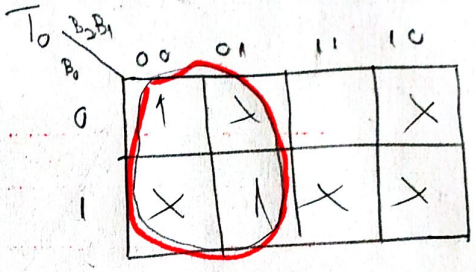
ZD. REALIZIRATI SINKRONO BROJILO POMOĆU T BISTABILA KOJE BROJI BINARNO $0 \to 3 \to 6 \to 0$

MAX BROJ JE 6 → 3 BISTABILA

Q_m	Q_{m+1}	T
0	0	0
0	1	1
1	0	1
1	1	0

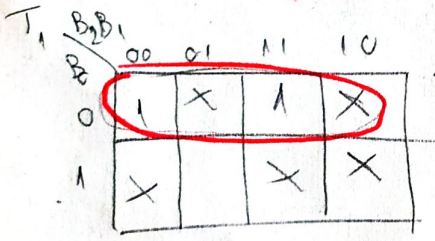
000	0
001	1
010	2
011	3
100	4
101	5
110	6
111	7

TRENUTNO			SLJEDEĆE			PODRAŽAJ		
B_2	B_1	B_0	B_2	B_1	B_0	T_2	T_1	T_0
0	0	0	0	1	1	0	1	1
0	0	1	X	X	X	X	X	X
0	1	0	X	X	X	X	X	X
0	1	1	1	1	0	1	0	1
1	0	0	X	X	X	X	X	X
1	0	1	X	X	X	X	X	X
1	1	0	0	0	0	1	1	0
1	1	1	X	X	X	X	X	X



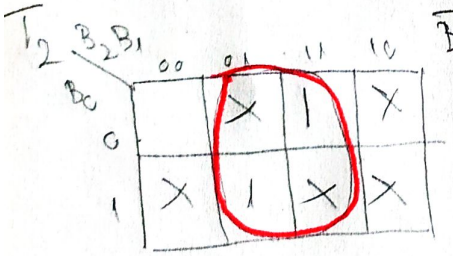
$\bar{B}_2\bar{B}_1\bar{B}_0 + \bar{B}_2B_1\bar{B}_0 + \bar{B}_2B_1B_0 + \bar{B}_2B_1B_0 =$

$= \bar{B}_2\bar{B}_0 + \bar{B}_2B_0 = \bar{B}_2$ $\quad \boxed{T_0 = \bar{B}_2}$



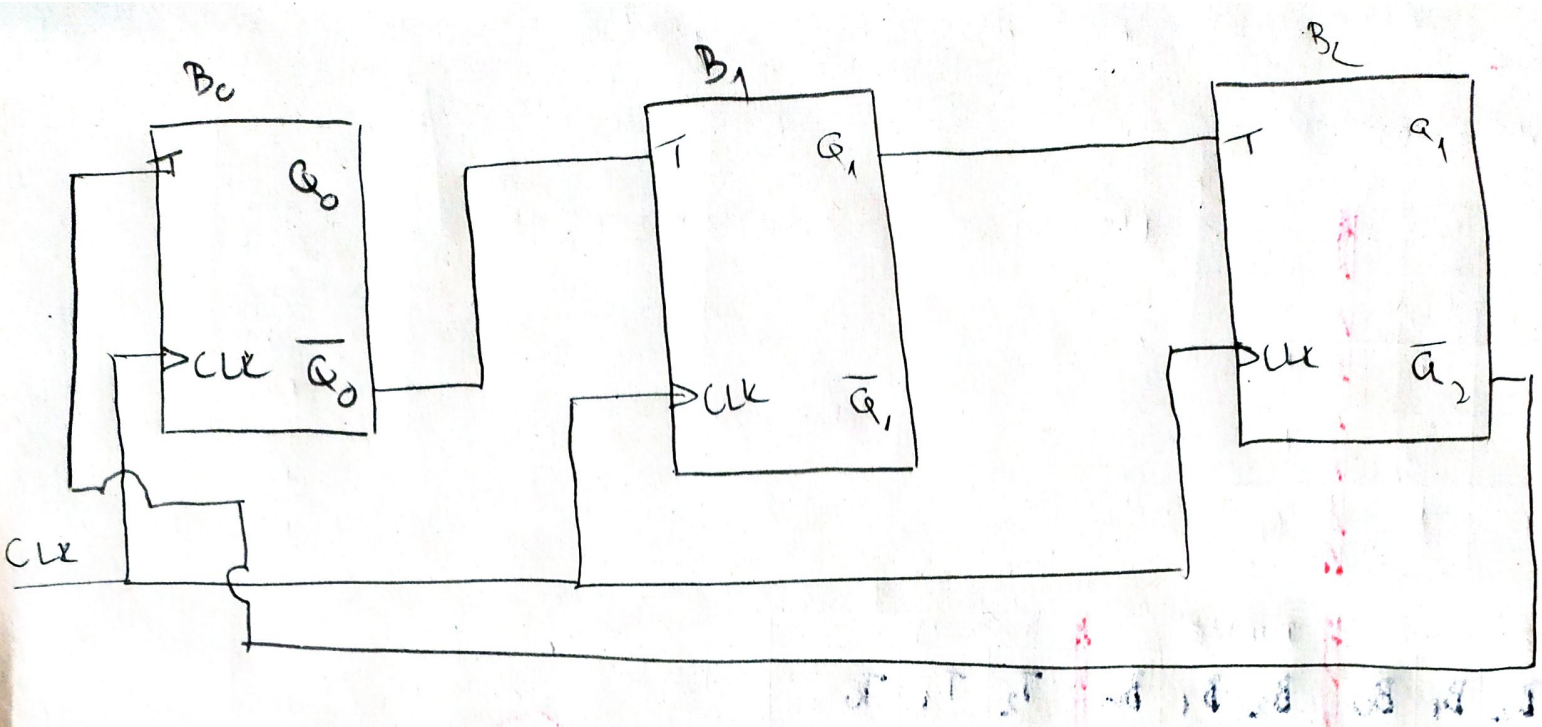
$\bar{B}_2\bar{B}_1\bar{B}_0 + \bar{B}_2B_1\bar{B}_0 + B_2B_1\bar{B}_0 + B_2\bar{B}_1\bar{B}_0 = \bar{B}_2\bar{B}_0 + B_2\bar{B}_0 = \bar{B}_0$

$\boxed{T_1 = \bar{B}_0}$



$\bar{B}_2B_1\bar{B}_0 + B_2B_1\bar{B}_0 + \bar{B}_2B_1B_0 + B_2B_1B_0 = B_1\bar{B}_0 + B_1B_0 = B_1$

$\boxed{T_2 = B_1}$


B0
T
Q0
CLK
Q̄0
B1
T
Q1
CLK
Q̄1
B2
T
Q1
CLK
Q̄2
CLK