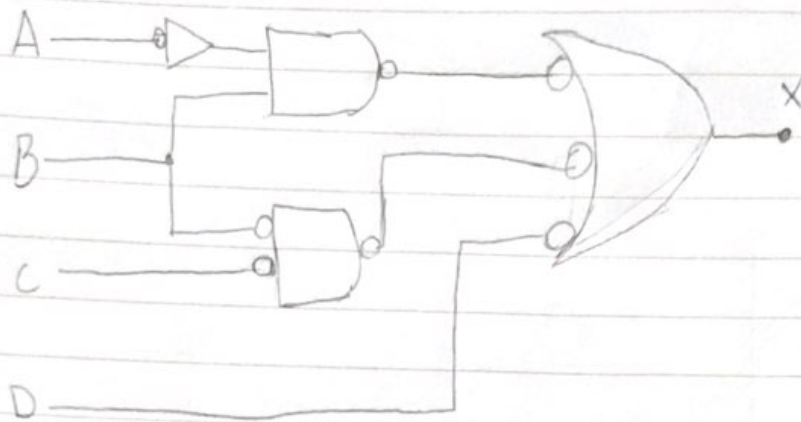


2) Alexandre Roque e Henrique Calha



a)

A	B	C	D	X
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	0
0	1	0	0	1
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	1
1	1	1	1	0

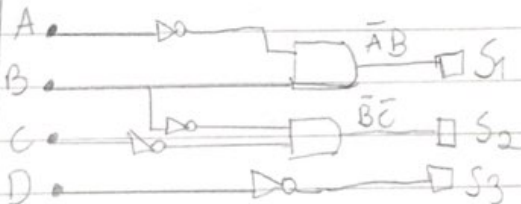
$$X = \overline{A}B + \overline{B}C + \overline{D}$$

$$X = \overline{A}B + \overline{B}C + \overline{D}$$

	A	A	
\overline{C}	1	1	1
	1	1	0
C	0	1	0
	1	1	1
	B	B	\overline{B}

$$S_1 = \overline{A}B \quad S_2 = \overline{B}C \quad S_3 = \overline{D}$$

$$X = 1$$



b) Circuito:

