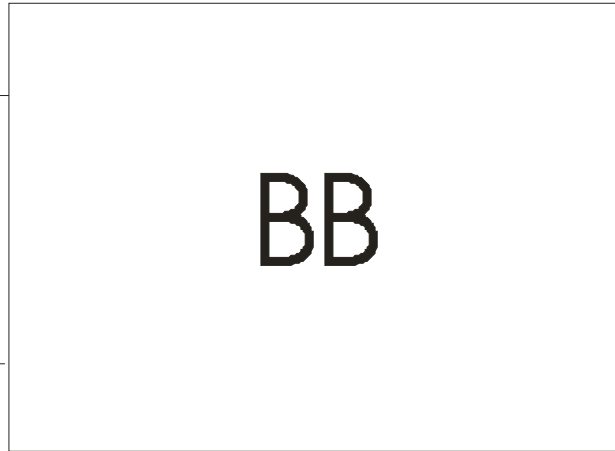




1 1 0 0

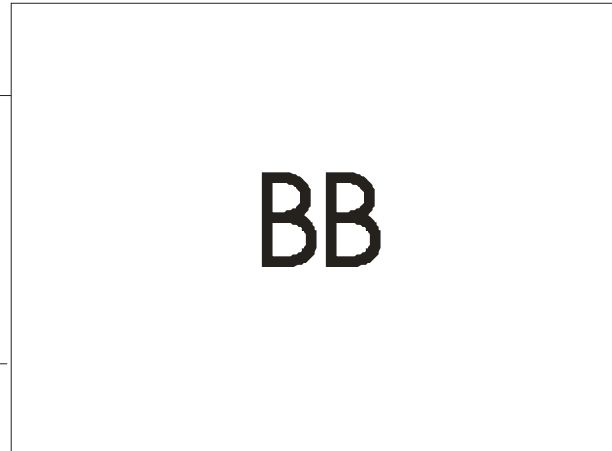
1 0 1 0



1 1 1 0

0 1 1 0 0

0 1 0 1 0



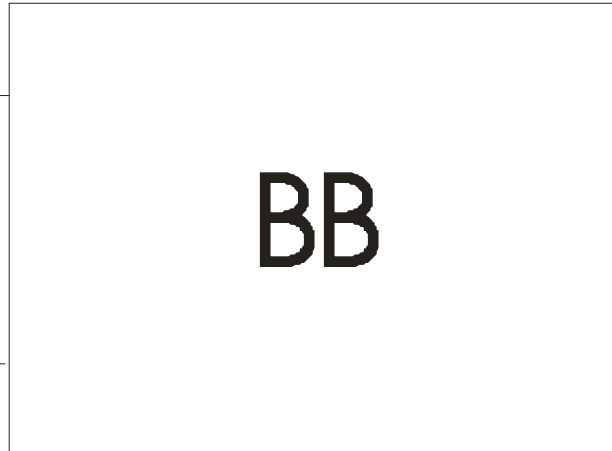
1 1 1 1 0

0 1 1 0 0

\_\_\_\_\_

0 1 0 1 0

\_\_\_\_\_



1 1 1 1 0

\_\_\_\_\_

# Tabela przejść automatu

<b>S</b> \ <b>x<sub>1</sub>x<sub>0</sub></b>	<b>00</b>	<b>01</b>	<b>11</b>	<b>10</b>
<b>S<sub>1</sub></b>	<b>S<sub>2</sub></b>	<b>S<sub>3</sub></b>	<b>S<sub>1</sub></b>	<b>S<sub>2</sub></b>
<b>S<sub>2</sub></b>	<b>S<sub>3</sub></b>	<b>S<sub>1</sub></b>	<b>S<sub>4</sub></b>	<b>S<sub>4</sub></b>
<b>S<sub>3</sub></b>	<b>S<sub>2</sub></b>	<b>S<sub>4</sub></b>	<b>S<sub>1</sub></b>	<b>S<sub>3</sub></b>
<b>S<sub>4</sub></b>	<b>S<sub>1</sub></b>	<b>S<sub>4</sub></b>	<b>S<sub>2</sub></b>	<b>S<sub>4</sub></b>

# Tabela wyjść automatu Mealy

$S \backslash x_1x_0$	00	01	11	10
$S_1$	0	1	1	0
$S_2$	1	1	1	1
$S_3$	0	0	0	0
$S_4$	0	1	1	0



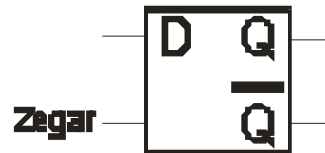
# Tabela wyjść automatu Moore'a

$S$	$y$
$s_1$	0
$s_2$	1
$s_3$	0
$s_4$	0

# Klasyfikacja automatów

- Automaty synchroniczne
- Automaty asynchroniczne

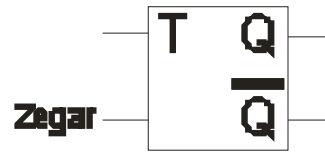
# Przerzutnik typu D



		D	
Q		0	1
0		0	1
1		0	1

$Q^t$	$Q^t$	D
0	→ 0	0
0	→ 1	1
1	→ 0	0
1	→ 1	1

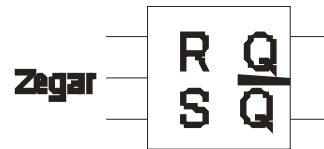
# Przerzutnik typu T



		T	
	Q	0	1
0	0	0	1
1	1	1	0

$Q^t$	$Q^t$	T
0	→ 0	0
0	→ 1	1
1	→ 0	1
1	→ 1	0

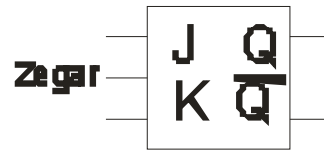
# Przerzutnik typu RS



RS		Q			
		00	01	11	10
0	0	1	-	0	
1	1	1	-	0	

$Q^t$	$Q^t$	RS	
0	→ 0	-	0
0	→ 1	0	1
1	→ 0	1	0
1	→ 1	0	-

# Przerzutnik typu JK



		JK			
		00	01	11	10
Q	0	0	0	1	1
	1	1	0	0	1

$Q^t$	$Q^t$	JK
0	→ 0	0 -
0	→ 1	1 -
1	→ 0	- 1
1	→ 1	- 0

# Ogólny schemat automatu synchronicznego

