

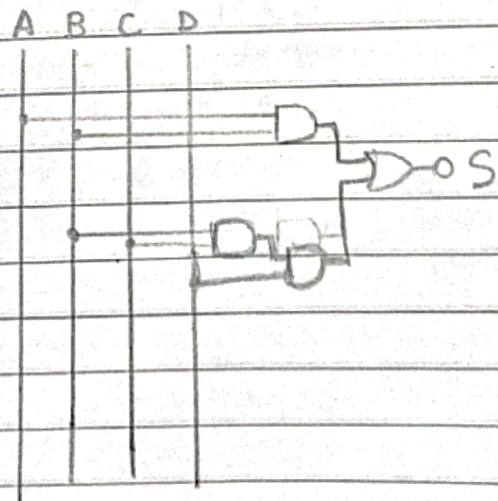
Prática 03

- Problema 01
- Já passa das cinco horas = A
 - Todas as máquinas estão desligadas = B
 - É sexta-feira = C
 - Produção do dia foi atingida = D
 - Tocar a Sirene = S

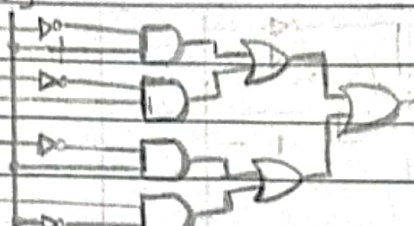
1.	A	B	C	D	S
	0	0	0	0	0
	0	0	0	1	0
	0	0	1	0	0
	0	0	1	1	0
	0	1	0	0	1
	0	1	0	1	1
	0	1	1	0	0
	0	1	1	1	1
	1	0	0	0	0
	1	0	0	1	0
	1	0	0	1	1
	1	1	1	0	0
	1	1	1	0	1
	1	1	1	1	0
	1	1	1	1	1
	*	↑			*

AB \ CD	00	01	11	10
00				
01			1	
11	1	1	1	1
10				

AB + BCD



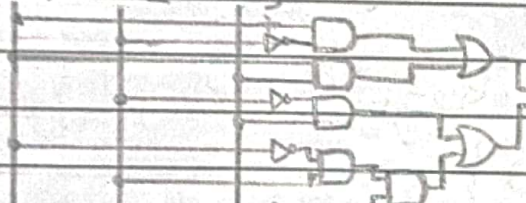
Problema 02

x_1	x_2	x_3	E_1	$x_1 \backslash x_3$	00	01	11	10	
0	0	0	0	00		1	1	1	$\neg x_1 + \neg x_2 + \neg x_3$
0	0	1	1	1		1		1	$x_1 \cdot \neg x_2$
0	1	0	1						$\neg x_1 \cdot x_3 + \neg x_1 \cdot x_2 + \neg x_2 \cdot x_3 + x_2 \cdot$
0	1	1	1						$\neg x_3$
1	0	0	0	x_1	x_2	x_3			
1	0	1	1						
1	1	0	1						
1	1	1	0						
1	1	1	0						

$x_1 \backslash x_3$	00	01	11	10	x_1	x_2	x_3	E_2
0		1	1	1	0	0	0	0
1	1	1	1		0	0	1	1
					0	1	0	1
					0	1	1	0
					1	0	0	1
					1	0	1	1
					1	1	0	0
					1	1	1	1

$x_1 \cdot \neg x_2 + x_1 \cdot x_3 + \neg x_2 \cdot x_3 + \neg x_1 \cdot x_2 \cdot \neg x_3$

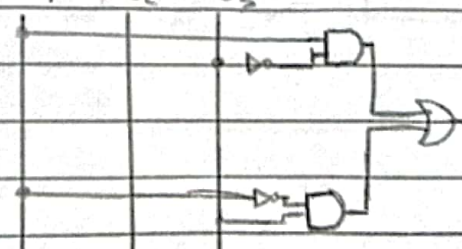
$x_1 \quad x_2 \quad x_3 \quad E_2$



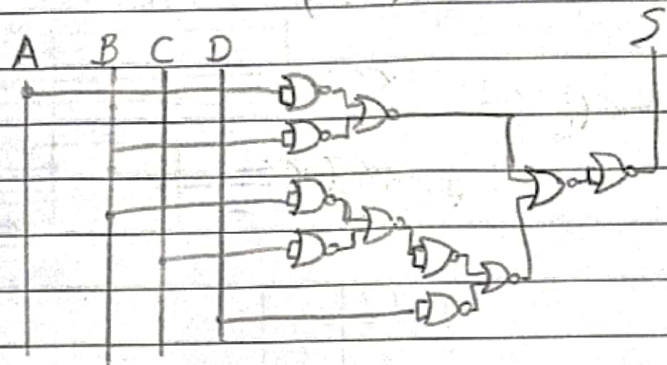
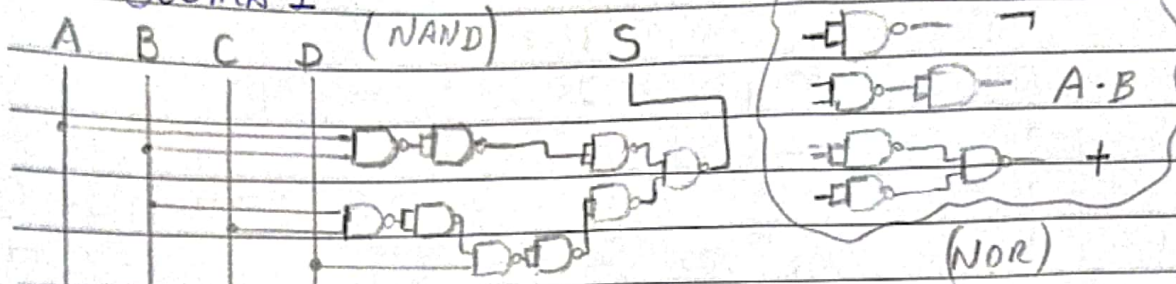
x_1	x_2	x_3	E_3	$x_1 \backslash x_3$	00	01	11	10
0	0	0	0	0		1	1	
0	0	1	1	1	1	1		1
0	1	0	0					
0	1	1	1					
1	0	0	1					
1	0	1	0					
1	1	0	1					
1	1	1	0					

$x_1 \cdot \neg x_3 + \neg x_1 \cdot x_3$

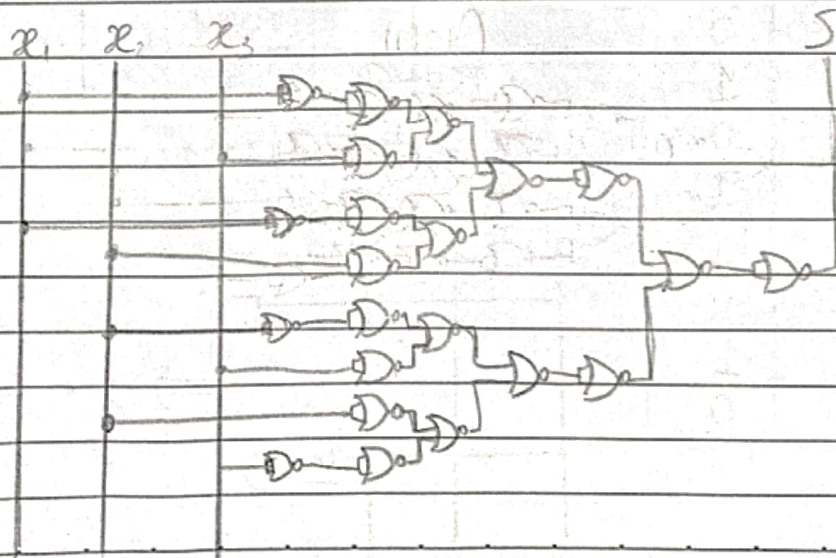
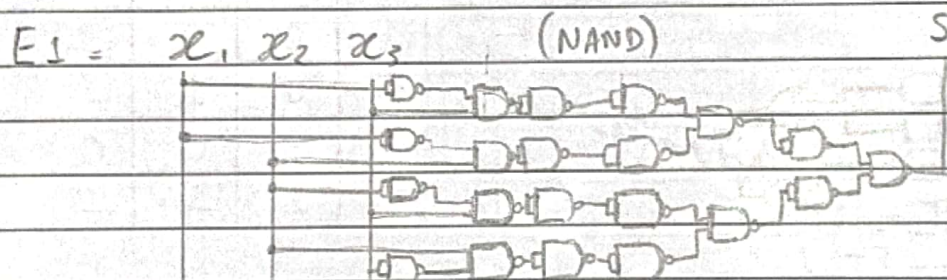
$x_1 \quad x_2 \quad x_3$



PROBLEMA 1



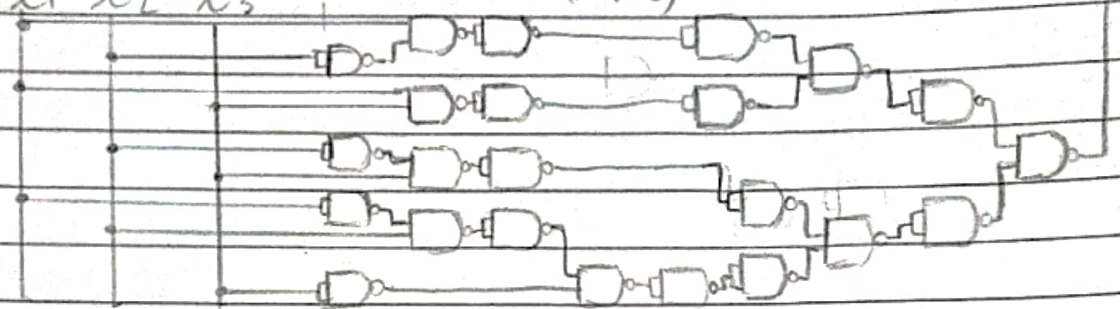
Problema 2



$$E_2 = x_1 x_2 x_3$$

(NAND)

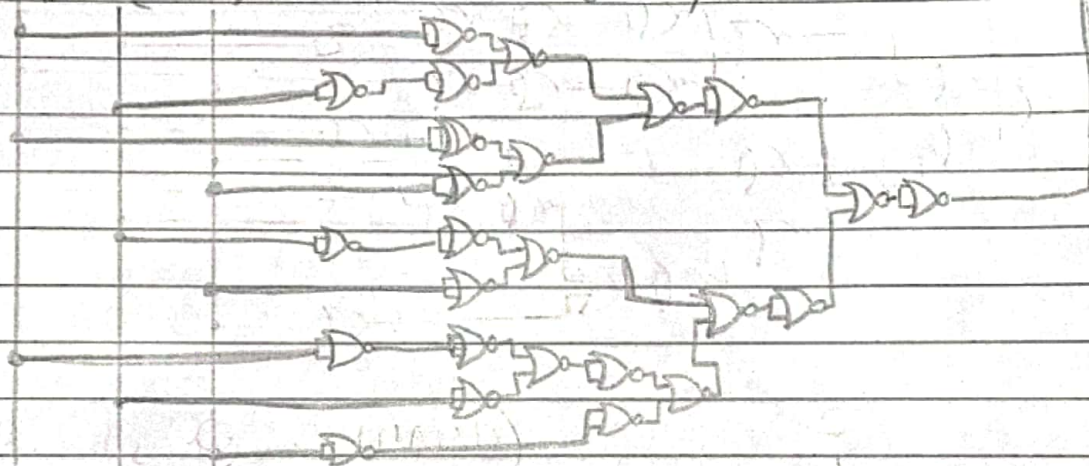
S



$$x_1 \quad x_2 \quad x_3$$

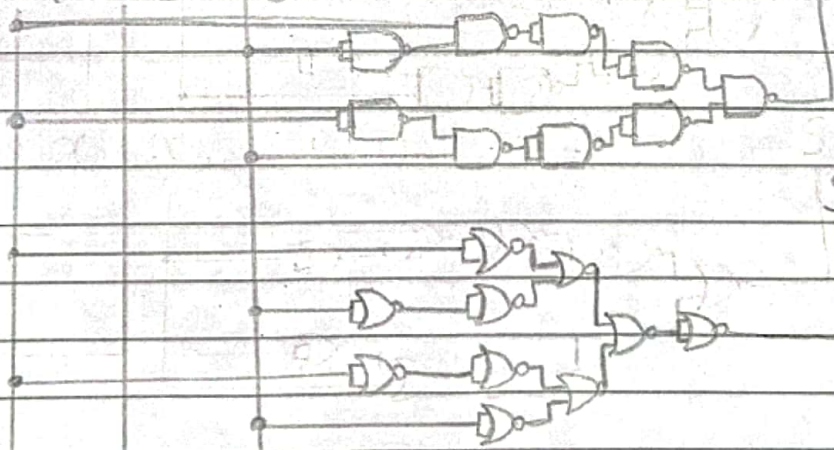
(NOR)

S



$$E_3 = x_1 x_2 x_3$$

S



S