#include<p18f4550.inc>

loop\_cnt1 set 0x00

loop\_cnt2 set 0x01

org 0x00

goto start

org 0x08

retfie

org 0x18

retfie

dup\_nop macro kk

variable i

i = 0

while i < kk

nop

i += 1

endw

endm

SHOWD SETF PORTD, A

BCF PORTD, 6, A

RETURN

SHOWE SETF PORTD, A

BCF PORTD, 1, A

BCF PORTD, 2, A

RETURN

SHOW9 SETF PORTD, A

BCF PORTD, 4, A

RETURN

SHOW6 SETF PORTD, A

BCF PORTD, 1, A

RETURN

SHOW5 SETF PORTD, A

BCF PORTD, 1, A

BCF PORTD, 4, A

RETURN

SHOW8 SETF PORTD, A

RETURN

CLEARled CLRF PORTD, A

RETURN

start CLRF TRISD, A

CALL CLEARled

CALL SHOWD

CALL DELAY

CALL SHOWE

CALL DELAY

CALL SHOW9

CALL DELAY

CALL SHOW6

CALL DELAY

CALL SHOW5

CALL DELAY

CALL SHOW8

CALL DELAY

CALL CLEARled

CALL DELAY

CALL SHOW8

DELAY MOVLW D'200' ;0.5sec delay subroutine for (external loop)

MOVWF loop\_cnt2,A

AGAIN1 MOVLW D'40' ;internal loop

MOVWF loop\_cnt1, A

AGAIN2 dup\_nop D'51'

DECFSZ loop\_cnt1,F,A

BRA AGAIN2

DECFSZ loop\_cnt2,F,A

BRA AGAIN1

NOP

RETURN

END