

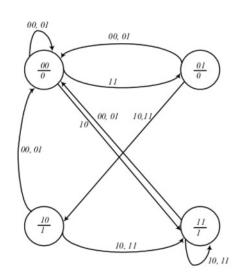
(b)
$$A(t+1) = xy' + xB$$

$$B(t+1) = xA + xB'$$

$$z = A$$

| Salar | Sala





$J_A = x$ $J_B = x$		$A_A = B$ $A_B = A'$	00 01
, ,		A'A = xA' + B'A A'B = xB' + AB	
$ \begin{array}{ccccc} x & A & B & x \\ 0 & 0 & 0 \\ 0 & 0 & 1 \end{array} $	A' + B'A 0 0	xB' + AB	,
$\begin{array}{cccc} 0 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 1 & 1 \end{array}$	1 0	0 1	0,1
1 0 0 1 0 1	1 1	1 0	1 10
$\begin{array}{cccc} 1 & 1 & 0 \\ 1 & 1 & 1 \end{array}$	0	1	

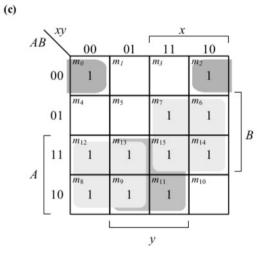
5.10 (a)
$$J_A = Bx + B'y'$$

 $J_B = A'x$

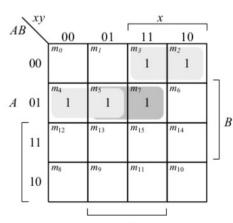
 $K_A = B'xy'$ $K_B = A + xy'$ z = Ax'y' + Bx'y'

(b) > Present Output FFstate Next state Inputs $J_A K_A J_A J_B$ 0 0 0 0

0



$$A(t+1) = Ax' + Bx + Ay + A'B'y'$$



$$B(t+1) = A'B'x + A'Bx' + A'By$$

5.12 (b)	Present	Next state	Output
_	state	0 1	0 1
	а	f b	0 0
	b	d a	0 0
	d	g a	1 0
	f	f b	1 1
	g	g d	0 1