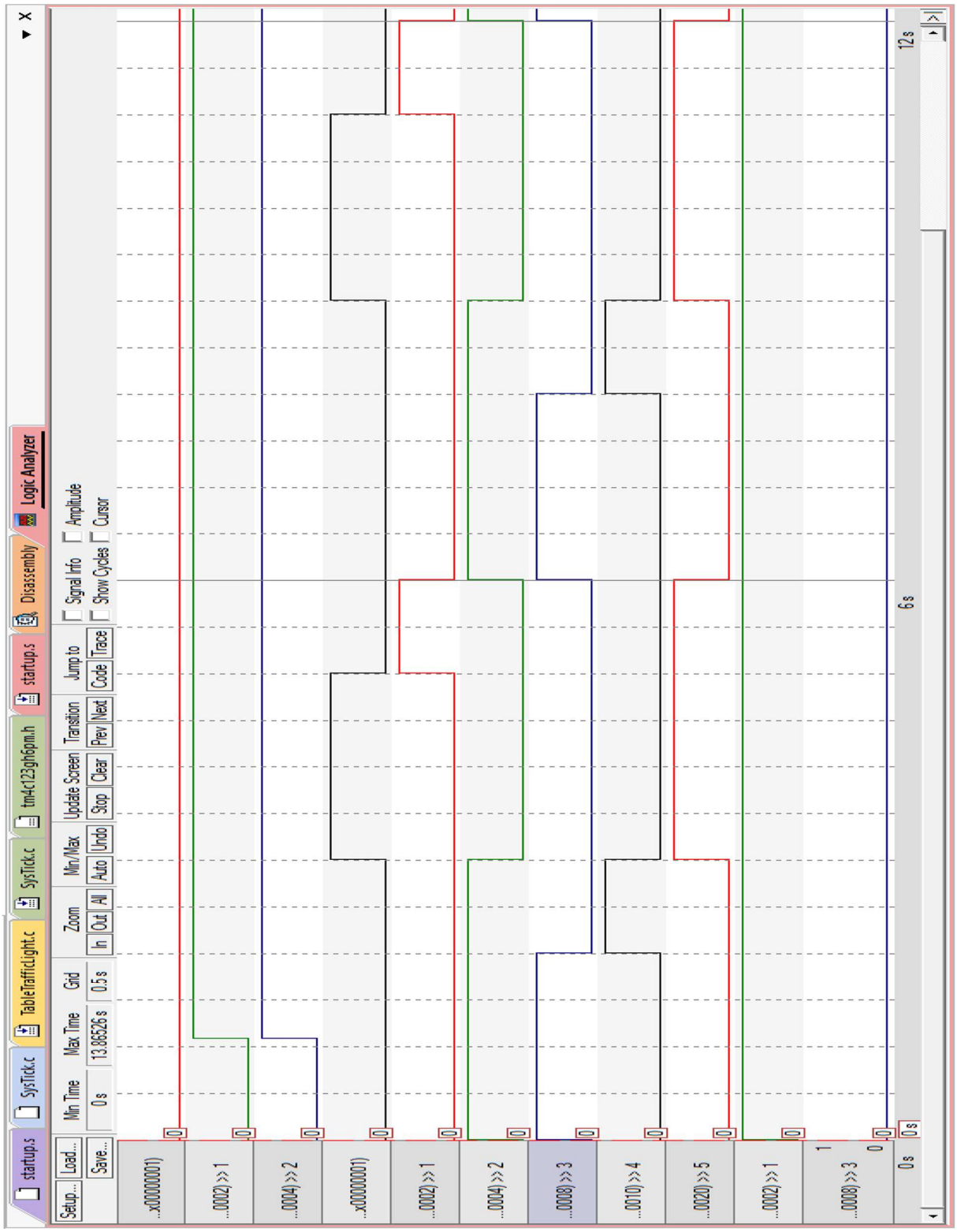
Lab 5 Deliverables

Akaash Chikarmane and Milan Feliciello

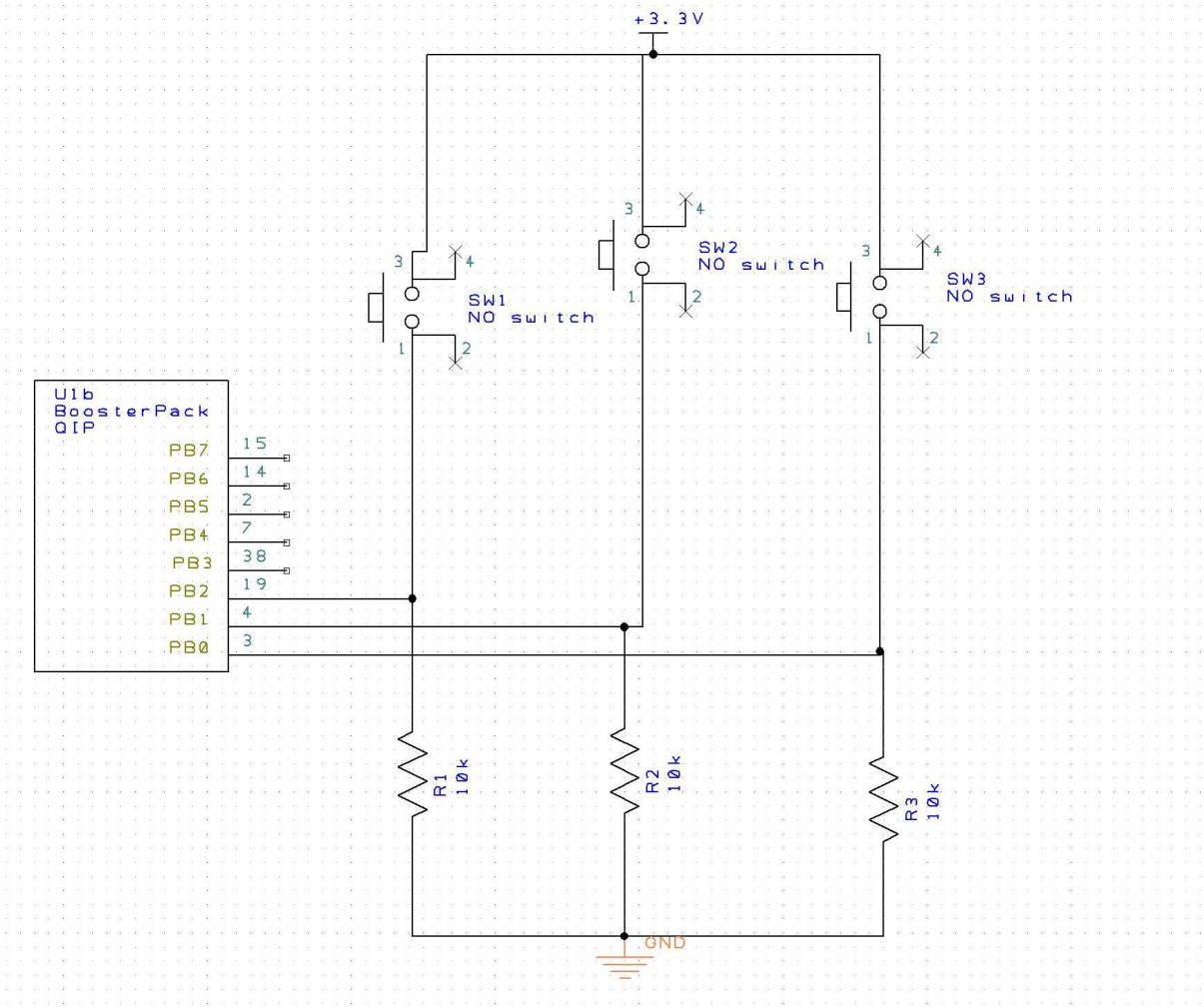
Section: 16085

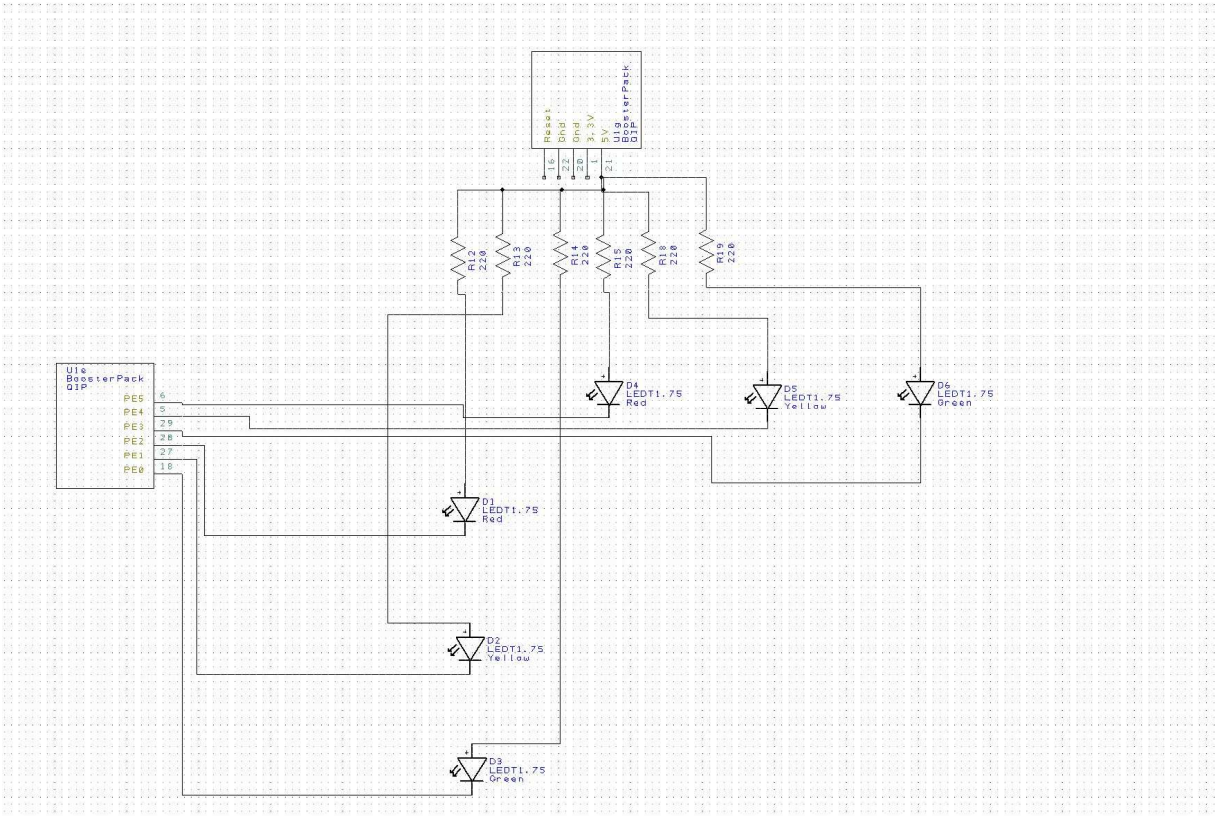
Spring 2016

Logic Analyzer – cars on both roads



Circuit Diagram




U1e
BoosterPack
DIP
PE5
PE4
PE3
PE2
PE1
PE0
6
5
29
28
27
18
Reset
Gnd
Gnd
3.3V
5V
U1e BoosterPack DIP
16
22
20
1
21
R12 220
R13 220
R14 220
R15 220
R18 220
R19 220
D1 LEDT1.75 Red
D2 LEDT1.75 Yellow
D3 LEDT1.75 Green
D4 LEDT1.75 Red
D5 LEDT1.75 Yellow
D6 LEDT1.75 Green

Finite State Machine