

13_step_half_pot

;Lampeggiatore per display 7-segmenti anodo comune su PORTD
;Lampeggia anche un led su RB0

```
List      P=PIC16F887
Include   "p16F887.inc"
ERRORLEVEL -302
__config 0x2007, 0x20E4 ;0010 0000 1110 0100
__config 0x2008, 0x3EFF ;0011 1110 1111 1111
```

```
COUNT_LEQU      0x20
COUNT_H        EQU      0x21
TEMP_COUNT_L    EQU      0x22
ORG             0x00

BSF             STATUS, RP0
MOVLW          0x61
MOVWF          OSCCON
MOVLW          B'11111111'
MOVWF          TRISA
MOVLW          0
MOVWF          TRISD
MOVWF          TRISC
MOVWF          TRISB
MOVLW          B'00000000'
MOVWF          ADCON1
BSF             STATUS, RP1
MOVLW          B'00000010'
MOVWF          ANSEL
BCF             STATUS, RP0
BCF             STATUS, RP1
MOVLW          B'01000101'
MOVWF          ADCON0

MOVLW          0xFF
MOVWF          COUNT_H

MAINLOOP        CALL      A_D
MOVLW          0x00
MOVWF          PORTD
MOVLW          B'00000001'
MOVWF          PORTC
MOVWF          PORTB
CALL           DELAY

CALL           A_D
MOVLW          0xFF
MOVWF          PORTD
MOVLW          B'00000011'
```

	13_step_half_pot
MOVWF	PORTC
MOVWF	PORTB
CALL	DELAY
CALL	A_D
MOVLW	0x00
MOVWF	PORTD
MOVLW	B'00000010'
MOVWF	PORTC
MOVWF	PORTB
CALL	DELAY
CALL	A_D
MOVLW	0xFF
MOVWF	PORTD
MOVLW	B'00000110'
MOVWF	PORTC
MOVWF	PORTB
CALL	DELAY
CALL	A_D
MOVLW	0x00
MOVWF	PORTD
MOVLW	B'00000100'
MOVWF	PORTC
MOVWF	PORTB
CALL	DELAY
CALL	A_D
MOVLW	0xFF
MOVWF	PORTD
MOVLW	B'00001100'
MOVWF	PORTC
MOVWF	PORTB
CALL	DELAY
CALL	A_D
MOVLW	0x00
MOVWF	PORTD
MOVLW	B'00001000'
MOVWF	PORTC
MOVWF	PORTB
CALL	DELAY
CALL	A_D
MOVLW	0xFF
MOVWF	PORTD
MOVLW	B'00001001'

		13_step_half_pot
	MOVWF	PORTC
	MOVWF	PORTB
	CALL	DELAY
	GOTO	MAINLOOP
DELAY_POT	DECFSZ	COUNT_L, 1
	GOTO	DELAY_POT
	MOVF	ADRESH, W
	MOVWF	COUNT_L
	DECFSZ	COUNT_H, 1
	GOTO	DELAY_POT
	MOVF	ADRESH, W
	MOVWF	COUNT_L
	MOVLW	0XFF
	MOVWF	COUNT_H
	RETURN	
DELAY	CALL	DELAY_POT
	CALL	DELAY_POT
	CALL	DELAY_POT
	CALL	DELAY_POT
	CALL	DELAY_POT
	RETURN	
A_D	NOP	
	NOP	
	NOP	
	NOP	
CONVERSIONE	BSF	ADCON0, 1
	BTFSC	ADCON0, 1
	GOTO	CONVERSIONE
	MOVF	ADRESH, W
	MOVWF	TEMP_COUNT_L
	MOVWF	COUNT_L
	RETURN	
	END	