

The truth table is

s_1	s_0	X	n_1	n_0	Y
0	0	0	0	0	0
0	0	1	1	0	0
0	1	0	0	0	0
0	1	1	0	1	0
1	0	0	1	1	1
1	0	1	1	1	1
1	1	0	0	0	1
1	1	1	0	1	1

The equations are

$$n_1 = s_0'X + s_1s_0'$$

$$n_0 = s_0X + s_1s_0'$$

$$Y = s_1$$

The schematics is

