Digital parking simulation
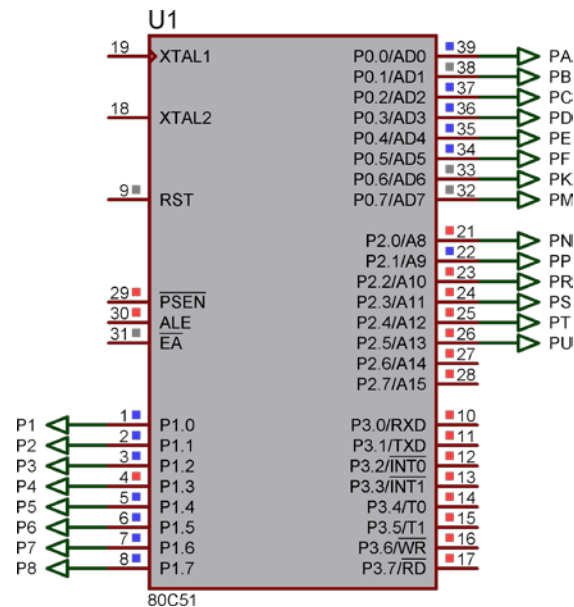
Morteza Mogharrab
Mostafa Arbabi

STOP/GO Traffic Light

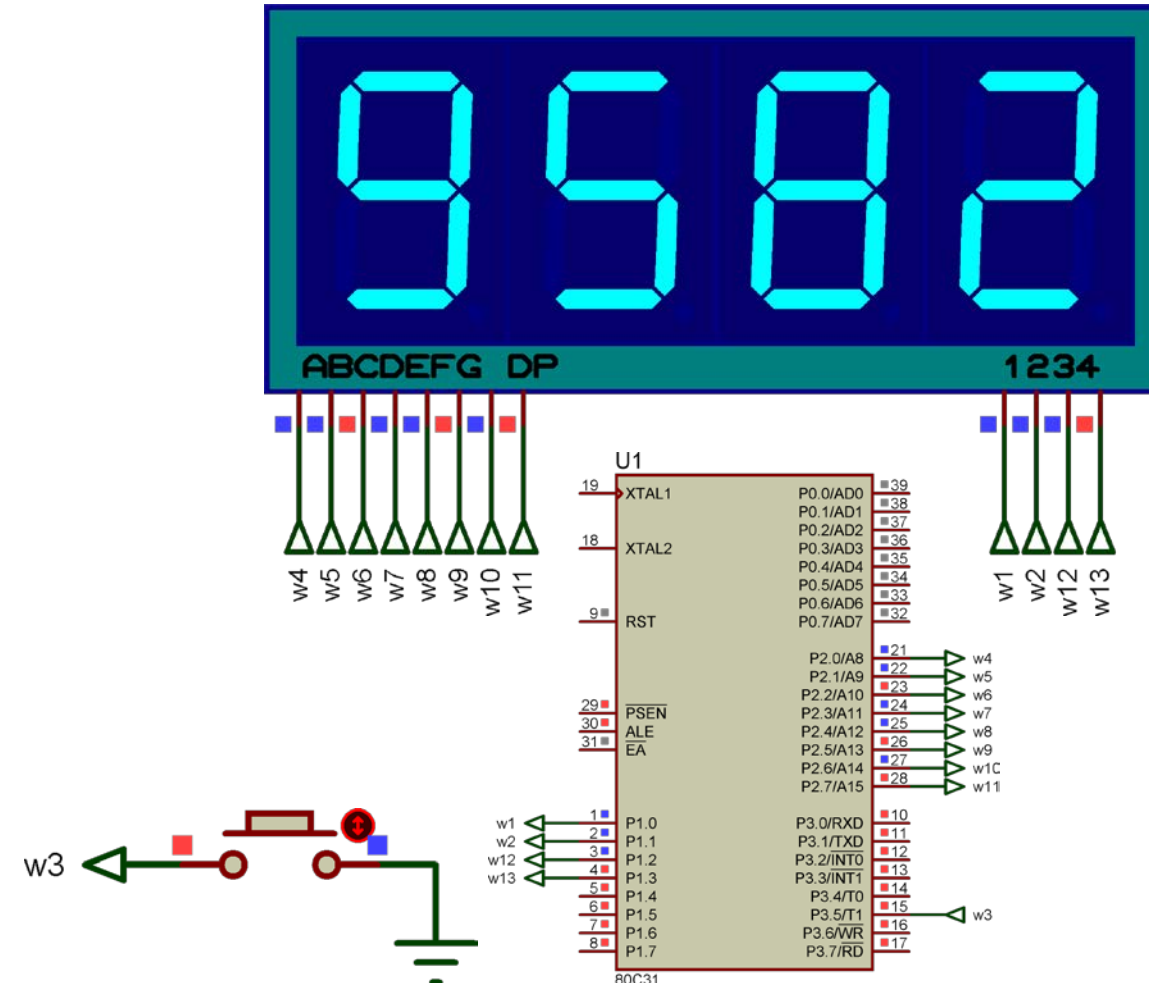# Click Counter as Car Counter

Tools
7 segments display
8051 Microcontroller
C language to set 0-9 numbers
and counting calculator function

Note
Each 2 pushing counts 1 car
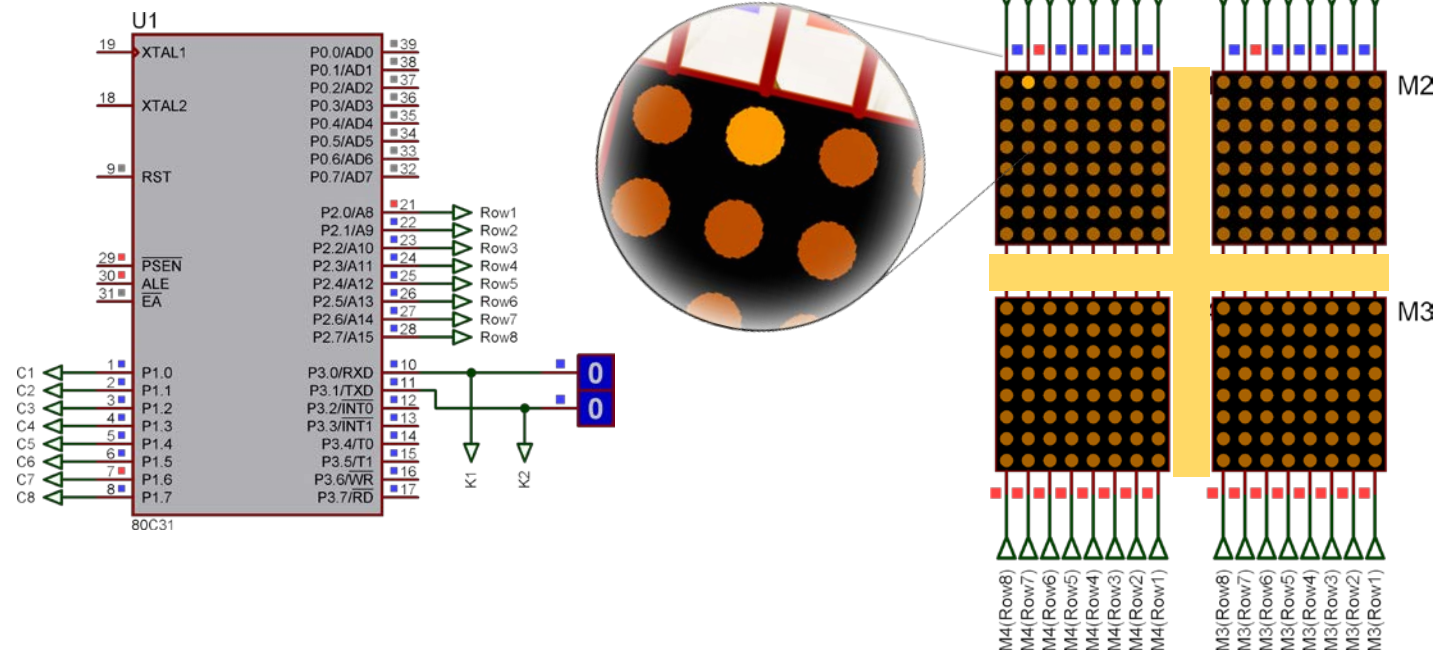
Car Location

Tools

8*8 Matrix LEDs
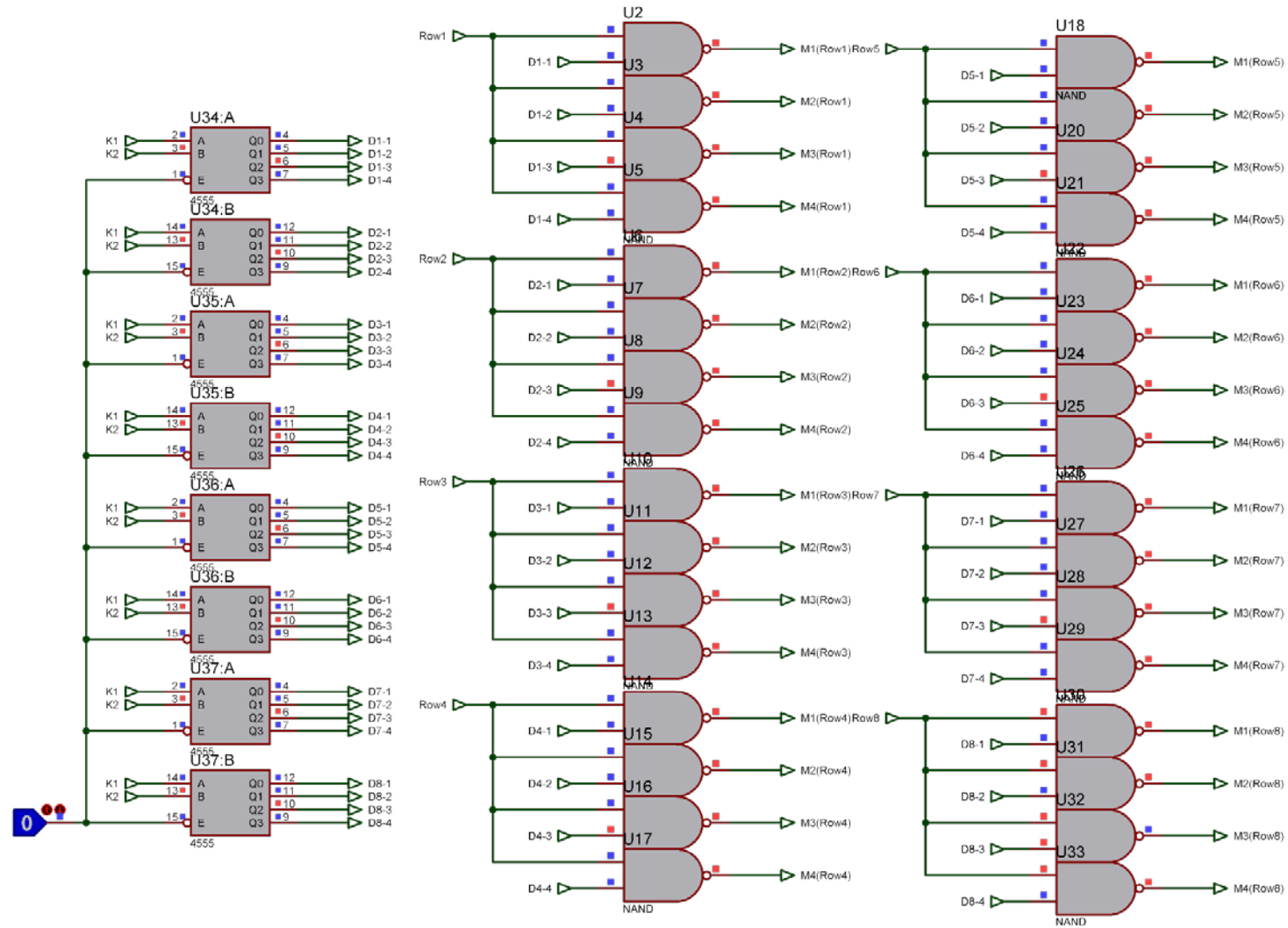Logical gates to calculate rows
8051 Microcontroller
Assembly language to set values
and time delays

Note

We used each Matrix as a floor.

Cars Location Logical Gates

Next Steps

Raspberry Pi

Bolt WiFi

Arduino WiFi

Proteus IoT Builder

References

- www.sparkfun.com

- www.boltiot.com

- www.arduino.cc

- www.raspberrypi.org

- www.labcenter.com

Thank You