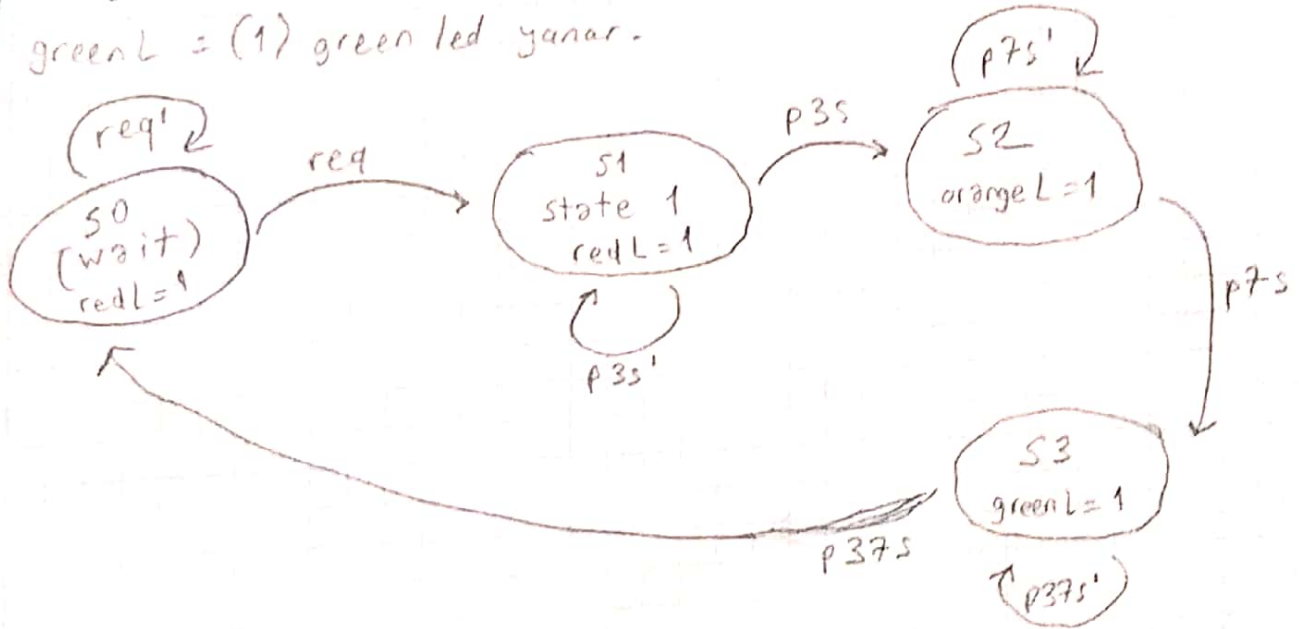Inputlar

- req = (1) geçmek isteyen yaya var. (0) yok.
  p3s = 3 saniye geçti - zamanlayıcı sinyali
  p7s = 7 " " - " "
  p37s = 37 " " - " "

$\begin{cases} \text{O} \\ \text{u} \\ \text{t} \\ \text{p} \\ \text{u} \\ \text{t} \end{cases}$ | resetT = (1) zamanlayıcı 0 olur.
redL = (1) red led yanar.
orangeL = (1) orange led yanar.
greenL = (1) green led yanar.

STATE TABLE

Inputs						Outputs					
S1	S0	req	p3s	p7s	p37s	n1	n0	resetT	redL	orangeL	greenL
0	0	0	x	x	x	0	0	1	1	0	0
0	0	1	x	x	x	0	1	0	1	0	0
0	1	x	0	x	x	0	1	0	1	0	0
0	1	x	1	x	x	1	0	0	0	1	0
1	0	x	x	0	x	1	0	0	0	1	0
1	0	x	x	1	x	1	1	0	0	0	1
1	1	x	x	x	0	1	1	0	0	0	1
1	1	x	x	x	1	0	0	0	1	0	0

$$n_1 = \overline{S_1} \cdot S_0 \cdot p3s + S_1 \cdot \overline{S_0}(\overline{p3s} + p7s) + S_1 \cdot S_0 \cdot p37s'$$

$$n_0 = \overline{S_1} \cdot \overline{S_0} \cdot req + \overline{S_1} \cdot S_0 \cdot \overline{p3s} + S_1 \cdot \overline{S_0} \cdot p7s + S_1 \cdot S_0 \cdot \overline{p37s}$$

$$resetT = \overline{S_1} \cdot \overline{S_0} \cdot \overline{req}$$

$$redL = \overline{S_1} \cdot \overline{S_0} \cdot (\overline{req} + req) + \overline{S_1} \cdot S_0 \cdot \overline{p3s} + S_1 \cdot S_0 \cdot p37s$$

$$orangeL = \overline{S_1} \cdot S_0 \cdot p3s + S_1 \cdot \overline{S_0} \cdot \overline{p7s}$$

$$greenL = S_1 \cdot \overline{S_0} \cdot p7s + S_1 \cdot S_0 \cdot \overline{p37s}$$