

ee 207

lab report - 3

Nome: melisa

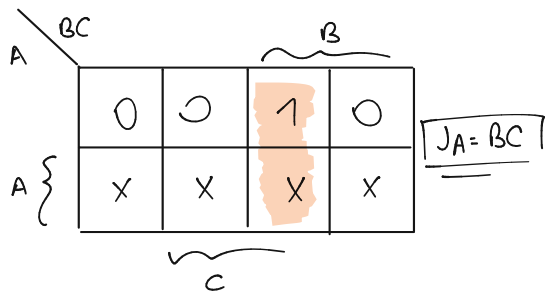
Surname: SUBAŞI

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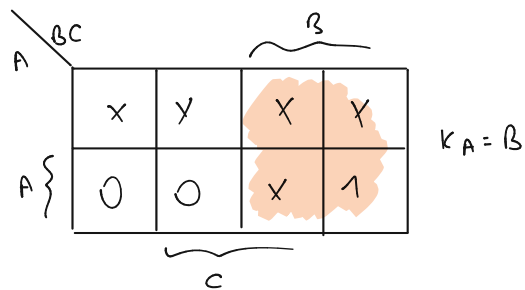
State Table

present state			next state			FF inputs		
A	B	C	A(k+1)	B(k+1)	C(k+1)	J _A K _A	J _B K _B	J _C K _C
0	0	0	0	0	1	0 X	0 X	1 X
0	0	1	0	1	0	0 X	1 X	X 1
0	1	0	0	1	1	0 X	X 0	1 X
0	1	1	1	0	0	1 X	X 1	X 1
1	0	0	1	0	1	X 0	0 X	1 X
1	0	1	1	1	0	X 0	1 X	X 1
1	1	0	0	0	0	X 1	X 1	0 X
1	1	1	X	X	X	X X	X X	X X

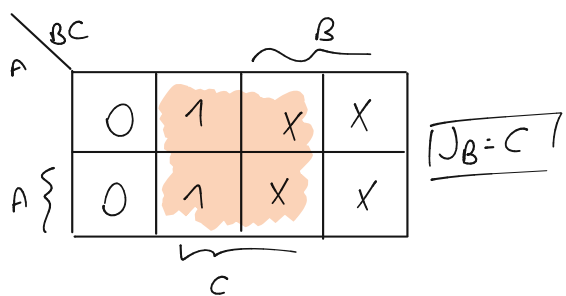
K-map for J_A



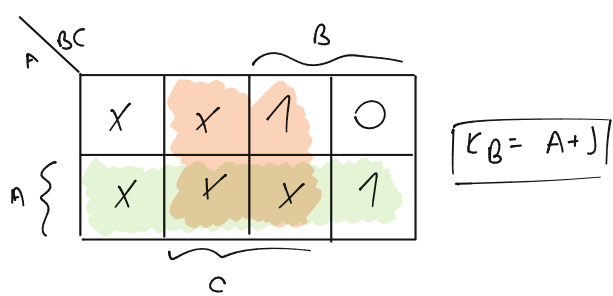
K-map for K_A



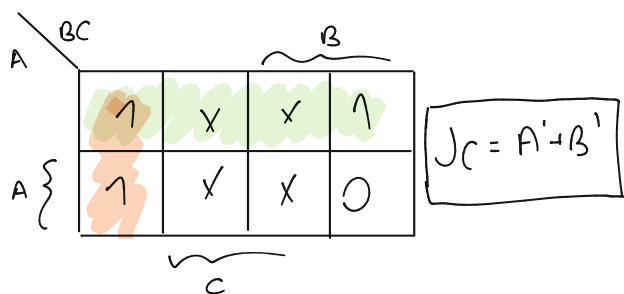
χ -map for JB



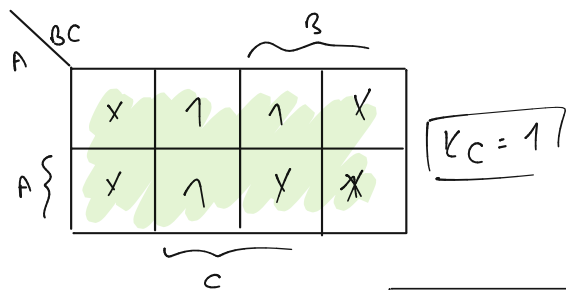
K -map for K_B



K-map for Jc



K -map for $K \in$



present state			next state			ff inputs		
A	B	C	$A(k+1)$	$B(k+1)$	$C(k+1)$	$J_A K_A$	$J_B K_B$	$J_C K_C$
1	1	1	0	0	0	1 1	1 1	0 1
unused state			used state					

$$\begin{aligned} J_A &= B \cdot C & K_A &= B \\ J_B &= C & K_B &= A + C \\ J_C &= A + B & K_C &= 1 \end{aligned}$$

