

TP3

1.

a)

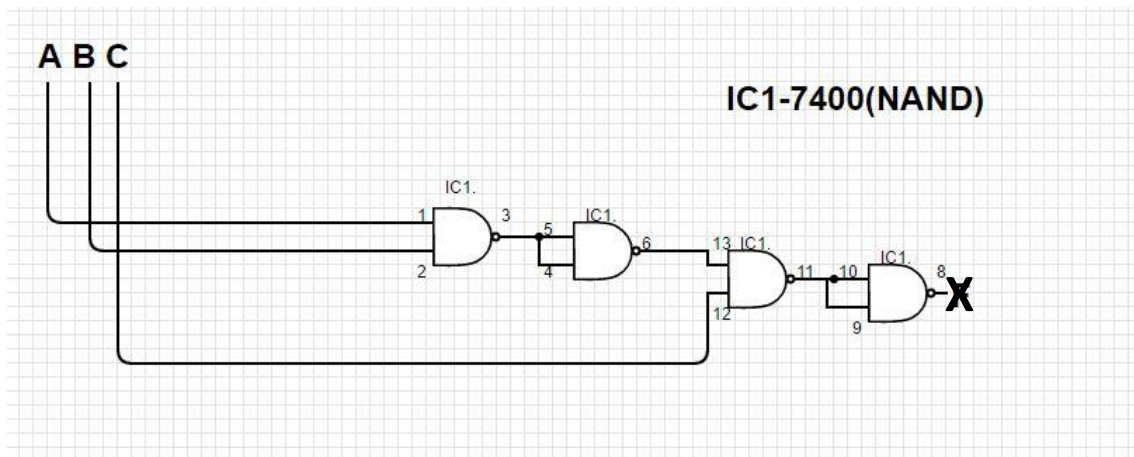
sinais de entrada- A,B,C

sinais de saída -X

b)

A	B	C	$\overline{A} \cdot \overline{B}$	$A \cdot B$	$\overline{A} \cdot \overline{B} \cdot \overline{C}$	X=ABC
0	0	0	1	0	1	0
0	0	1	1	0	1	0
0	1	0	1	0	1	0
0	1	1	1	0	1	0
1	0	0	1	0	1	0
1	0	1	1	0	1	0
1	1	0	0	1	1	0
1	1	1	0	1	0	1

c)



2.

a)

$$F = C'(B' + A \cdot B) = C'(B' + A)$$

b)

$$\overline{\overline{B \cdot A \cdot A} \cdot \overline{C \cdot C}} = \overline{B \cdot A \cdot A} \cdot \overline{C \cdot C}$$

15 portas NAND

2 CI'S- 7400

c)

A	B	C	F
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	0

