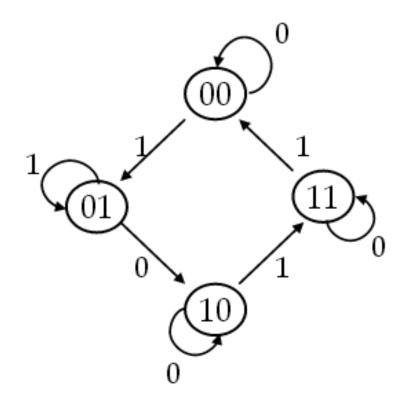
State table

Present state		Ne) Input stat			Flip-flop inputs			ts	Output	
A	В	<u></u>	A⁺	B⁺	JA	KA	JB	KB	<u></u>	
0	0	0	0	0	0	Χ	0	Х	0	•
0	0	1	0	1	0	X	1	Χ	1	
0	1	0	1	0	1	X	Χ	1	0	
0	1	1	0	1	0	X	Χ	0	0	
1	0	0	1	0	X	0	0	Χ	0	
1	0	1	1	1	X	0	1	X	1	
1	1	0	1	1	X	0	Χ	0	0	
_1_	1	1	0	0	X	_1_	Х	1	0	
Bx		B B	r	B_		$\searrow Bx$	_	B`	$\searrow Bx$	B
$A \longrightarrow 0$	0 01 1	A	00 01		=	A 00	01 11	10	A 00	
$A \left\{ \begin{array}{c} 0 \\ 1 \end{array} \right]$	1	$\begin{bmatrix} X & X \\ X & X \end{bmatrix} A \begin{cases} 0 \\ 1 \end{cases}$	XX	<u> </u>	1 A	$1 \left\{ \begin{array}{c} 0 \\ 1 \end{array} \right] X$		1 ( X	$A \left\{ \begin{array}{c} 0 & \mathbf{X} \\ 1 & \end{array} \right.$	1
	JB = x		KB = (A	$\overrightarrow{x}$ $A \oplus x$ )'	<i>)</i> \	JA	$A = B \cdot x'$	)	KA	$A = B \cdot x$

State diagram



Mochamad Aulia Akbar Praditomo 1606827145 PSD-C (AMB) Lab 07

## Simulation

## Circuit design

