

04. 19.10.2022
 2022

1. Изучение др. на все случаи, их с-м, триггер
 309 1. Метод не допел. таблица

δ	a_1	a_2	a_3
z_1	a_3	a_2	a_1
z_2	a_1	a_3	a_2
z_3	a_2	a_1	a_3
\bar{A}	w_3	w_2	w_1

1-1-

вс. с-м $x \geq \log_2 Z = \log_2 3 \approx 2 \Rightarrow x_1 \text{ и } x_2$
 их с-м $y \geq \log_2 W = \log_2 3 \approx 2 \Rightarrow y_1 \text{ и } y_2$
 триггер $Q \geq \log_2 Q = \log_2 3 \approx 2 \Rightarrow Q_1 \text{ и } Q_2$

2 Кодирани таблици

	x_1	x_2		y_1	y_2
z_1	0	0	w_1	0	0
z_2	0	1	w_2	0	1
z_3	1	0	w_3	1	0

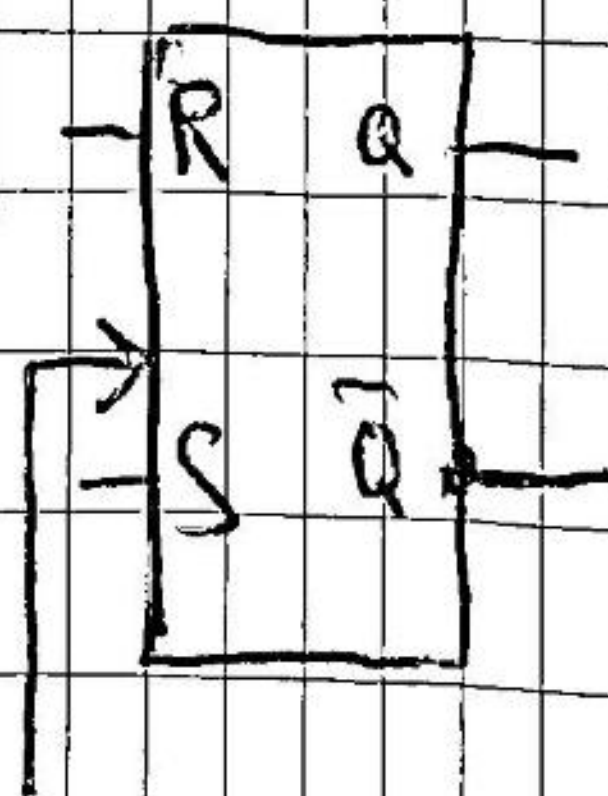
	Q_1	Q_2
a_1	0	0
a_2	0	1
a_3	1	0

Избираме как да не е изражаваната таблица

3 Допълнителна таблица

t	i	j	z^i	x_1	x_2	w^t	y_1	y_2	$t+1$	Q_1	Q_2	R_1	S_1	R_2	S_2
a_1	0	0	z_1	0	0	w_3	1	0	a_3	1	0	0	1	*	0
			z_2	0	1				a_1	0	0	*	0	*	0
			z_3	1	0				a_2	0	1	*	0	0	1
a_2	0	1	z_1	0	0	w_2	0	1	a_2	0	1	*	0	1	*
			z_2	0	1				a_3	1	0	0	1	1	0
			z_3	1	0				a_1	0	0	*	0	*	0
a_3	1	0	z_1	0	0	w_1	0	0	a_1	0	0	1	0	*	0
			z_2	0	1				a_2	0	1	1	0	0	1
			z_3	1	0				a_3	1	0	0	*	*	0

t	$t+1$	R	S
0	0	*	0
0	1	0	1
1	0	1	0
1	1	0	*



y_1
 y_2

x_1, x_2, Q, Q_2

R_1
 S_1
 R_2
 S_2

$W(t) \rightarrow W(t) = \lambda(a(t))$

\downarrow
 y_1, y_2

Q_1 и Q_2

4. Minimization

y_1 :

	Q_2	
Q_1	0	1
0	0	0
1	0	*

Minimization

$$y_1 = Q_1 \bar{Q}_2$$

R_1 :

	$Q_1 Q_2$	$x_1 x_2$	
	00	01	11 10
00	0	*	* *
01	*	0	* *
10	*	*	* *
11	1	1	* 0

$$R_1 = Q_2 x_1$$

y_2 :

	Q_2	
Q_1	0	1
0	0	1
1	0	*

$$y_2 = Q_2$$

S_1 :

	$Q_1 Q_2$	$x_1 x_2$	
	00	01	11 10
00	1	0	* 0
01	0	1	* 0
11	*	*	* *
10	0	0	* *

$$S_1 = \bar{Q}_1 \bar{Q}_2 \bar{x}_1 x_2 + Q_2 x_2$$

R_2 :

	$Q_1 Q_2$	$x_1 x_2$	
	00	01	11 10
00	*	*	* 0
01	0	1	* 1
11	*	*	* *
10	*	0	* *

$$R_2 = Q_2 x_2 + Q_2 x_1$$

S_2 :

	$Q_1 Q_2$	$x_1 x_2$	
	00	01	11 10
00	0	0	* 0
01	*	0	* 0
11	*	*	* *
10	0	1	* 0

$$S_2 = Q_1 x_2 + \bar{Q}_1 \bar{Q}_2 x_1$$

