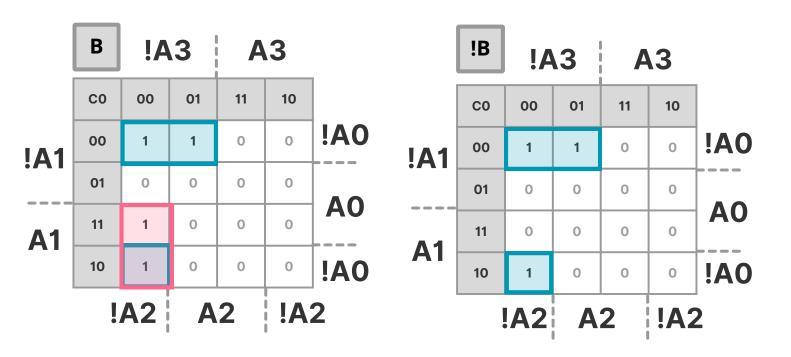
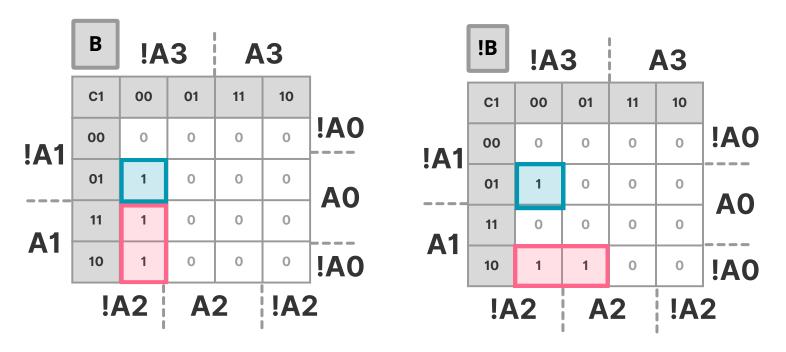
Próximo estado

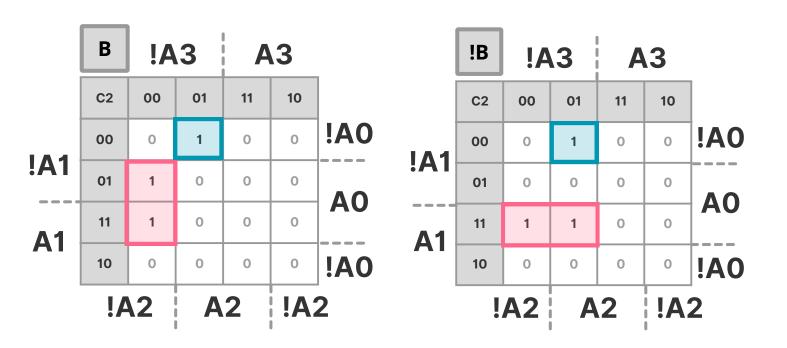


C0 = (!A3 !A1 !A0) + (!A3 !A2 A1 !A0) + (B !A3 !A2 A1)

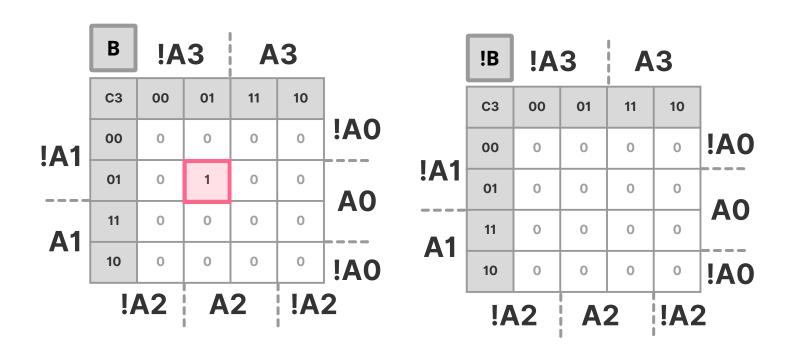


C1 = (!A3 !A2 !A1 A0) + (B !A3 !A2 A1) + (!B !A3 A1 !A0)

Próximo estado

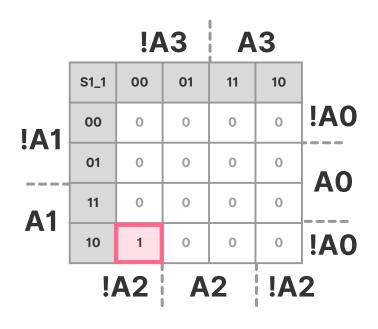


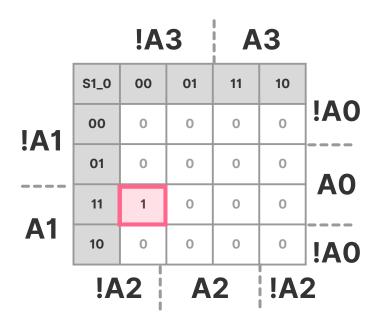
C2 = (!A3 A2 !A1 !A0) + (B !A3 !A2 A0) + (!B !A3 A1 A0)



C3 = B ! A3 A2 ! A1 A0

Semáforo 1

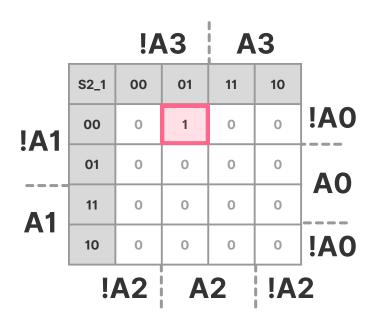


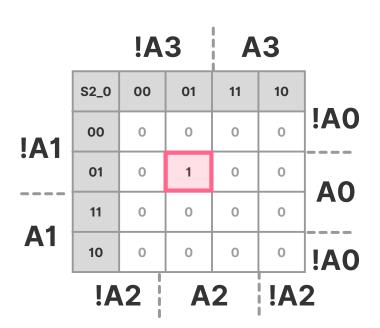


 $S1_1 = !A3 !A2 A1 !A0$

 $S1_0 = !A3 !A2 A1 A0$

Semáforo 2

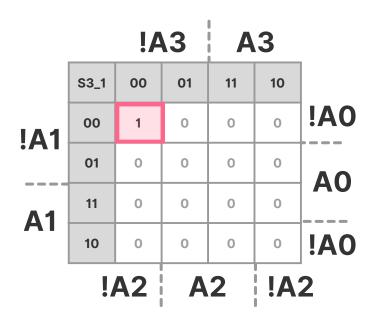


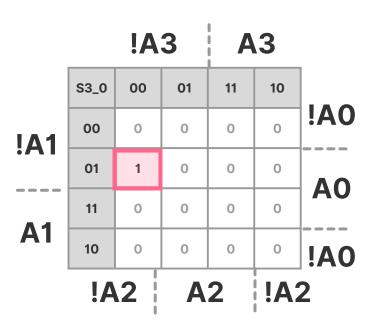


S2_1 = !A3 A2 !A1 !A0

 $S2_0 = !A3 A2 !A1 A0$

Semáforo 3

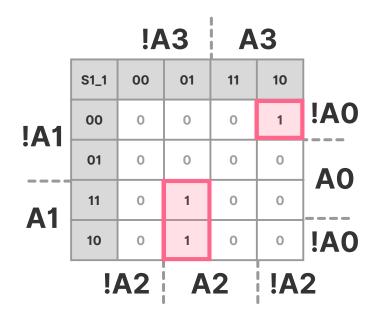




S3_1 = !A3 !A2 !A1 !A0

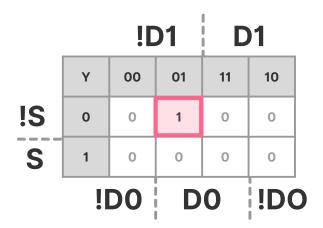
 $S3_0 = !A3 !A2 !A1 A0$

Semáforo de Pedestres



P = (!A3 A2 A1) + (A3 !A2 !A1 !A0)

Multiplexador



Y = !S !D1 D0

Decodificador

		!S0	S0
	DO	0	1
!S1	0	1	0
S1	1	0	Х

D0 = !S1 !S0

		!S0	S0
	D2	0	1
!S1	0	0	0
S1	1	1	Х

D2 = S1

		!SO	S0
	D1	0	1
!S1	0	0	1
S1	1	0	х

D1 = S0

		!S0	S0
	D3	0	1
!S1	0	Х	Х
S1	1	Х	Х

Saída desnecessária