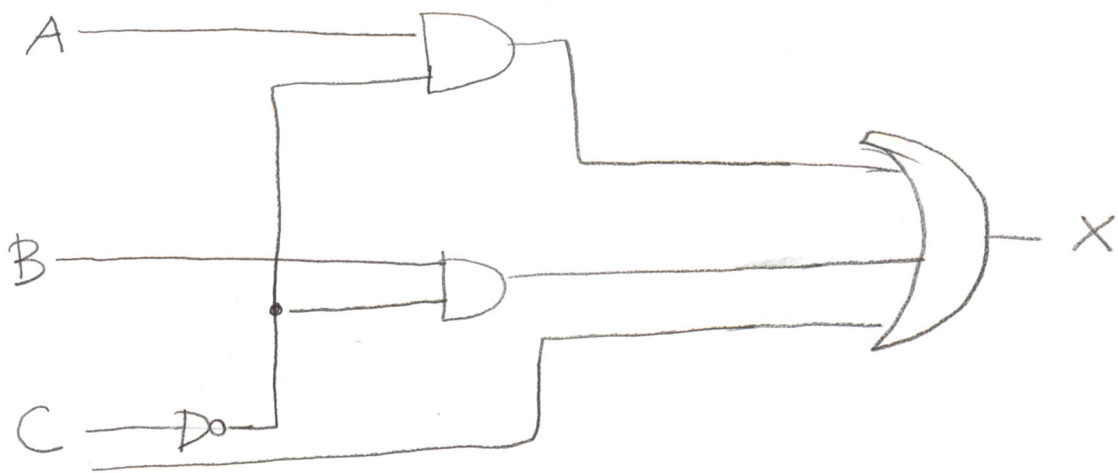
A \ BC	$\bar{A}\bar{B}$	$\bar{A}B$	AB	$A\bar{B}$
\bar{C}	0	1	1	1
C	1	1	1	1

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

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

$$X = \bar{B}\bar{C} + BC + AC$$

$$X = \bar{B} + \bar{B}C + BC + AC =$$



A	B	C	$B\bar{C}$	$A\bar{C}$	X
0	0	0	0	0	0
0	0	1	0	0	1
0	1	0	1	0	1
0	1	1	0	0	1
1	0	0	0	1	1
1	0	1	0	0	1
1	1	0	1	1	1
1	1	1	0	0	1