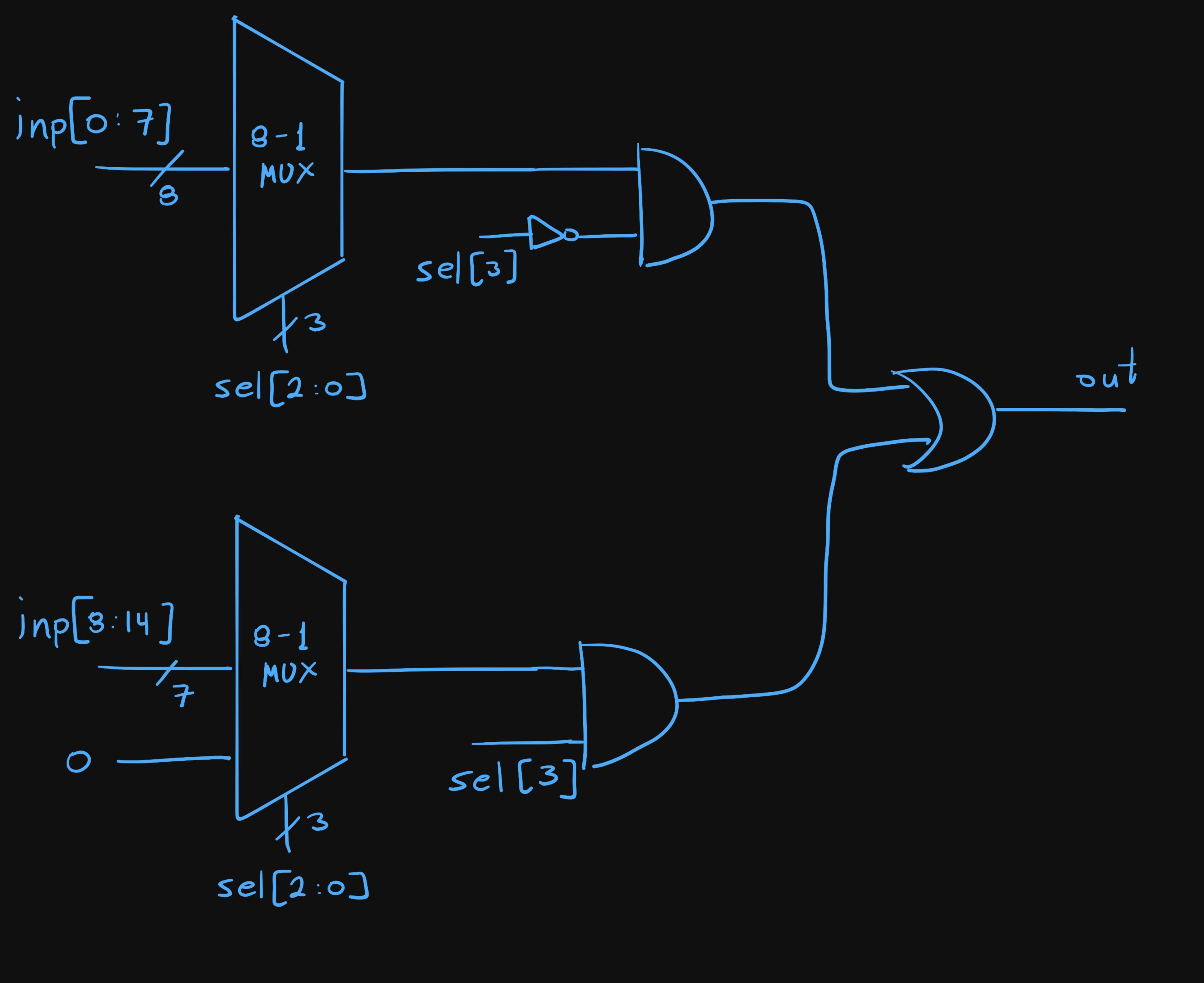
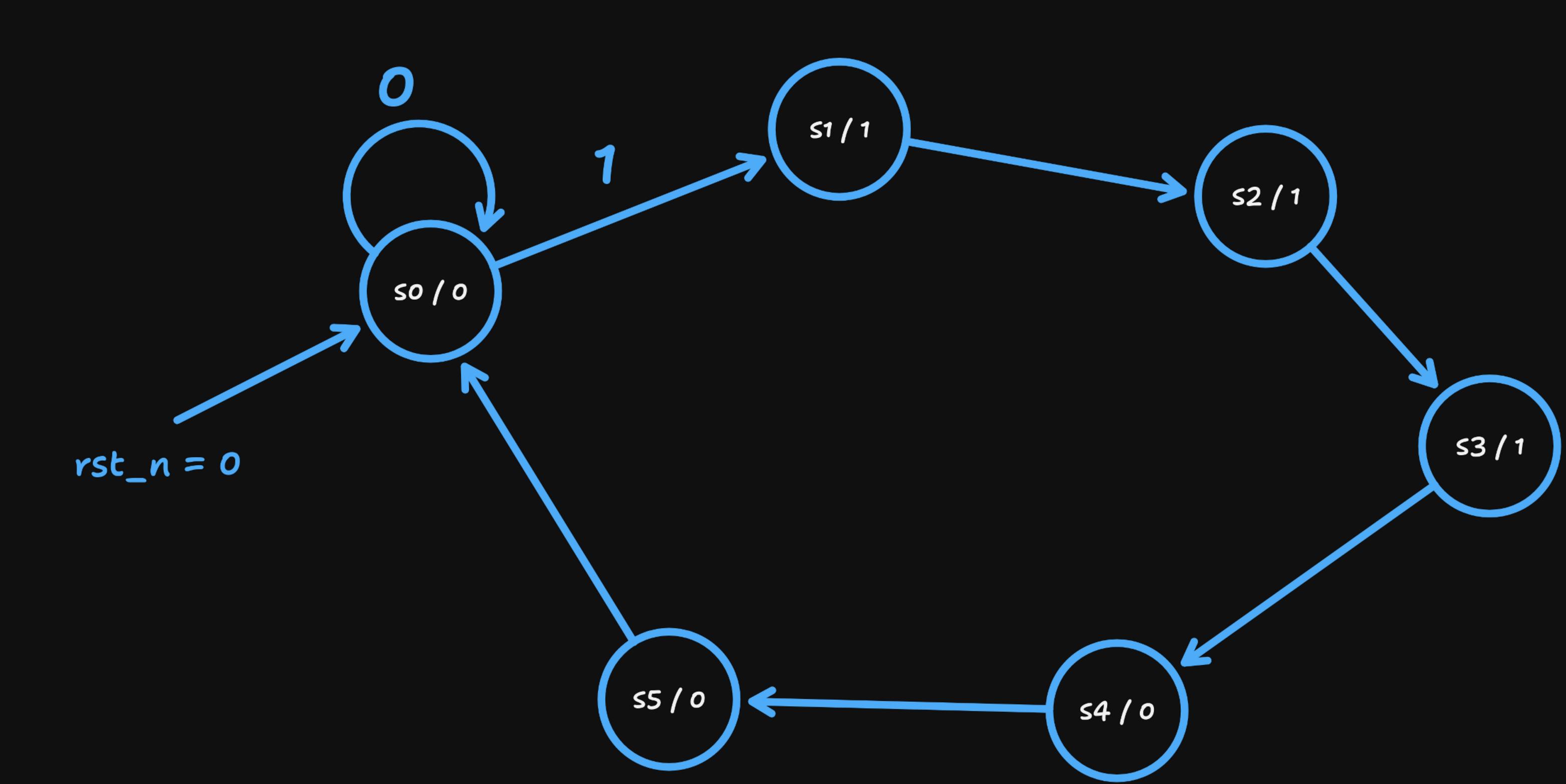
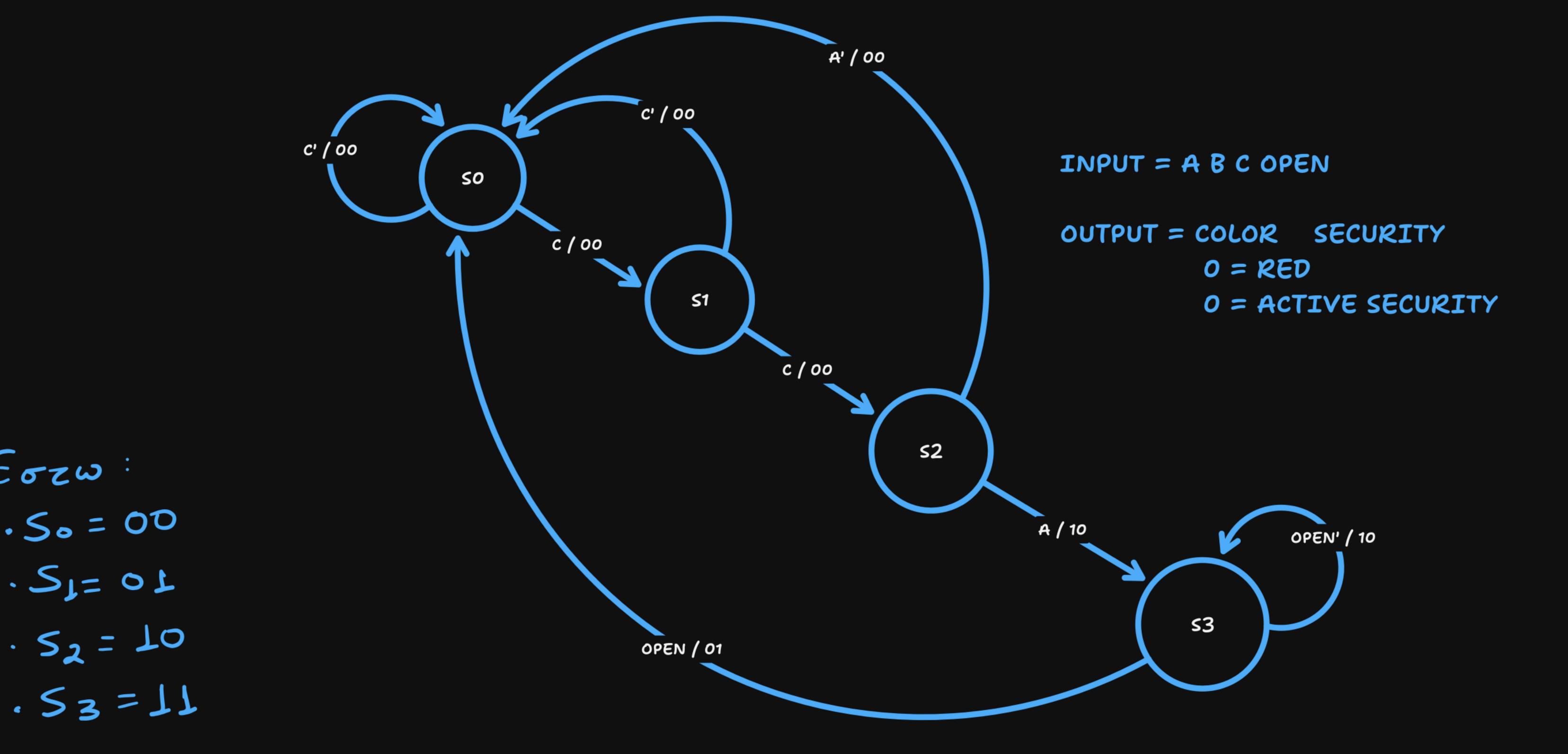


Εφόσον δεν έχουμε εξόδους, μάλλον **Moore FSM** Χρειαζόμαστε **4 FF** αφού η κάθε κατάσταση θα έχει **4 bits**







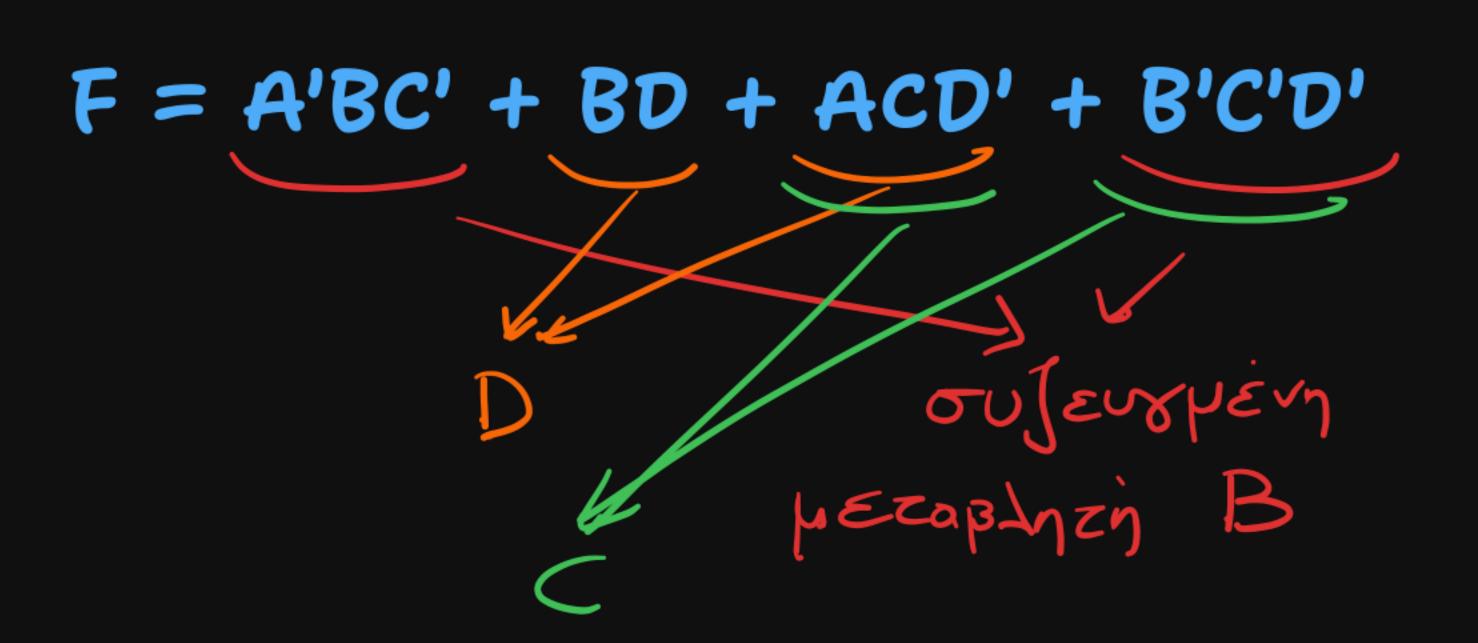
Eszw: .5 = 00

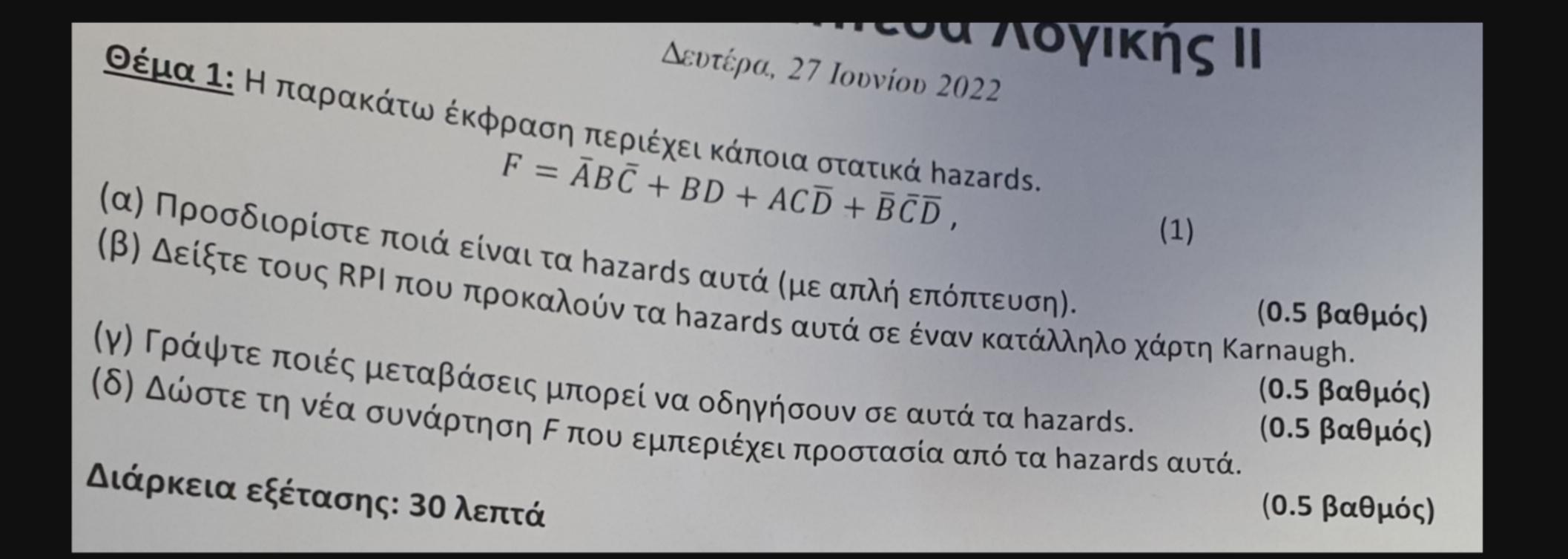
· S1= 01

· 52 = 10

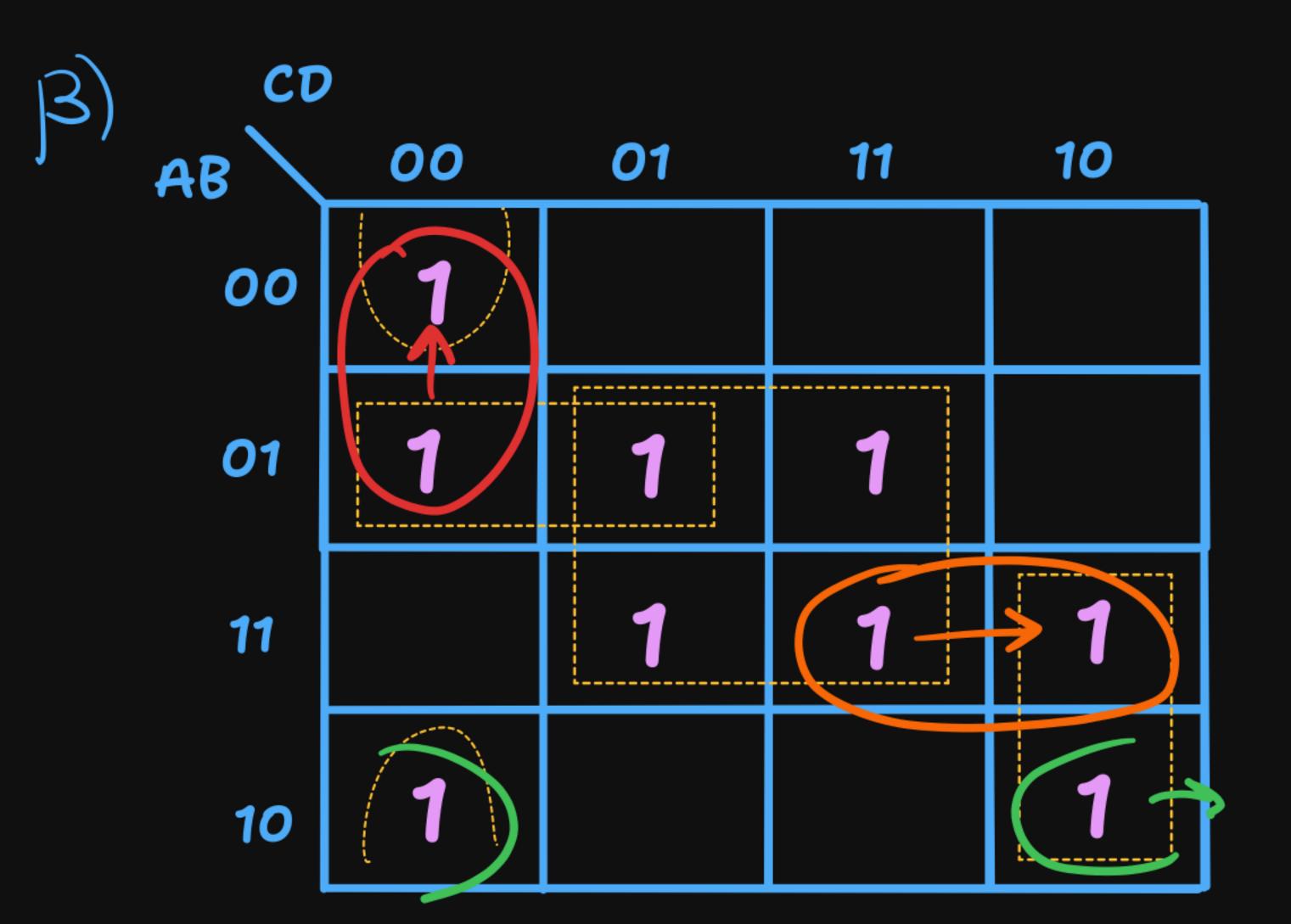
$$D_{\perp}' = \overline{D}_{\perp} D_{o} C + D_{\perp} \overline{D}_{o} A + D_{\perp} D_{o} \overline{OPEN}$$

$$D_{o}' = \overline{D}_{\perp} \overline{D}_{o} C + D_{\parallel} \overline{D}_{o} A + D_{\parallel} D_{o} \overline{OPEN}$$



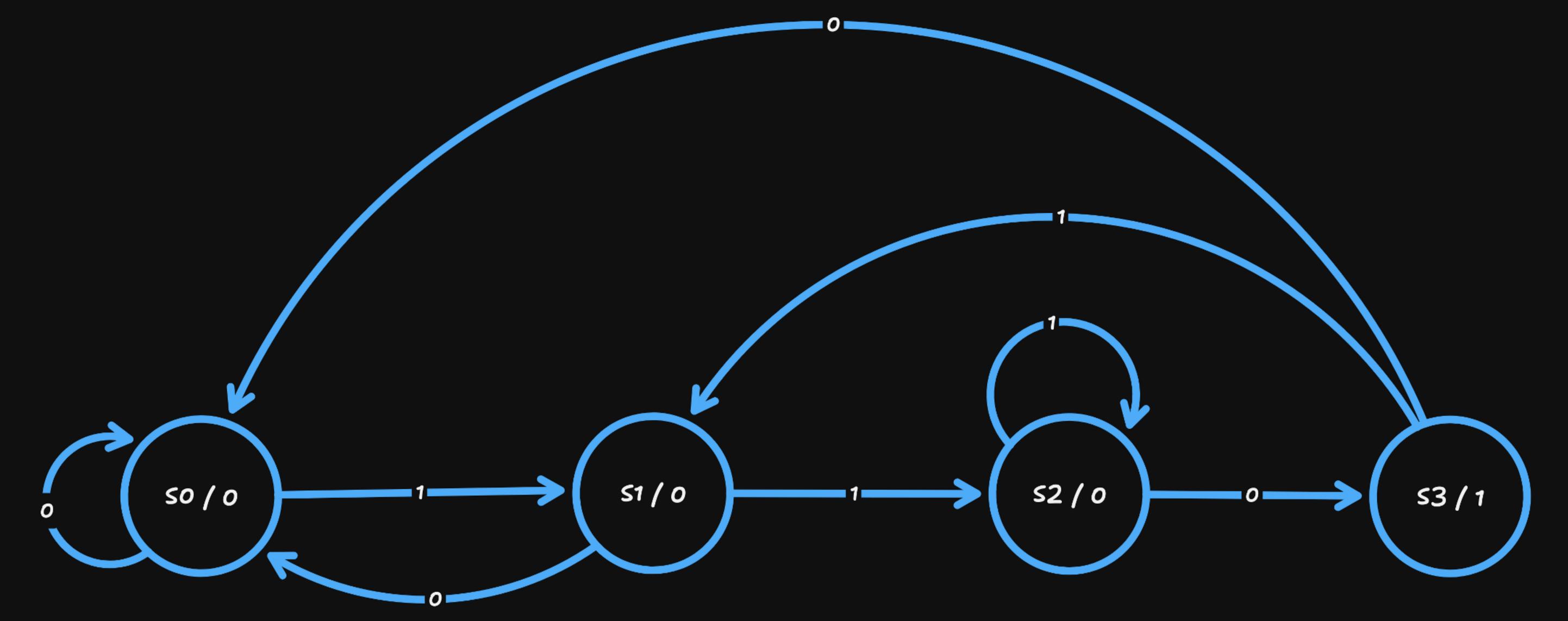


a) Juleurpières prezablinzés éivai oi B, C, D



$$0700 \to 0000 (B)$$
 $1010 \to 1000 (C)$
 λ
 $1111 \to 1110 (D)$

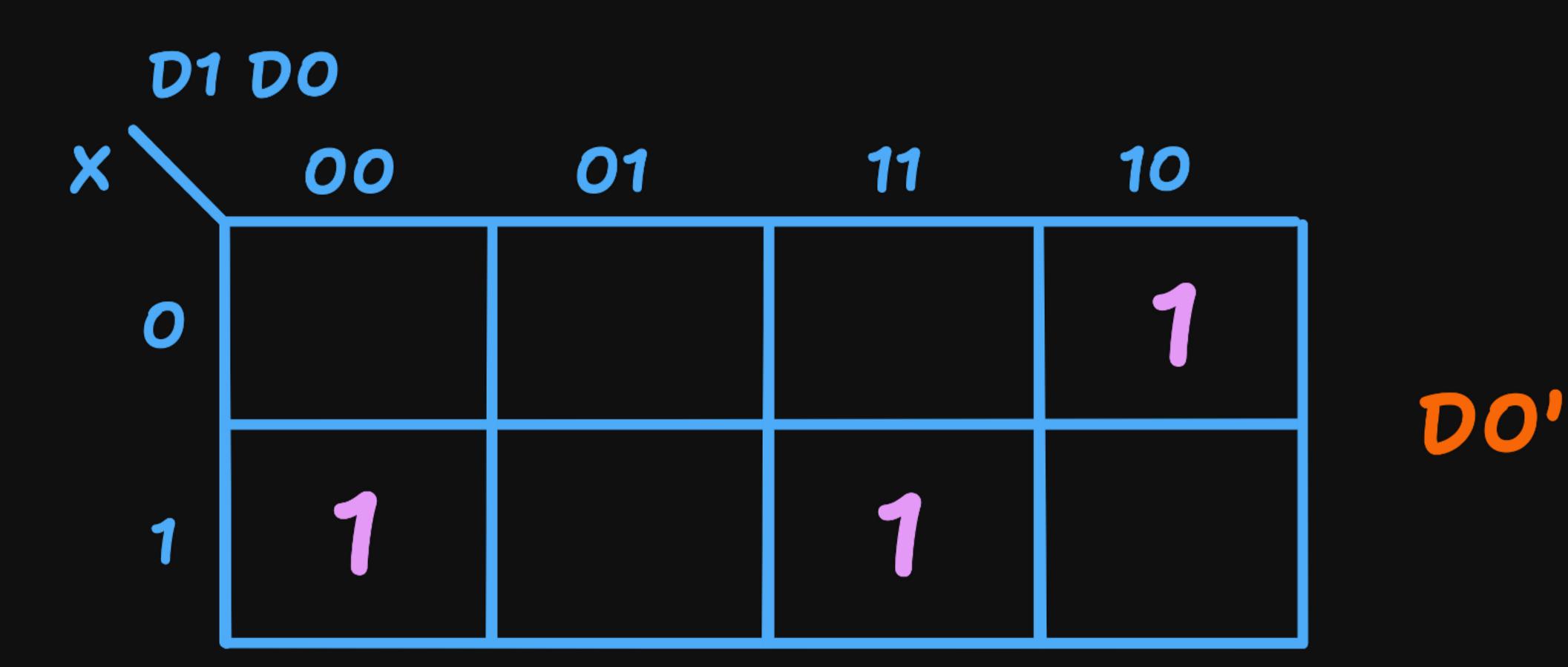
$$F = A'BC' + BD + ACD' + B'C'D' + ABC + A'C'D' + AB'D'$$



CURRENT STATE		INPUT	NEXT STATE	
D1	DO	X	D1'	DO'
0	0	0	0	0
0	0	1	0	1
0	1	0	0	0
0	1	1	1	0
1	0	0	1	1
	0			
1	1	0	0	0
1	1	1	0	1

D1 D0							
X	00	01	11	10			
0							
1				1			

$$D1' = D1.D0 + X.D1.D0$$



 $DO' = X \cdot D1 \cdot DO + X \cdot D1 \cdot DO + X \cdot D1 \cdot DO$

CURREN	OUTPUT	
D1	DO	Y
0	0	0
0	1	0
1	0	0
1	1	1

