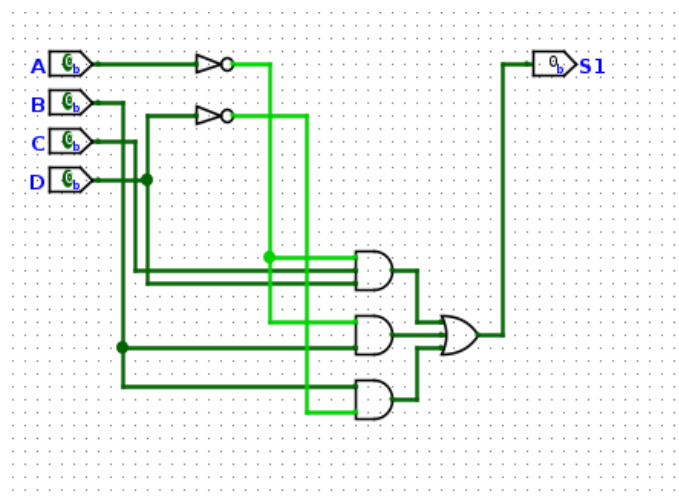


Academicos: Daniel Pierrelus e Kerby Lovince

1) A tabela de verdade

	A	B	C	D	E	F	G	H	
1	0	0	0	0	0	0	0	1	
2	0	0	0	1	0	0	1	0	
3	0	0	1	0	0	1	0	0	
4	0	0	1	1	1	0	0	0	
5	0	1	0	0	1	0	0	1	
6	0	1	0	1	1	0	1	0	
7	0	1	1	0	1	1	0	0	
8	0	1	1	1	1	1	1	0	
9	1	0	0	0	0	0	0	1	
10	1	0	0	1	0	1	0	1	
11	1	0	1	0	0	1	1	1	
12	1	0	1	1	0	1	1	0	
13	1	1	0	0	1	1	1	1	
14	1	1	0	1	0	0	0	0	
15	1	1	1	0	1	1	0	1	
16	1	1	1	1	0	0	1	1	
17									

S1)



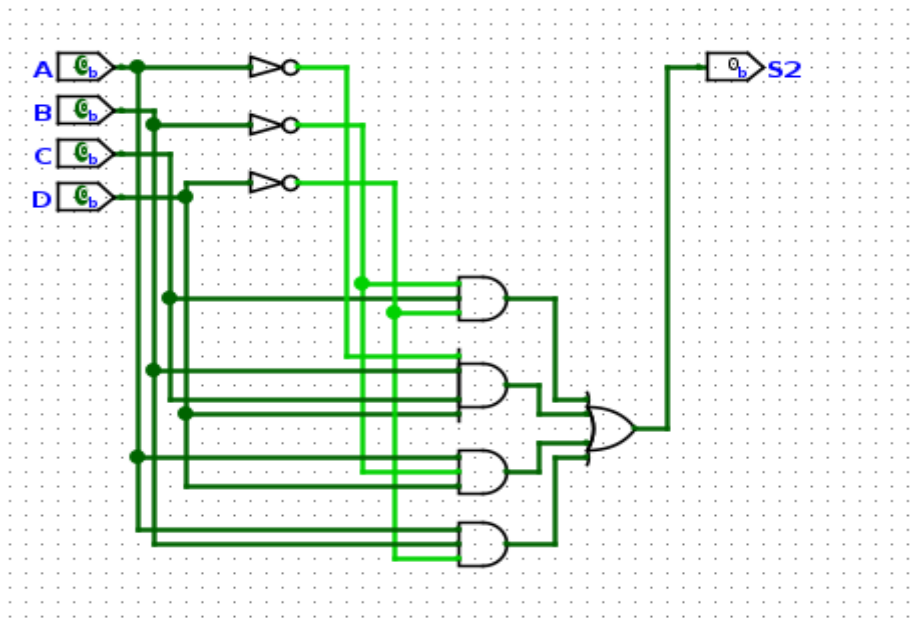
$$\bar{A} \cdot C \cdot D + \bar{A} \cdot B + B \cdot \bar{D}$$

		C, D			
		00	01	11	10
A, B	00	0	0	1	0
	01	1	1	1	1
	11	1	0	0	1
	10	0	0	0	0

S2)

A, B \ C, D					
		00	01	11	10
00	0	0	0	0	1
		0	0	1	0
11	1	1	0	0	1
		0	1	1	1

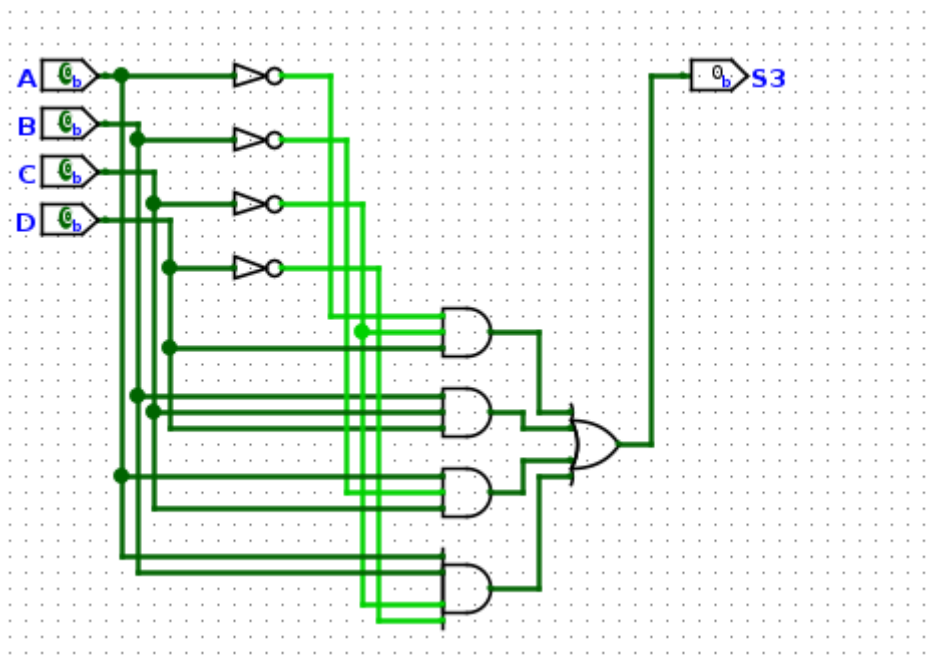
$$\bar{B} \cdot C \cdot \bar{D} + \bar{A} \cdot B \cdot C \cdot D + A \cdot \bar{B} \cdot D + A \cdot B \cdot \bar{D}$$



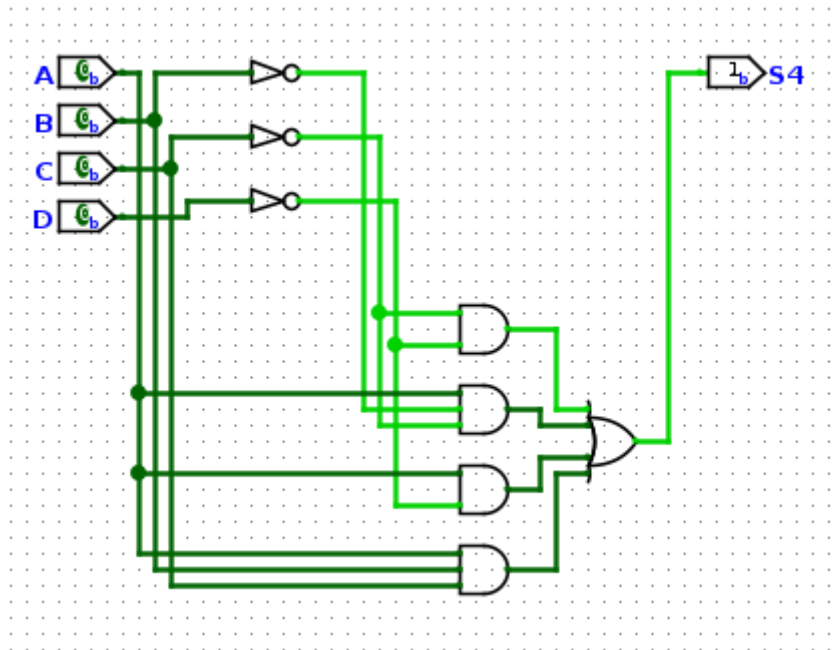
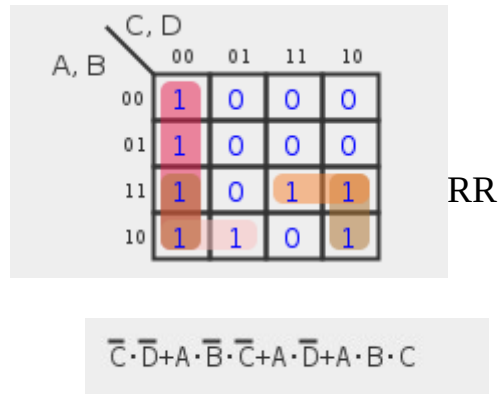
S3)

A, B \ C, D		C, D			
		00	01	11	10
00	0	1	0	0	
01	0	1	1	0	
11	1	0	1	0	
10	0	0	1	1	

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



S4)



Circuito no tinkercad

1- <https://www.tinkercad.com/things/eK1uIGZ5BCZ-ingenuous-luulia/editel?sharecode=42aWLIQ5sWsMezYnw62-88w4EVgAC2xWlXgmeJzBgNI>

2-

concluindo foi um trabalho bem legal chegamos entender bastante coisas mesmo se agente encontrou bastante dificuldades para fazer, más isso ajudar o crescimento do conhecimento.