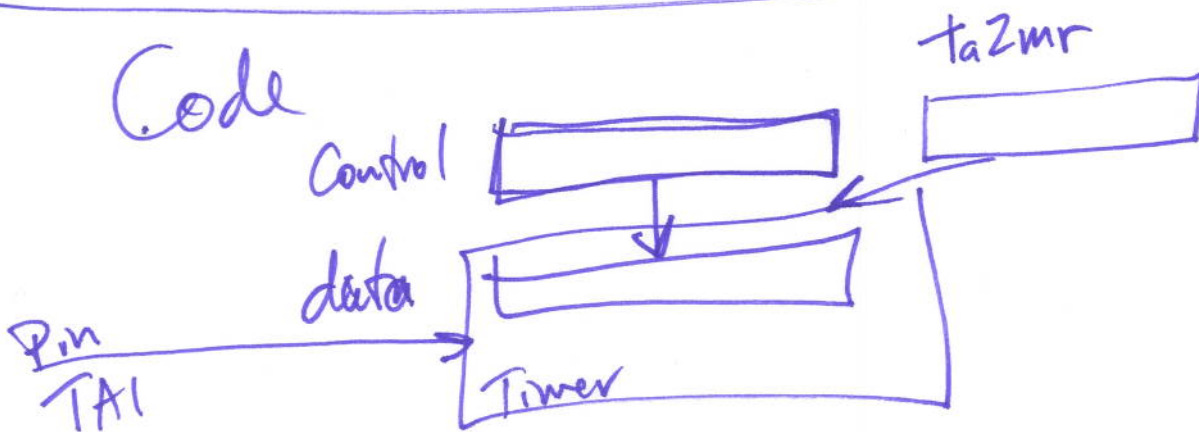
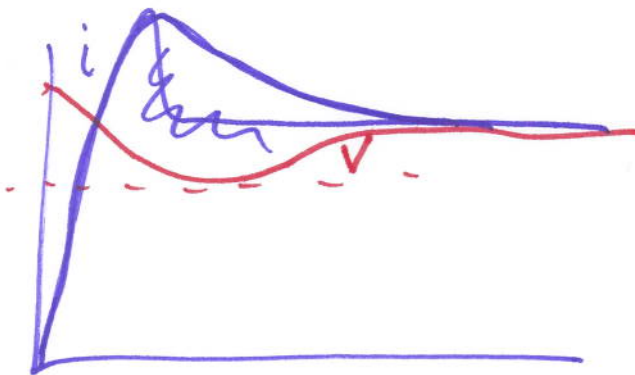
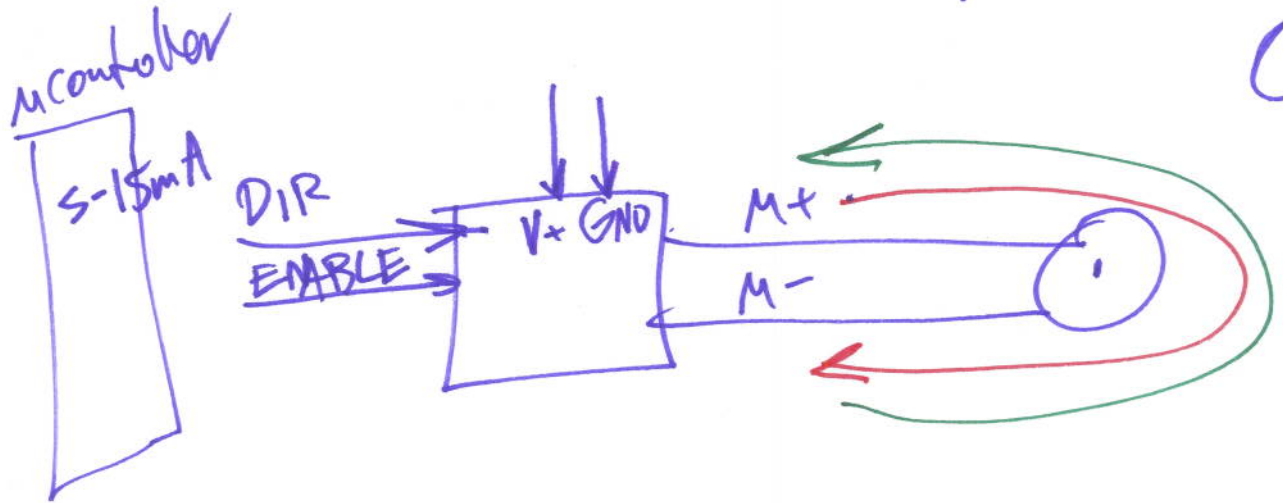


RCGR 4181/5186

8/2/10

①

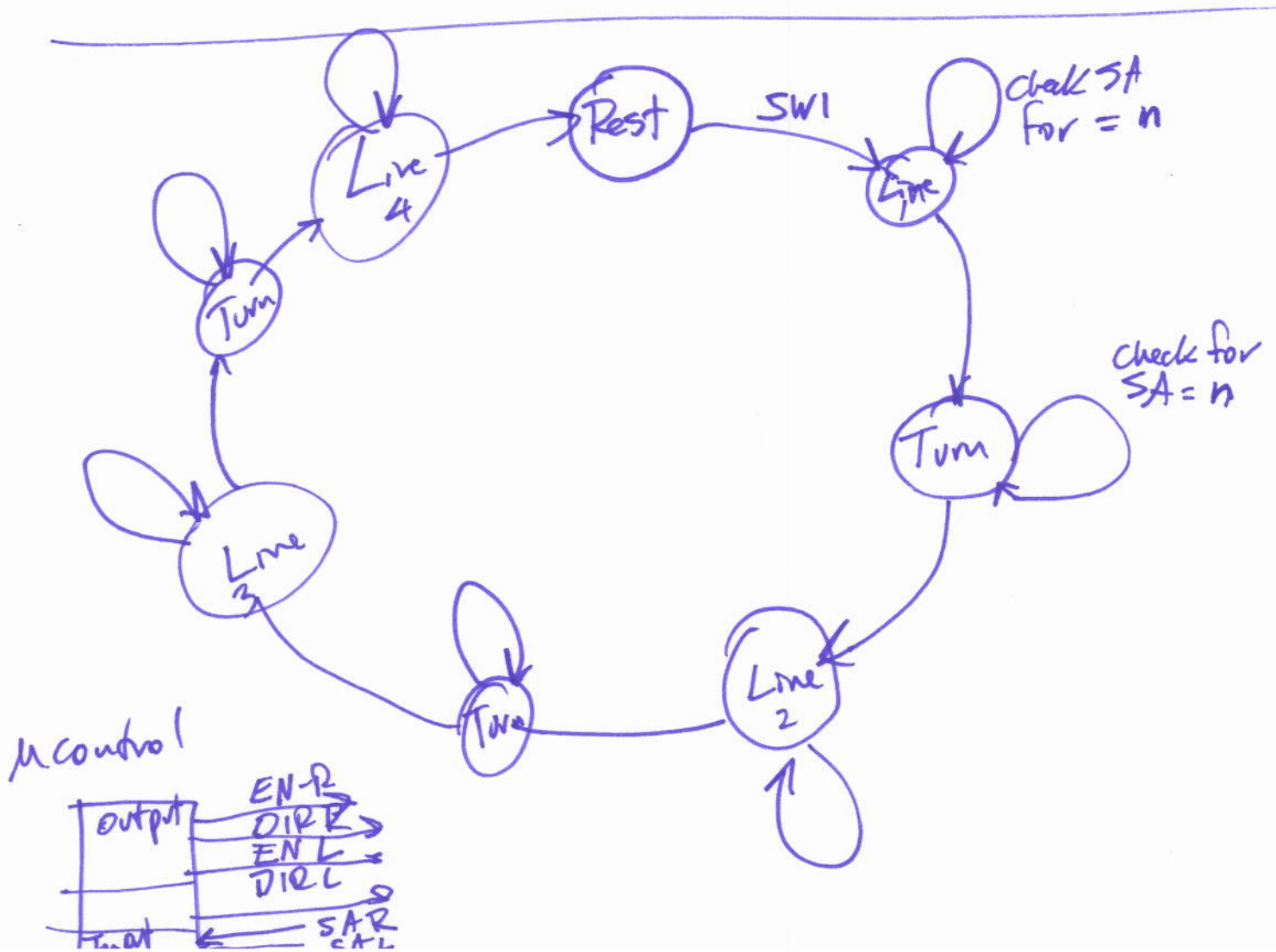


$$2^{16} = 64k = 65536$$

0 → 65,535

✓ Motors

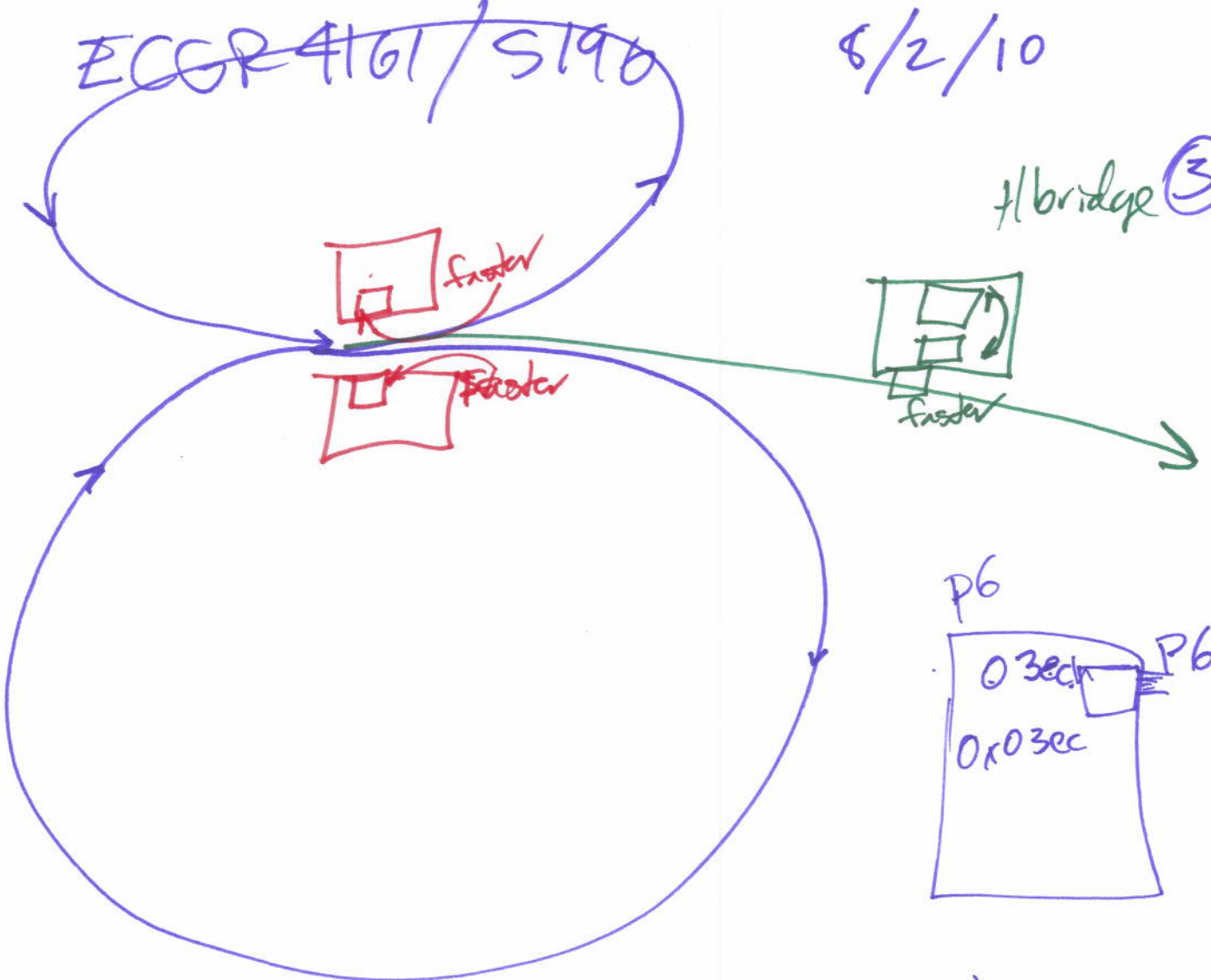
- 1) L-SA (Hall Effect Sensor)  
R-SA
- 2) QTI Light Sensor
- 3) Ultrasonic → 1' away from where turn



~~ECCP4161/S196~~

8/2/10

f/bridge (3)



26A

sfr262.h  
 skp-bsp.h

must in project  
 .a30  
 .inc

```
#include sfr262.h

pd6 = 0x0f; // p6, bits 0 to 3
             // are outputs

p6 = 15;    // p6-0 = 1
             // p6-1 = 1
             // p6-2 = 1
             // p6-3 = 1

pd7 = 0;
```

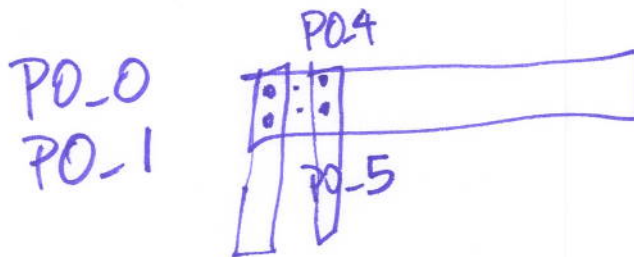
ECGR4161 / S196

8/2/10

I recommend →

④

PO output pins



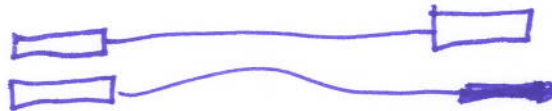
---

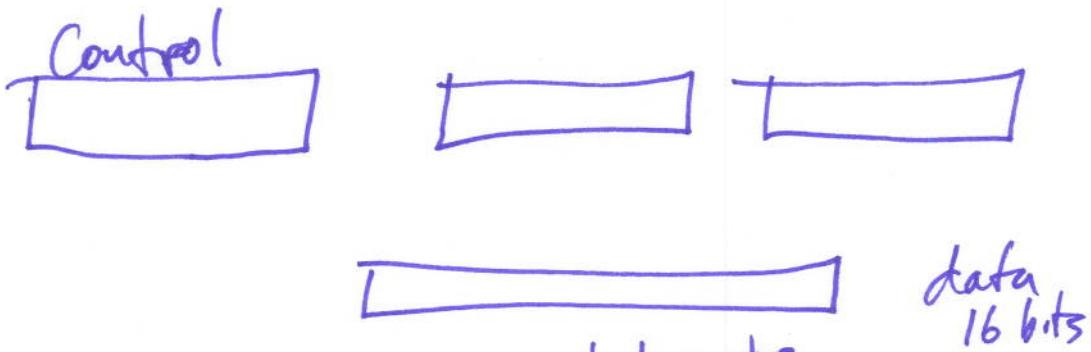
If you want to set up PWM, use P7 (TAXout)

---

Input SA-R, SA-L for event counting, use P7 (TAXin)

---





1) Set up timer A0 <sup>Control registers</sup> registers (SA-R)

- a) event counter  $ta0mr = 73;$
- b) input TAOin  $trgsr = 0;$
- c) count up  $udf = 3;$

2) Set up timer A1 <sup>Control registers</sup> registers  
a, b, c

3) ~~again~~ start timers/event counter  $tabsr = 3;$   
clear contents  $ta1 = 0;$   $ta0 = 0;$

4) <sup>line</sup> control motors  $\rightarrow$  check counts  
of  $ta0, ta1$   
when  $ta0 \geq 250$  stop motors

5) turn  $ta0 = 0;$   $ta1 = 0;$  turn, count/dect  
 $ta0$   $ta1$  again