

Dana tabela przejść automatu

$S \setminus x_1x_0$	00	01	11	10
S_1	S_2	S_3	S_1	S_2
S_2	S_3	S_1	S_4	S_4
S_3	S_2	S_4	S_1	S_3
S_4	S_1	S_4	S_2	S_4

$$S_1 = 01$$

$S \setminus x_1x_0$	00	01	11	10
01	S_2	S_3	01	S_2
S_2	S_3	01	S_4	S_4
S_3	S_2	S_4	01	S_3
S_4	01	S_4	S_2	S_4

$$S_2 = 11$$

$S \setminus x_1x_0$	00	01	11	10
01	11	S_3	01	11
11	S_3	01	S_4	S_4
S_3	11	S_4	01	S_3
S_4	01	S_4	11	S_4

$$S_3 = 00$$

$S \setminus x_1x_0$	00	01	11	10
01	11	00	01	11
11	00	01	S_4	S_4
00	11	S_4	01	00
S_4	01	S_4	11	S_4

$$S_4 = 10$$

$S \setminus x_1x_0$	00	01	11	10
01	11	00	01	11
11	00	01	10	10
00	11	10	01	00
10	01	10	11	10

Uporządkowana tabela przejść

$S \setminus x_1x_0$	00	01	11	10
00	11	10	01	00
01	11	00	01	11
11	00	01	10	10
10	01	10	11	10

Mapy Karnaugh'a funkcji wzbudzeń przerzutników typu D

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	11	10	01	00
01	11	00	01	11
11	00	01	10	10
10	01	10	11	10

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	1	0	1	0
01	1	0	1	1
11	0	1	0	0
10	1	0	1	0

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	1	1	0	0
01	1	0	0	1
11	0	0	1	1
10	0	1	1	1

D_0

D_1

Mapy Karnaugh'a funkcji wzbudzeń przerzutników typu T

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	11	10	01	00
01	11	00	01	11
11	00	01	10	10
10	01	10	11	10

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	1	0	1	0
01	0	1	0	0
11	1	0	1	1
10	1	0	1	0

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	1	1	0	0
01	1	0	0	1
11	1	1	0	0
10	1	0	0	0

T_0

T_1

Wzbudzenia przerzutnika Q_0

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	11	10	01	00
01	11	00	01	11
11	00	01	10	10
10	01	10	11	10

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10	J_0
00	1	0	1	0	
01	-	-	-	-	
11	-	-	-	-	
10	1	0	1	0	

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10	K_0
00	-	-	-	-	
01	0	1	0	0	
11	1	0	1	1	
10	-	-	-	-	

Wzbudzenia przerzutnika Q_1

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	11	10	01	00
01	11	00	01	11
11	00	01	10	10
10	01	10	11	10

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10	J_1
00	1	1	0	0	
01	1	0	0	1	
11	-	-	-	-	
10	-	-	-	-	

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10	K_1
00	-	-	-	-	
01	-	-	-	-	
11	1	1	0	0	
10	1	0	0	0	

Wzbudzenia przerzutnika Q_0

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	11	10	01	00
01	11	00	01	11
11	00	01	10	10
10	01	10	11	10

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10	R_0
00	0	-	0	-	
01	0	1	0	0	
11	1	0	1	1	
10	0	-	0	-	

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10	S_0
00	1	0	1	0	
01	-	0	-	-	
11	0	-	0	0	
10	1	0	1	0	

Wzbudzenia przerzutnika Q_1

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10
00	11	10	01	00
01	11	00	01	11
11	00	01	10	10
10	01	10	11	10

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10	R_1
00	0	0	-	-	
01	0	-	-	0	
11	1	1	0	0	
10	1	0	0	0	

$Q_1 Q_0 \setminus x_1 x_0$	00	01	11	10	S_1
00	1	1	0	0	
01	1	0	0	1	
11	0	0	-	-	
10	0	-	-	-	

Ogólna struktura automatów synchronicznych

