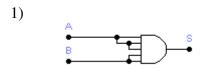
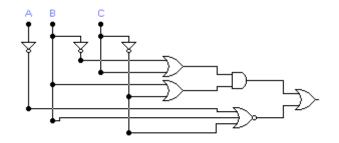


Universidade Federal da Fronteira Sul Curso de Ciência da Computação Disciplina: Circuitos Digitais Professor: Luciano L. Caimi

Respostas da Lista de Exercícios 1



3)



A	В	C	S
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	0
1	1	1	1

4) a)
$$S = \overline{(B\overline{C})(A\overline{C})} + \overline{(A\overline{C})} + \overline{A}$$

A	В	C	S
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	0
1	1	1	1

b)
$$S = \overline{A} + \overline{AC} + \overline{AC} + (\overline{A+B})$$

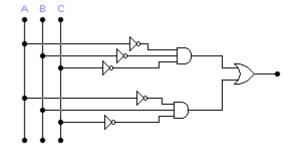
A	В	C	S
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	0

5) a)
$$S = f(A,B,C) = \Pi 6$$

b)
$$S = f(A,B,C) = \Pi 5,7$$

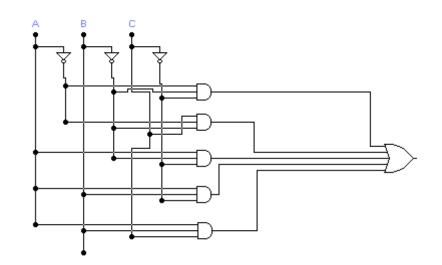
6) a)

A	В	C	S
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	0



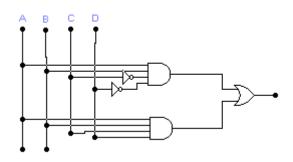
b)
U	,

A	В	C	S
0	0	0	1
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	1



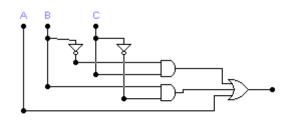
A	В	C	S
0	0	0	1
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	1
	0 0 0 0 1 1	0 0 0 0 0 1 0 1 1 0 1 0	0 0 0 0 0 1 0 1 0 0 1 1 1 0 0 1 0 1

7)



8)

,				
	A	В	C	S
	0	0	0	0
	0	0	1	1
	0	1	0	1
	0	1	1	0
	1	0	0	1
	1	0	1	1
	1	1	0	1
	1	1	1	1
				-



9)

