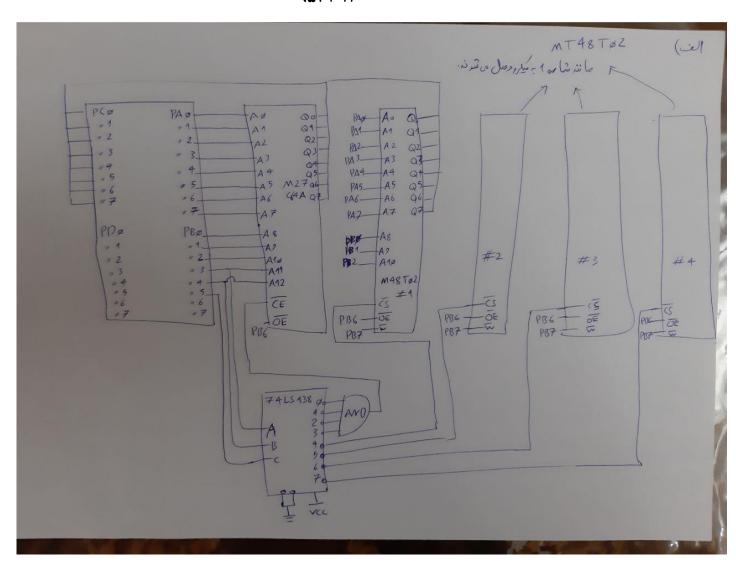
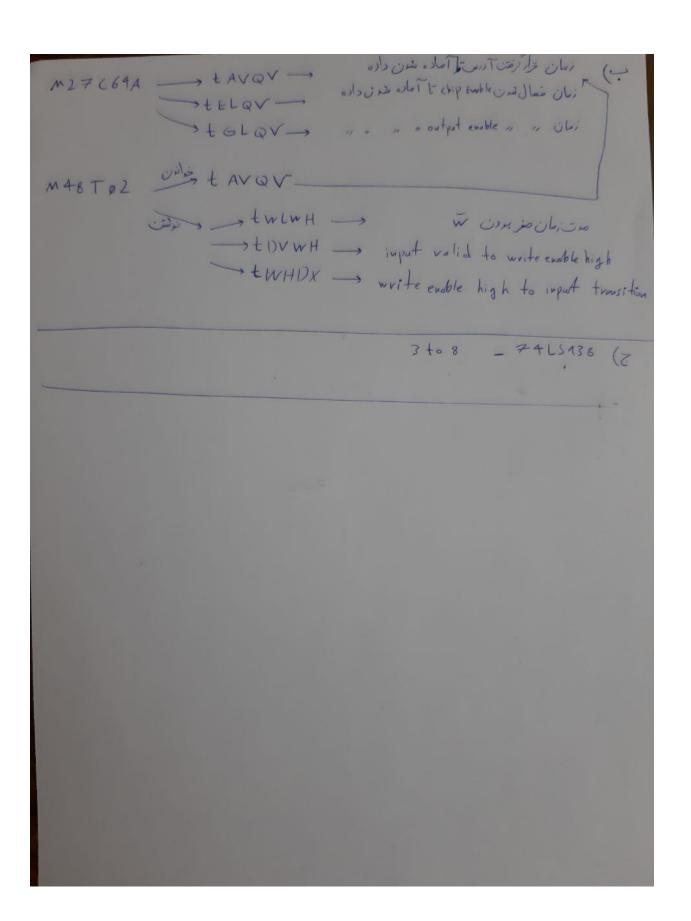
به نام خدا تمرین ۹ ریز امیرمحمد پیرحسین لو ۹۵۳۱۰۱۴





```
; Reset Vector
  rjmp Start
; CODE SEGMENT
Start:
  ; Write your code here
Loop:
  call READ
  call WRITE
  rjmp Loop
READ:
  ldi r16,0x00 ;Address: Low Byte
  ldi r17,0x15 ;Address: High Byte
  ldi r18,0xFF
  out DDRA,r18; PORTA is output
  out DDRB,r18; PORTB is output
  ldi r18,0x00
  out DDRC,r18; PORTC is input
  out PORTA,r16
  andi r17,0x1F
  out PORTB,r17
  nop ;7 nop = 7 clocks = 7 * 62.5ns > tAVQV + 1.5 clocks = 300 + 1.5 * 62.5ns
  nop
  nop
  nop
```

```
nop
  nop
  nop
  in r0,PINC
  ret
WRITE:
  ldi r16,0x00 ;Address: Low Byte
  ldi r17,0x25 ;Address: High Byte
  ldi r20,0x90 ;Data
  ldi r18,0xFF
  out DDRA,r18; PORTA is output
  out DDRB,r18 ;PORTB is output
  out DDRC,r18; PORTC is output
  out PORTC,r20
  out PORTA,r16
  andi r17,0x7F
  ori r17,0x40 ;output diabled
  out PORTB,r17
  nop ;1 nop = 1 clock = 62.5ns > tWLWH = 20ns
  sbi PORTB,7
  nop ;1 nop = 1 clock = 62.5ns > tDVWH = 12ns
  ret
```

RM48L952 16- and 32-Bit RISC Flash Microcontroller

3MB of Program Flash with ECC

256KB of RAM with ECC

64KB of Flash with ECC for Emulated

EEPROM

16-Bit External Memory Interface