

X	state	next	s_1'	s_0'
1	s_0	s_1	0	1
0	s_0	s_3	1	1
1	s_1	s_2	1	0
0	s_1	s_0	0	0
1	s_2	s_3	1	1
0	s_2	s_1	0	1
1	s_3	s_0	0	0
0	s_3	s_2	1	0

x	$s_1's_0'$			
	00	01	11	10
0	1		1	
1		1		1

$$[!x!s_1's_0' + x!s_1's_0' + !x s_1's_0' + x s_1's_0']$$

x	$s_1's_0'$			
	00	01	11	10
0	1			1
1	1			1

$$!s_1's_0' + s_1's_0'$$

$$!s_0'$$