## INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DO ESTADO DE SÃO PAULO Campus São João da Boa Vista

c)

d)

e)

## 4ª Lista de CID

Nota: [ \_\_\_\_ ]

	Professor Scarcelli		Circuitos Digitais - 24/05/202	22	Χ,
	Nome:			Prontuário:	
1 – Simpl	lifique usando Karnaugh	nt as seguintes tal	belas verdade e monte o circuito lógico:		
a)	A B C S 0 0 0 0 0 0 1 1 0 1 0 1 1 0 0 1 1 0 1 1	b)	C)  A B C S  0 0 0 1  0 0 1 1  0 1 0 1  0 1 1 0  1 0 0 1  1 0 0 0  1 1 0 0	A B C S 0 0 0 1 0 0 1 0 0 1 0 1 0 1 1 0 1 0 0 1 1 0 1 -	
d)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1     1     0     -       1     1     1     -	_
(a)	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         1         0           0         1         1         0         0           0         1         1         1         0           0         1         1         1         0         1           1         0         0         0         1         1           1         0         0         0         1         1           1         0         1         0         1         1           1         0         1         0         1         1           1         1         0         0         1         1           1         0         1         1         1         0           1         1         1         0         1         1           1         1         1	e)	A       B       C       D       S         0       0       0       0       0         0       0       0       1       0         0       0       1       0       0         0       1       0       0       0         0       1       0       1       1         0       1       1       1       1         1       0       0       0       1         1       0       0       0       1         1       0       1       1       1         1       0       1       1       -         1       1       0       0       -         1       1       0       0       -         1       1       0       0       -         1       1       0       0       -         1       1       0       0       -         1       1       1       0       -         1       1       1       0       -         1       1       1       1       -         1       1       1 <td></td> <td></td>		
2) Simplia)	fique usando mapas de l	_		. = = _	
b)	A. B. C. D		$ar{A}.ar{B}.C.ar{D}+ar{A}.B.ar{C}.D+A.ar{B}.ar{C}.ar{D}+A.ar{B}.ar{C}.ar{D}+A.ar{B}.ar{C}.ar{D}+A.ar{C}.ar{C}$	A. B. C. D	

 $\overline{A.B.C.D} + \overline{A.B.C.D} + \overline{A.B.C.D} + \overline{A.B.C.D}$ 

 $\bar{A}.\bar{B}.\bar{C}.\bar{D} + \bar{A}.B.\bar{C}.\bar{D}$ 

 $\overline{A.B.C.D} + \overline{C.D} + \overline{\overline{A.B}}$