

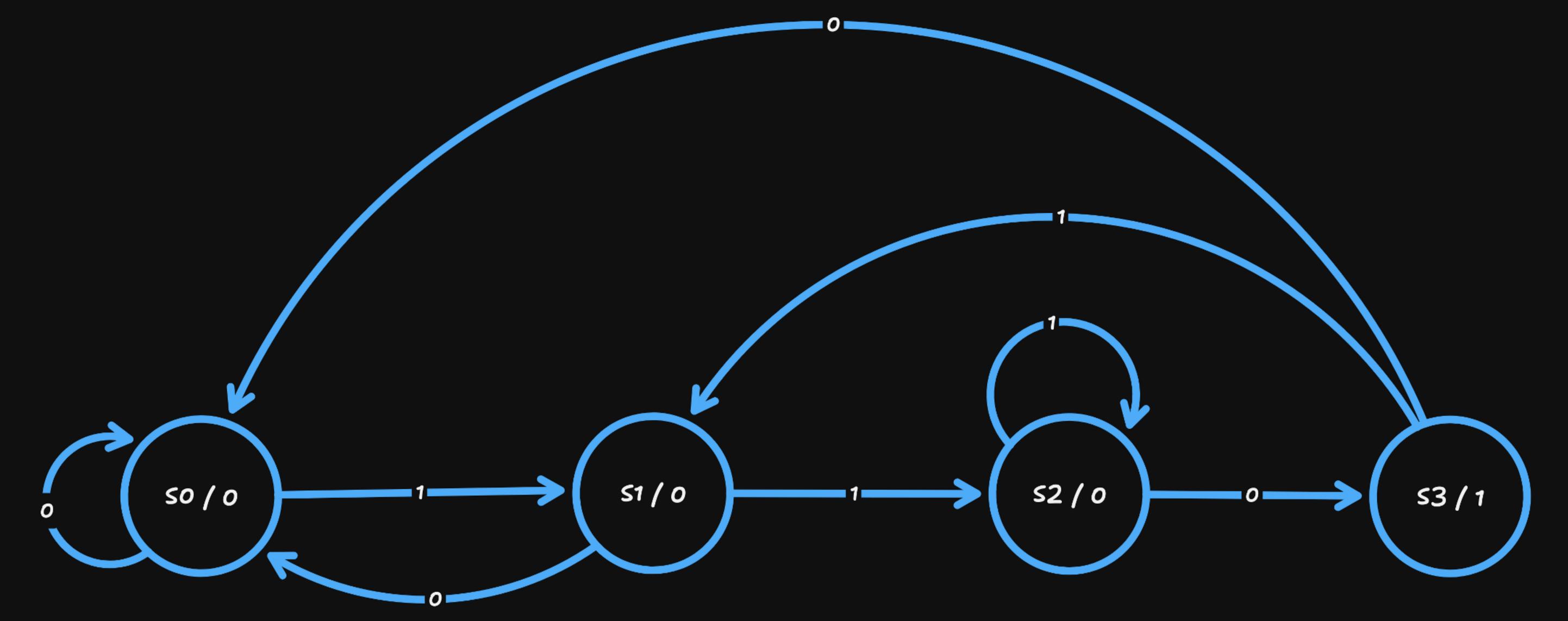
Eszw: .5 = 00

· S1= 01

· 52 = 10

$$D_{\perp}' = \overline{D_{\perp}} D_{0}C + D_{\perp} \overline{D_{0}} A + D_{\perp} D_{0} \overline{OPEN}$$

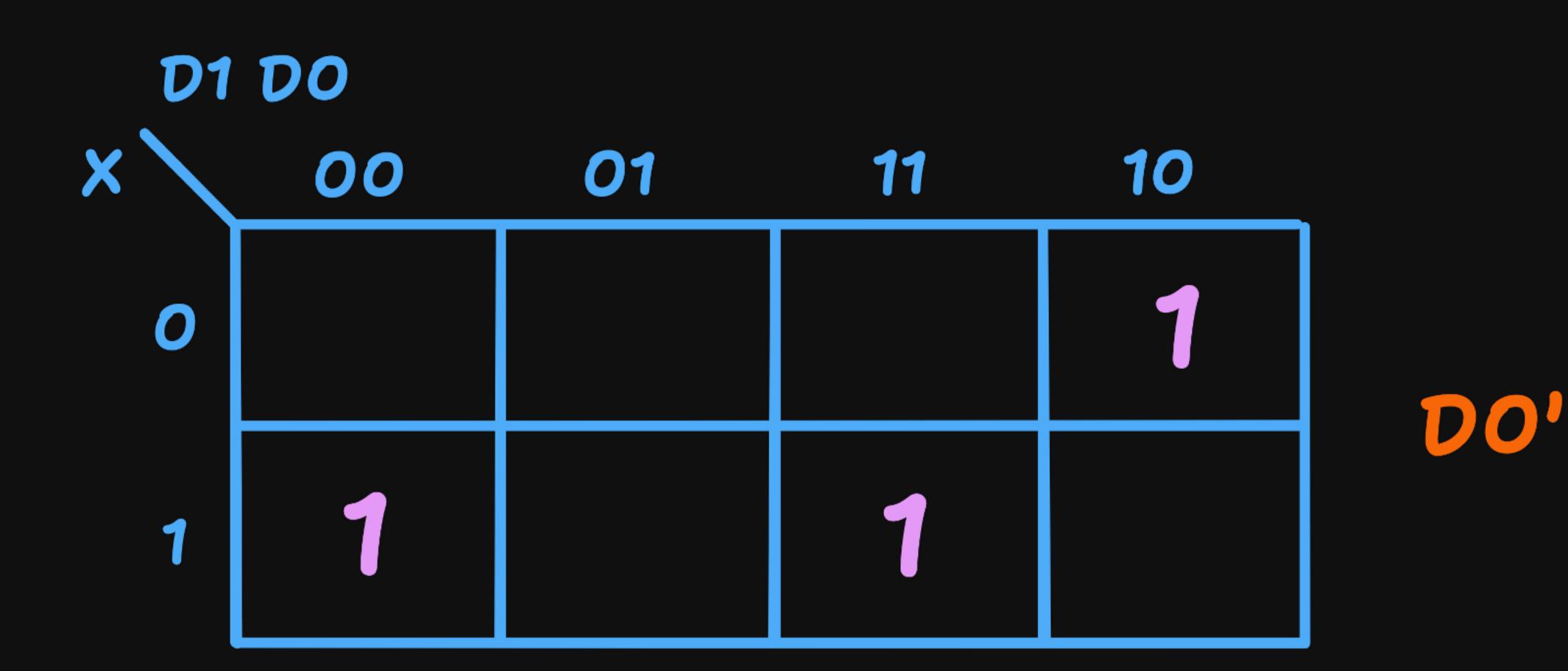
$$D_{0}' = \overline{D_{1}} \overline{D_{0}}C + D_{1} \overline{D_{0}} A + D_{1} D_{0} \overline{OPEN}$$



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		

$$D1' = D1.\overline{D0} + X.\overline{D1}.D0$$



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

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

