



$$n_1 = s_1's_0p_7s + s_1s_0'p_37s$$

$$n_0 = s_1's_0'req\ p3s + s_1's_0p_7s'$$

$$red = s_1's_0' \quad reset = red$$

$$orange = s_1's_0$$

$$green = s_1s_0'$$

s ₁	s ₀	req	p3s	p7s	p37s	n ₁	n ₀
0	0	0	-	-	-	0	0
0	0	1	0	-	-	0	0
0	0	1	1	-	-	0	1
0	1	-	-	0	-	0	1
0	1	-	-	1	-	1	0
1	0	-	-	-	0	1	0
1	0	-	-	-	1	0	0

s ₁	s ₀	red	orange	green	reset
0	0	1	0	0	1
0	1	0	1	0	0
1	0	0	0	1	0