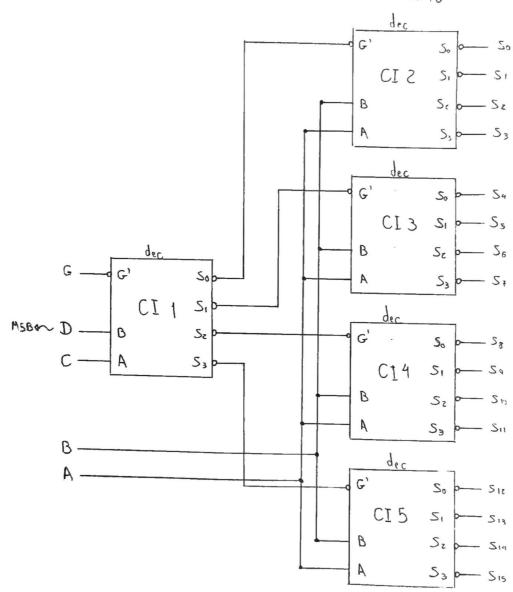
Nome: Helder Henrique da Silva RA: 20250326 29104/21

1- Associação de decodificadores 2x4 - 4x16



Nome: Helder Henrique da Silva

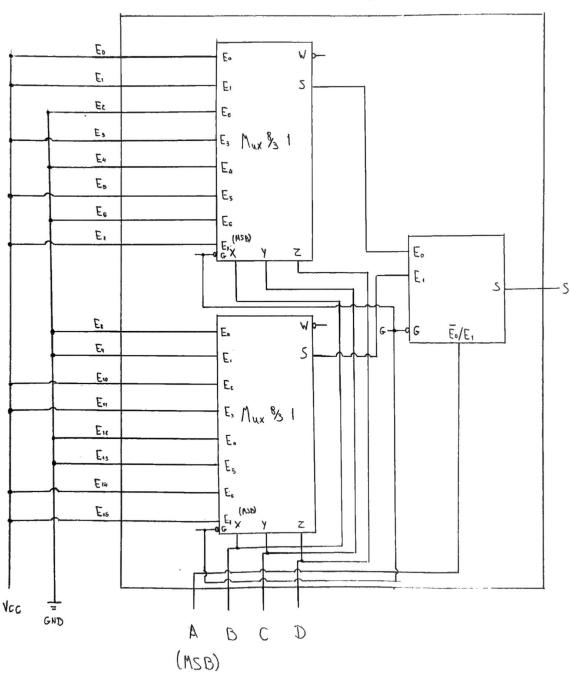
15/10/195 35EDZ505:AA

- Achando os mintermos

 $f(A,B,C,D) = \sum_{m} (0,1,3,5,7,10,11,14,15)$

F	ntr	adas		Saida
A	В	C	D	5
0	0	0	0	1
	0	0	1	
0	0	1	0	0
0	0	1	1	1
	1	0	0	0
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	ł	0	1
1	0	1	1	
1	1	0	0	0
1	1	0	1	0
1	1	1	0	
1	1	1	1	1

2- Continuação (Associação de multiplexadores)



Nome: Helder Henrique da Silva RA: 0250326 29104121 3- Multiplicador de duas palarras A(A, Ao) B(B, Bo) Saida S(S, Sz, S, So) - Seguindo a mesma lógica dos somadores. B, B. JAND Equações de Saída $S_{c} = ((A_1 B_0) (A_0 B_1)^{-}) \oplus (A_1 B_1) /$ Portos Logicas $S_3 = ((A_1B_0), (A_0B_1)), (A_1B_1)/$ A. β. A, Β, AND AND AND AND half-adder half adder AND AND

Si

Sı

5,

Nome: Helder Henrique da Silva RA: 20250326 29/04/21

4. Decodificador de 7 segmentos (catodo comum)

- Projeta usando decodificador BCD 4x16 - 4x10

Tabela da Verdade

	E,	trade	7.5				Said	2 0			-
D	Ć	В	A	a	Ь	С	d	e	f	19	D126/31
0	0	0	0	1	1	-{	1	1	1	0	Į.
0	. 0	0	1	0	1	1	0	0	0	0	1
0	0	1	0	{	1	0	1	1	0	1	5
0	0	1	1	1	1	1	1	0	0	1	3
0	1	0	0	0	1	1	0	0	1	1	LI I
0	1	0	1	1	0	1	1	0	1	1	157
0	1	1	0	1	0	1	{	1	1	1	10
0	1	1	1	1	1	1	0	0	1	0	ij
1	0	0	0	1	1	1	1	1	1	1	E
1	0	0	1	1	1	1	1	0	1	1	0
1	0	1	0	_	-	_	-	-	_	_	X
1	0	1	- 1	_	-	-	-	-	-	_	х
1	1	0	0	-	-	-	-	-	-	-	X
1	1	0	1	-	-	-	-	-	-	_	×
1	1	1	0	-	-	-		-	-	-	X
1	1	1	1	-		-	-	-	-	-	Х

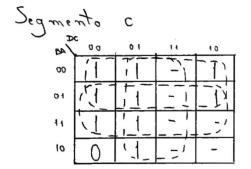
Equoções dos segmentos

Segmento a

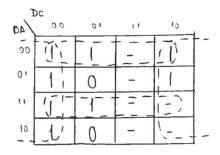
Do					
/ AO	001	0 1	11	113	
00	1;	0	(-		
01	0	1	12	11	
11	1	1	アジ		
10	11.	1		===	-
	T			ł	

$$\alpha = B + D + \overline{C} \overline{A} + CA$$

 $\alpha = B + D + \overline{(C \oplus A)}_{//}$

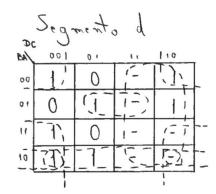


Sen	ment		b
769	Int. NI	U	U



$$b = \bar{C} + \bar{B}\bar{A} + BA$$

$$b = \bar{C} + (A \oplus B)$$



Segme	ota	e			
Seg me	001	01	11	, 10	_
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- 01	0	0	-	0	
11	0	0	-	-	
10	T	1		155	-
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		-		_
e	=	CA	+	BA

Do	. Se	3 we my	o t	
BA \	00	01	1.1	10
00	1	77	1-1-	
01	0	1-1	1-1	1
ł t	0	1		-
10	0	1,1	52	

	5	7	_	
Do	5	wedgo	3	
DA	00	01	11	10
00	0	11	1-1	1.
01	0	1	-/	1
11	1	0	1 -	1-1-
10	11		1	动

Nome: Helder Henrique da Silva RA: 20250326 29/04/21

4- Projeto Campleto

