

$$S_1^+ = (S_4 S_3 S_2) \oplus S_1$$

$$S_2^+ = (S_4 S_3) \oplus S_2$$

$$S_3^+ = S_4 \oplus S_3$$

$$S_4^+ = 1 \oplus S_4 = \overline{S_4}$$

S_1	S_2	S_3	S_4	S_1^+	S_2^+	S_3^+	S_4^+
0	0	0	0	0	0	0	1
0	0	0	1	0	0	1	0
0	0	1	0	0	0	1	1
0	0	1	1	0	1	0	0
0	1	0	0	0	1	0	1
0	1	0	1	0	1	1	0
0	1	1	0	0	1	1	1
0	1	1	1	1	0	0	0
1	0	0	0	1	0	0	1
1	0	0	1	1	0	1	0
1	0	1	0	1	0	1	1
1	0	1	1	1	1	0	0
1	1	0	0	1	1	0	1
1	1	0	1	1	1	1	0
1	1	1	0	1	1	1	1
1	1	1	1	0	0	0	0

