

;visualizzazione delle lettere dell'alfabeto e delle cifre decimali

```

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

CBLOCK 0x20
COUNT_L
COUNT_H
CONTATORE
Asx      ;0x23
Adx
Bsx
Bdx
Csx
Cdx
Dsx
Ddx
Esx
Edx
Fsx
Fdx
Gsx
Gdx
Hsx
Hdx
Isx
Idx
Lsx
Ldx
Msx
Mdx
Nsx
Ndx
Osx
Odx
Psx
Pdx
Rsx
Rdx
Ssx
Sdx
Tsx
Tdx
Usx
Udx
Vsx
Vdx
SPENTOsx
SPENTOdx
ZEROsx

```

ZEROdx
 UNOdx
 UNOdx
 DUEsx
 DUEdx
 TREsx
 TREdx
 QUATTROsx
 QUATTROdx
 CINQUEsx
 CINQUEdx
 SEIsx
 SEIdx
 SETTESx
 SETTEdx
 OTTOsx
 OTTOdx
 NOVESx
 NOVEDx
 MENOsx
 MENOdx

ENDC

ORG 0x00
 GOTO BEGIN

.*****

```
BEGIN  BSF    STATUS,RP0    ;Banco 1
        MOVLW 0
        MOVWF TRISD        ;PORTD tutte uscite
                                ;osc interno 4MHz
        BCF    STATUS,RP0    ;Banco 0
        MOVLW 0xFF
        MOVWF  COUNT_L
        MOVWF  COUNT_H
        CALL   ALFABETO
        CALL   SEQUENZA
```

.*****

SEQUENZA

```
        MOVLW 0X23
        MOVWF  FSR
NEXT    MOVF   INDF, 0
        MOVWF  PORTD
        CALL   DELAY
        INCF   FSR, 1
        GOTO   NEXT
```

.*****

```
DEL200MS    DECFSZ    COUNT_L,1
            GOTO      DEL200MS
            MOVLW     0xFF
            MOVWF     COUNT_L
            DECFSZ    COUNT_H,1
```

03_alfabeto_887

```
GOTO      DEL200MS
MOVLW     0xFF
MOVWF     COUNT_L
MOVWF     COUNT_H
RETURN
```

```
DELAY      CALL      DEL200MS      ;1 sec at 4 MHz
            CALL      DEL200MS
            CALL      DEL200MS
            CALL      DEL200MS
            CALL      DEL200MS
            RETURN
```

```
DELAY06    CALL      DEL200MS      ;0,6 sec at 4 MHz
            CALL      DEL200MS
            CALL      DEL200MS
            RETURN
```

.***** LETTERA A SINISTRA *****
,

```
ALFABETO   MOVLW     B'00010001'
            MOVWF     Asx
```

```
            MOVLW     B'11000001'
            MOVWF     Bsx
```

```
            MOVLW     B'01100011'
            MOVWF     Csx
```

```
            MOVLW     B'10000101'
            MOVWF     Dsx
```

```
            MOVLW     B'01100001'
            MOVWF     Esx
```

```
            MOVLW     B'01110001'
            MOVWF     Fsx
```

```
            MOVLW     B'01000011'
            MOVWF     Gsx
```

```
            MOVLW     B'10010001'
            MOVWF     Hsx
```

```
            MOVLW     B'10011111'
            MOVWF     Isx
```

```
            MOVLW     B'11100011'
            MOVWF     Lsx
```

```
            MOVLW     B'00010011'
            MOVWF     Msx
```

```
            MOVLW     B'11010101'
```

MOVWF Nsx

MOVLW B'00000011'

MOVWF Osx

MOVLW B'00110001'

MOVWF Psx

MOVLW B'11110101'

MOVWF Rsx

MOVLW B'01001001'

MOVWF Ssx

MOVLW B'01110011'

MOVWF Tsx

MOVLW B'10000011'

MOVWF Usx

MOVLW B'10110001'

MOVWF Vsx

MOVLW B'11111111'

MOVWF SPENTOsx

MOVLW B'00000011'

MOVWF ZEROsx

MOVLW B'10011111'

MOVWF UNOsx

MOVLW B'00100101'

MOVWF DUEsx

MOVLW B'00001101'

MOVWF TREsx

MOVLW B'10011001'

MOVWF QUATTROsx

MOVLW B'01001001'

MOVWF CINQUEsx

MOVLW B'01000001'

MOVWF SEIsx

MOVLW B'00011111'

MOVWF SETTEsx

MOVLW B'00000001'

MOVWF OTTOsx

03_alfabeto_887

MOVLW B'00001001'
MOVWF NOVEsx

MOVLW B'11111101'
MOVWF MENOsx

.***** LETTERA A DESTRA *****
,

MOVLW B'00010000'
MOVWF Adx

MOVLW B'11000000'
MOVWF Bdx

MOVLW B'01100010'
MOVWF Cdx

MOVLW B'10000100'
MOVWF Ddx

MOVLW B'01100000'
MOVWF Edx

MOVLW B'01110000'
MOVWF Fdx

MOVLW B'01000010'
MOVWF Gdx

MOVLW B'10010000'
MOVWF Hdx

MOVLW B'10011110'
MOVWF Idx

MOVLW B'11100010'
MOVWF Ldx

MOVLW B'00010010'
MOVWF Mdx

MOVLW B'11010100'
MOVWF Ndx

MOVLW B'00000010'
MOVWF Odx

MOVLW B'00110000'
MOVWF Pdx

MOVLW B'11110100'
MOVWF Rdx

MOVLW B'01001000'

MOVWF Sdx

MOVLW B'01110010'

MOVWF Tdx

MOVLW B'10000010'

MOVWF Udx

MOVLW B'10110000'

MOVWF Vdx

MOVLW B'11111111'

MOVWF SPENTOdx

MOVLW B'00000010'

MOVWF ZEROdx

MOVLW B'10011110'

MOVWF UNOdx

MOVLW B'00100100'

MOVWF DUEdx

MOVLW B'00001100'

MOVWF TREdx

MOVLW B'10011000'

MOVWF QUATTROdx

MOVLW B'01001000'

MOVWF CINQUEdx

MOVLW B'01000000'

MOVWF SEIdx

MOVLW B'00011110'

MOVWF SETTEdx

MOVLW B'00000000'

MOVWF OTTOdx

MOVLW B'00001000'

MOVWF NOVEDx

MOVLW B'11111100'

MOVWF MENOdx

RETURN

.*****
,

END