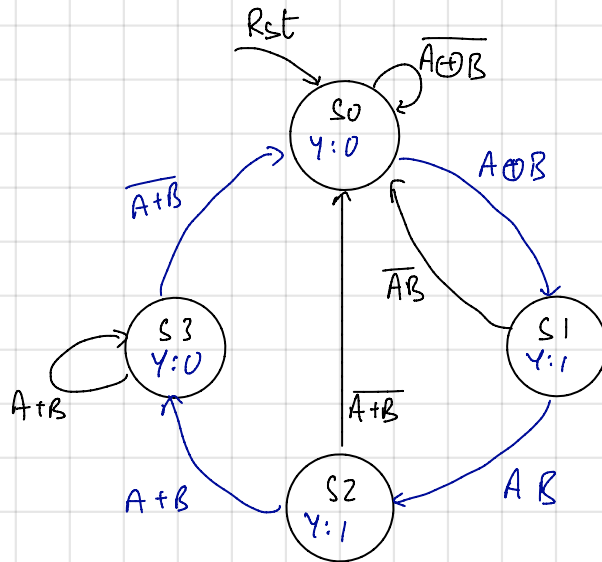


Assignment # 9

4.24



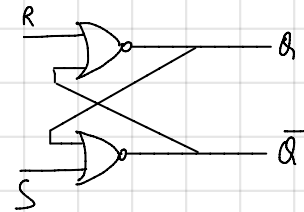
4.24, 26, 29, 32, 37.

SHUBHANG MEHROTRA

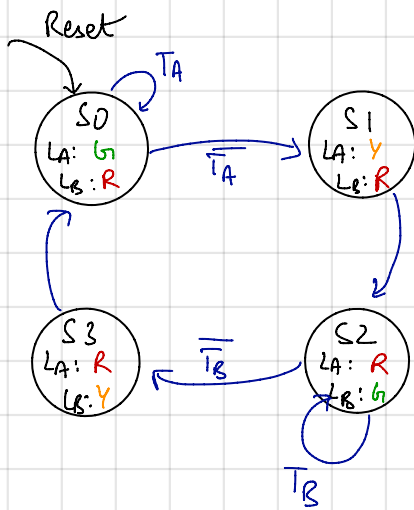
All code in attached files.

4.26

S	R	Q
0	0	Hold
0	1	Reset
1	0	Set



4.29



Output encoding: Green : 00
Yellow : 01
Red : 10

S ₁	S ₀	T _A	T _B	S' ₁	S' ₀
0	0	0	X	0	1
0	0	1	X	0	0
0	1	X	X	1	0
1	0	X	0	1	1
1	0	X	1	1	0
1	1	X	X	0	0

S ₁	S ₀	L _{A1}	L _{A0}	L _{B1}	L _{B0}
0	0	0	0	1	0
0	1	0	1	1	0
1	0	1	0	0	0
1	1	1	0	0	1