

;visualizzazione della parola "CIAO"

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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
ENDC

ORG 0x00
GOTO BEGIN
;*****
,BEGIN BSF STATUS,RP0 ;Banco 1
        MOVLW 0
        ;Oscillatore interno 4MHz default
        MOVWF TRISD ;PORTD tutte uscite
        BCF STATUS,RP0 ;Banco 0
        MOVLW 0xFF
        MOVWF COUNT_L
        MOVWF COUNT_H
        CALL FRASE1
        GOTO BEGIN
;*****
,FRASE1 CALL Csx
        CALL Isx
        CALL Asx
        CALL Osx
        RETURN

Asx      MOVLW B'00010001'
        MOVWF PORTD
        CALL DELAY06
        RETURN

Csx      MOVLW B'01100011'
        MOVWF PORTD
        CALL DELAY06
        RETURN

Isx      MOVLW B'10011111'
        MOVWF PORTD
        CALL DELAY06
        RETURN

Osx      MOVLW B'00000011'
        MOVWF PORTD
        CALL DELAY06
        RETURN

```

.*****
 ,

DEL200MS	DECFSZ	COUNT_L,1	
	GOTO	DEL200MS	
	MOVLW	0xFF	
	MOVWF	COUNT_L	
	DECFSZ	COUNT_H,1	
	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	
	CALL	DEL200MS	;1 sec at 4 MHz
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	;1 sec at 4 MHz
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	;1 sec at 4 MHz
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	;1 sec at 4 MHz
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	;1 sec at 4 MHz
	CALL	DEL200MS	
	CALL	DEL200MS	
	CALL	DEL200MS	
	RETURN		
DELAY06	CALL	DEL200MS	;0,6 sec at 4 MHz
	CALL	DEL200MS	
	CALL	DEL200MS	
	RETURN		

.*****
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END