

NR **1-3-5-7-1; 2-1; 4-3; 6- 5; 0-1** cu BB D

$$D2=Q2'Q1Q0+Q2Q1Q0'+Q2Q1'Q0$$

Z	Q2	Q1	Q0	D2	D1	D0	Z*
0	0	0	0	0	0	1	1
1	0	0	1	0	1	1	3
2	0	1	0	0	0	1	1
3	0	1	1	1	0	1	5
4	1	0	0	0	1	1	3
5	1	0	1	1	1	1	7
6	1	1	0	1	0	1	5
7	1	1	1	0	0	1	1

$$D1=Q1'Q0+Q2Q1'$$

$$D0=1$$

NR 1-3-5-7-1; 2-1; 4-3; 6- 5; 0-1 cu BB JK

Z	Q2	Q1	Q0	Q2*	Q1*	Q0*	J2	K2	J1	K1	J0	K0
0	0	0	0	0	0	1	0	X	0	X	1	X
1	0	0	1	0	1	1	0	X	1	X	X	0
2	0	1	0	0	0	1	0	X	X	1	1	X
3	0	1	1	1	0	1	1	X	X	1	X	0
4	1	0	0	0	1	1	X	1	1	X	1	X
5	1	0	1	1	1	1	X	0	1	X	X	0
6	1	1	0	1	0	1	X	0	X	1	1	X
7	1	1	1	0	0	1	X	1	X	1	X	0

J2=Q1Q0;

K2=Q1 xnor Q0;

J1=Q2+Q0

K1=1

J0=1

K0=0

Q	Q _{next}	J	K
0	0	0	X
0	1	1	X
1	0	X	1
1	1	X	0