**ANEXO 1.**

**PROGRAMACION DE MICROCONTROLADOR EMISOR.**

; Simple PIC 16F877X Program to drive Serial LCDs.

; Assumes 1MHZ CPU clock, 2400 baud rate for the LCD.

LIST p=16F877A

#include "P16F877A.INC"

DATO\_A equ 0xc ;Registro del dato A

DATO\_B equ 0xd ;Registro del dato B

DATO\_C equ 0xE ;Registro del dato B

; Vector for normal start up.

org 0

goto INICIO

org 4

goto INTERRUPCION

INICIO

CLRW

BCF STATUS,RP1

BSF STATUS,RP0

MOVLW 0X00

MOVWF TRISD

MOVLW 0X00

MOVWF TRISA

MOVLW 0XF9

MOVWF TRISB

MOVLW 0X00

MOVWF TRISC

MOVLW 0XD0

MOVWF INTCON

MOVLW 0X40

MOVWF OPTION\_REG

BCF STATUS,RP0

;XXXXXXXXXXXXXXXXX CONFIGURACION INICIAL DE LCD XXXXXXXXXXXXXXXXXXXXXXXXX

MOVLW b'00111000'

CALL LCD\_REG

MOVLW b'00111000'

CALL LCD\_REG

MOVLW b'00111000'

CALL LCD\_REG

MOVLW b'00000001' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

MOVLW b'00000110'

CALL LCD\_REG

MOVLW b'00001100'

CALL LCD\_REG

MOVLW 0x80

CALL LCD\_REG

;XXXXXXXXXXXXXXXXX MENSAJE DE INICIO LCD XXXXXXXXXXXXXXXXXXXXXXXXX

BCF PORTD,0

BCF PORTD,1

BCF PORTD,2

BCF PORTD,3

BCF PORTD,4

BCF PORTD,5

BCF PORTD,6

BCF PORTD,7

MOVLW 0X0F

MOVWF PORTA

MOVLW ' '

CALL DATO

CALL DELAY2

MOVLW 'C'

CALL DATO

CALL DELAY2

MOVLW 'O'

CALL DATO

CALL DELAY2

MOVLW 'L'

CALL DATO

CALL DELAY2

MOVLW 'O'

CALL DATO

CALL DELAY2

MOVLW 'R'

CALL DATO

CALL DELAY2

MOVLW 'I'

CALL DATO

CALL DELAY2

MOVLW 'M'

CALL DATO

CALL DELAY2

MOVLW 'E'

CALL DATO

CALL DELAY2

MOVLW 'T'

CALL DATO

CALL DELAY2

MOVLW 'R'

CALL DATO

CALL DELAY2

MOVLW 'O'

CALL DATO

CALL DELAY2

movlw 0xC0 ; CAMBIO A SEGUNDA LINEA

CALL LCD\_REG

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'B'

CALL DATO

CALL DELAY2

MOVLW 'A'

CALL DATO

CALL DELAY2

MOVLW 'S'

CALL DATO

CALL DELAY2

MOVLW 'I'

CALL DATO

CALL DELAY2

MOVLW 'C'

CALL DATO

CALL DELAY2

MOVLW 'O'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

CALL DELAY3

CALL DELAY3

;XXXXXXXXXXXXXXXXX MENSAJE DE INGRESO DE MUESTRA XXXXXXXXXXXXXXXXXXXXXXXXX

MUESTRA

BCF PORTD,0

BCF PORTD,1

BCF PORTD,2

BCF PORTD,3

BCF PORTD,4

BCF PORTD,5

BCF PORTD,6

BCF PORTD,7

MOVLW 0X0F

MOVWF PORTA

MOVLW b'00000001' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

MOVLW ' '

CALL DATO

MOVLW 'I'

CALL DATO

MOVLW 'N'

CALL DATO

MOVLW 'G'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW 'S'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'L'

CALL DATO

MOVLW 'A'

CALL DATO

movlw 0xC0 ; CAMBIO A SEGUNDA LINEA

CALL LCD\_REG

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'M'

CALL DATO

MOVLW 'U'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW 'S'

CALL DATO

MOVLW 'T'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

SM

BTFSC PORTB,0

GOTO SM

;XXXXXXXXXXXXXXXXX MENSAJE DE INGRESO DE FILTRO XXXXXXXXXXXXXXXXXXXXXX

MOVLW b'00000001' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

MOVLW ' '

CALL DATO

MOVLW 'I'

CALL DATO

MOVLW 'N'

CALL DATO

MOVLW 'G'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW 'S'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW 'L'

CALL DATO

movlw 0xC0 ; CAMBIO A SEGUNDA LINEA

CALL LCD\_REG

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'F'

CALL DATO

MOVLW 'I'

CALL DATO

MOVLW 'L'

CALL DATO

MOVLW 'T'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW 'O'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

BSF PORTD,0

BSF PORTD,1

BSF PORTD,2

SF

BTFSC PORTB,3

GOTO OR

BTFSC PORTB,4

GOTO OR

BTFSC PORTB,5

GOTO OR

GOTO SF

OR

;XXXXXXXXXXXXXXXXX MENSAJE DE INGRESO DE MEDICION XXXXXXXXXXXXXXXXXXXXXX

MOVLW b'00000001' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

MOVLW ' '

CALL DATO

MOVLW 'I'

CALL DATO

MOVLW 'N'

CALL DATO

MOVLW 'G'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW 'S'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'Q'

CALL DATO

MOVLW 'U'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'V'

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW 'S'

CALL DATO

movlw 0xC0 ; CAMBIO A SEGUNDA LINEA

CALL LCD\_REG

MOVLW ' '

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'M'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW 'D'

CALL DATO

MOVLW 'I'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW ' '

CALL DATO

MOVLW '('

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW '/'

CALL DATO

MOVLW '%'

CALL DATO

MOVLW 'T'

CALL DATO

MOVLW ')'

CALL DATO

BSF PORTD,3

BSF PORTD,4

SM2

BTFSC PORTB,6

GOTO OR2

BTFSC PORTB,7

GOTO OR2

GOTO SM2

OR2

;XXXXXXXXXXXXXXXXX MENSAJE DE PROCESANDO XXXXXXXXXXXXXXXXXXXXXX

MOVLW b'00000001' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

movlw b'00000010'

movwf PORTA

BTFSC PORTB,3

BSF PORTD,5

BTFSC PORTB,4

BSF PORTD,6

BTFSC PORTB,5

BSF PORTD,7

MOVLW ' '

CALL DATO

MOVLW 'P'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW 'O'

CALL DATO

MOVLW 'C'

CALL DATO

MOVLW 'E'

CALL DATO

MOVLW 'S'

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW 'N'

CALL DATO

MOVLW 'D'

CALL DATO

MOVLW 'O'

CALL DATO

CALL DELAY3

MOVLW '.'

CALL DATO

CALL DELAY3

MOVLW '.'

CALL DATO

CALL DELAY3

MOVLW '.'

CALL DATO

CALL DELAY3

MOVLW '.'

CALL DATO

CALL DELAY3

MOVLW '.'

CALL DATO

CALL DELAY3

MOVLW b'00000001' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

FF

CLRF PORTC

nop

nop

nop

nop

nop

movlw b'00100010'

movwf PORTA

;BSF PORTA,5

GOTO FF

INTERRUPCION

BCF PORTA,5

CALL DELAY3

BCF PORTA,1

CALL DELAY3

BSF PORTA,1

CALL DELAY3

BSF STATUS,RP0

MOVLW 0XD0

MOVWF INTCON

MOVLW 0X40

MOVWF OPTION\_REG

BCF STATUS,RP0

MOVLW b'00000001' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

GOTO MUESTRA

LCD\_REG

BCF PORTB,1 ;Desactiva RS (Modo instruccion)

BSF PORTB,2

MOVWF PORTC ;Saca el codigo de instruccion

CALL DELAY\_5MS

BCF PORTB,2

RETURN

DATO

BSF PORTB,1 ;Desactiva RS (Modo instruccion)

BSF PORTB,2

MOVWF PORTC ;Saca el codigo de instruccion

CALL DELAY\_5MS

CALL DELAY\_5MS

BCF PORTB,2

RETURN

DELAY\_5MS movlw 0x1A

movwf DATO\_B

clrf DATO\_A

DELAY\_1 decfsz DATO\_A,1

goto DELAY\_1

decfsz DATO\_B,1

goto DELAY\_1

return

DELAY2 movlw 0xFF

movwf DATO\_B

movlw 0xF7

MOVWF DATO\_A

movlw 0x07

movwf DATO\_C

DELAY\_12 decfsz DATO\_A,1

goto DELAY\_12

decfsz DATO\_B,1

goto DELAY\_12

decfsz DATO\_C,1

goto DELAY\_12

return

DELAY3 movlw 0xFF

movwf DATO\_B

movlw 0xF7

MOVWF DATO\_A

movlw 0x0F

movwf DATO\_C

DELAY\_123 decfsz DATO\_A,1

goto DELAY\_123

decfsz DATO\_B,1

goto DELAY\_123

decfsz DATO\_C,1

goto DELAY\_123

return

END

**ANEXO 2.**

**PROGRAMACION DE MICROCONTROLADOR RECEPTOR.**

; Simple PIC 16F877X Program to drive Serial LCDs.

; Assumes 1MHZ CPU clock, 2400 baud rate for the LCD.

LIST p=16F877A

#include "P16F877A.INC"

DATO\_A equ 0x0c ;Registro del dato A

DATO\_B equ 0x0d ;Registro del dato B

DATO\_C equ 0x0E ;Registro del dato B

SELECCION EQU 0X0F

FILTRO EQU 0x1A

NUEVO EQU 0x1B

; Vector for normal start up.

org 0

goto INICIO

Include "IMP.LIB"

INICIO

CLRW

BCF STATUS,RP1

BSF STATUS,RP0

clrf ADCON1

CLRF TRISB

bsf PIE1,ADIE

MOVLW 0XFC

MOVWF TRISD

;MOVLW 0XFF

;MOVWF TRISB

MOVLW 0X00

MOVWF TRISC

BCF STATUS,RP0

CLRF PORTB

movlw b'11000001'

movwf ADCON0

;bcf PIR1,ADIF

bsf INTCON,PEIE

bsf INTCON,GIE

;bsf ADCON0,GO

CLRF PORTB

;XXXXXXXXXXXXXXXXX CONFIGURACION INICIAL DE LCD XXXXXXXXXXXXXXXXXXXXXXXXX

MOVLW b'00111000'

CALL LCD\_REG

MOVLW b'00111000'

CALL LCD\_REG

MOVLW b'00111000'

CALL LCD\_REG

MOVLW b'00000001' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

MOVLW b'00000110'

CALL LCD\_REG

MOVLW b'00001100'

CALL LCD\_REG

MOVLW 0x80

CALL LCD\_REG

CLRF PORTC

;XXXXXXXXXXXXXXXXX MENSAJE DE INICIO LCD XXXXXXXXXXXXXXXXXXXXXXXXX

CLRF ADRESL

BUCLE

MOVLW 0X00

MOVWF SELECCION

BTFSC PORTD,2

GOTO MENSAJE1

BTFSC PORTD,3

GOTO MENSAJE2

GOTO BUCLE

MENSAJE1

bcf PIR1,ADIF

MOVLW b'00000010' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

MOVLW ' '

CALL DATO

CALL DELAY2

MOVLW ' '

CALL DATO

MOVLW ' '

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW 'B'

CALL DATO

MOVLW 'S'

CALL DATO

MOVLW 'O'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW 'B'

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW 'N'

CALL DATO

MOVLW 'C'

CALL DATO

MOVLW 'I'

CALL DATO

MOVLW 'A'

CALL DATO

movlw 0xC0 ; CAMBIO A SEGUNDA LINEA

CALL LCD\_REG

MOVLW 0X01

MOVWF SELECCION

GOTO LISTO

LISTO

;-------------------------------------------------------------

;AB\_0

;MOVLW 0X3F

;MOVWF FILTRO

bcf PIR1,ADIF

bsf ADCON0,GO

movf ADRESL,W

movwf NUEVO

;movlw b'11111000'

;andwf NUEVO

;movfw NUEVO

bcf STATUS,C

rrf NUEVO

bcf STATUS,C

rrf NUEVO

movfw NUEVO

movwf PORTB

;movf PORTB,w

;ANDWF FILTRO,0

btfsc NUEVO,0

GOTO INI

btfsc NUEVO,1

GOTO INI

btfsc NUEVO,2

GOTO INI

btfsc NUEVO,3

GOTO INI

btfsc NUEVO,4

GOTO INI

btfsc NUEVO,5

GOTO INI

btfsc NUEVO,6

GOTO IMP\_0

GOTO IMP\_1

INI

addwf PCL,f

nop

;GOTO IMP\_0

;GOTO IMP\_1

GOTO IMP\_2

GOTO IMP\_3

GOTO IMP\_4

GOTO IMP\_5

GOTO IMP\_6

GOTO IMP\_7

GOTO IMP\_8

GOTO IMP\_9

GOTO IMP\_10

GOTO IMP\_11

GOTO IMP\_12

GOTO IMP\_13

GOTO IMP\_14

GOTO IMP\_15

GOTO IMP\_16

GOTO IMP\_17

GOTO IMP\_18

GOTO IMP\_19

GOTO IMP\_20

GOTO IMP\_21

GOTO IMP\_22

GOTO IMP\_23

GOTO IMP\_24

GOTO IMP\_25

GOTO IMP\_26

GOTO IMP\_27

GOTO IMP\_28

GOTO IMP\_29

GOTO IMP\_30

GOTO IMP\_31

GOTO IMP\_32

GOTO IMP\_33

GOTO IMP\_34

GOTO IMP\_35

GOTO IMP\_36

GOTO IMP\_37

GOTO IMP\_38

GOTO IMP\_39

GOTO IMP\_40

GOTO IMP\_41

GOTO IMP\_42

GOTO IMP\_43

GOTO IMP\_44

GOTO IMP\_45

GOTO IMP\_46

GOTO IMP\_47

GOTO IMP\_48

GOTO IMP\_49

GOTO IMP\_50

GOTO IMP\_51

GOTO IMP\_52

GOTO IMP\_53

GOTO IMP\_54

GOTO IMP\_55

GOTO IMP\_56

GOTO IMP\_57

GOTO IMP\_58

GOTO IMP\_59

GOTO IMP\_60

GOTO IMP\_61

GOTO IMP\_62

GOTO IMP\_63

IMP\_0

BTFSC SELECCION,1

GOTO IMP\_0A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

GOTO BUCLE

IMP\_0A

MOVLW '1'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '%'

CALL DATO

MOVLW ' '

CALL DATO

GOTO BUCLE

IMP\_63

BTFSC SELECCION,1

GOTO IMP\_1A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_1A

MOVLW '9'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_62

BTFSC SELECCION,1

GOTO IMP\_2A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '4'

CALL DATO

GOTO BUCLE

IMP\_2A

MOVLW '9'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_61

BTFSC SELECCION,1

GOTO IMP\_3A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '1'

CALL DATO

GOTO BUCLE

IMP\_3A

MOVLW '9'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_60

BTFSC SELECCION,1

GOTO IMP\_4A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '8'

CALL DATO

GOTO BUCLE

IMP\_4A

MOVLW '9'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_59

BTFSC SELECCION,1

GOTO IMP\_5A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '5'

CALL DATO

GOTO BUCLE

IMP\_5A

MOVLW '9'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_58

BTFSC SELECCION,1

GOTO IMP\_6A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '3'

CALL DATO

GOTO BUCLE

IMP\_6A

MOVLW '9'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_57

BTFSC SELECCION,1

GOTO IMP\_7A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '1'

CALL DATO

GOTO BUCLE

IMP\_7A

MOVLW '8'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_56

BTFSC SELECCION,1

GOTO IMP\_8A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '8'

CALL DATO

GOTO BUCLE

IMP\_8A

MOVLW '8'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_55

BTFSC SELECCION,1

GOTO IMP\_9A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_9A

MOVLW '8'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_54

BTFSC SELECCION,1

GOTO IMP\_10A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '5'

CALL DATO

GOTO BUCLE

IMP\_10A

MOVLW '8'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_53

BTFSC SELECCION,1

GOTO IMP\_11A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '3'

CALL DATO

GOTO BUCLE

IMP\_11A

MOVLW '8'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_52

BTFSC SELECCION,1

GOTO IMP\_12A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '1'

CALL DATO

GOTO BUCLE

IMP\_12A

MOVLW '8'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_51

BTFSC SELECCION,1

GOTO IMP\_13A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

GOTO BUCLE

IMP\_13A

MOVLW '7'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_50

BTFSC SELECCION,1

GOTO IMP\_14A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '9'

CALL DATO

GOTO BUCLE

IMP\_14A

MOVLW '7'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_49

BTFSC SELECCION,1

GOTO IMP\_15A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '8'

CALL DATO

GOTO BUCLE

IMP\_15A

MOVLW '7'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_48

BTFSC SELECCION,1

GOTO IMP\_16A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_16A

MOVLW '7'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_47

BTFSC SELECCION,1

GOTO IMP\_17A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_17A

MOVLW '7'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_46

BTFSC SELECCION,1

GOTO IMP\_18A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_18A

MOVLW '7'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_45

BTFSC SELECCION,1

GOTO IMP\_19A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '5'

CALL DATO

GOTO BUCLE

IMP\_19A

MOVLW '6'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_44

BTFSC SELECCION,1

GOTO IMP\_20A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '5'

CALL DATO

GOTO BUCLE

IMP\_20A

MOVLW '6'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_43

BTFSC SELECCION,1

GOTO IMP\_21A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_21A

MOVLW '6'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_42

BTFSC SELECCION,1

GOTO IMP\_22A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_22A

MOVLW '6'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_41

BTFSC SELECCION,1

GOTO IMP\_23A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_23A

MOVLW '6'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_40

BTFSC SELECCION,1

GOTO IMP\_24A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '8'

CALL DATO

GOTO BUCLE

IMP\_24A

MOVLW '6'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_39

BTFSC SELECCION,1

GOTO IMP\_25A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '9'

CALL DATO

GOTO BUCLE

IMP\_25A

MOVLW '6'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_38

BTFSC SELECCION,1

GOTO IMP\_26A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '1'

CALL DATO

GOTO BUCLE

IMP\_26A

MOVLW '5'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_37

BTFSC SELECCION,1

GOTO IMP\_27A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '3'

CALL DATO

GOTO BUCLE

IMP\_27A

MOVLW '5'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_36

BTFSC SELECCION,1

GOTO IMP\_28A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '5'

CALL DATO

GOTO BUCLE

IMP\_28A

MOVLW '5'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_35

BTFSC SELECCION,1

GOTO IMP\_29A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_29A

MOVLW '5'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_34

BTFSC SELECCION,1

GOTO IMP\_30A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '0'

CALL DATO

GOTO BUCLE

IMP\_30A

MOVLW '5'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_33

BTFSC SELECCION,1

GOTO IMP\_31A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '4'

CALL DATO

GOTO BUCLE

IMP\_31A

MOVLW '5'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_32

BTFSC SELECCION,1

GOTO IMP\_32A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_32A

MOVLW '4'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_31

BTFSC SELECCION,1

GOTO IMP\_33A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '2'

CALL DATO

GOTO BUCLE

IMP\_33A

MOVLW '4'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_30

BTFSC SELECCION,1

GOTO IMP\_34A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_34A

MOVLW '4'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_29

BTFSC SELECCION,1

GOTO IMP\_35A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '2'

CALL DATO

GOTO BUCLE

IMP\_35A

MOVLW '4'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_28

BTFSC SELECCION,1

GOTO IMP\_36A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_36A

MOVLW '4'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_27

BTFSC SELECCION,1

GOTO IMP\_37A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '4'

CALL DATO

GOTO BUCLE

IMP\_37A

MOVLW '4'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_26

BTFSC SELECCION,1

GOTO IMP\_38A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '1'

CALL DATO

GOTO BUCLE

IMP\_38A

MOVLW '3'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_25

BTFSC SELECCION,1

GOTO IMP\_39A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '9'

CALL DATO

GOTO BUCLE

IMP\_39A

MOVLW '3'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_24

BTFSC SELECCION,1

GOTO IMP\_40A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_40A

MOVLW '3'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_23

BTFSC SELECCION,1

GOTO IMP\_41A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_41A

MOVLW '3'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_22

BTFSC SELECCION,1

GOTO IMP\_42A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_42A

MOVLW '3'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_21

BTFSC SELECCION,1

GOTO IMP\_43A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '8'

CALL DATO

GOTO BUCLE

IMP\_43A

MOVLW '3'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_20

BTFSC SELECCION,1

GOTO IMP\_44A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '0'

CALL DATO

GOTO BUCLE

IMP\_44A

MOVLW '3'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_19

BTFSC SELECCION,1

GOTO IMP\_45A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '4'

CALL DATO

GOTO BUCLE

IMP\_45A

MOVLW '2'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_18

BTFSC SELECCION,1

GOTO IMP\_46A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '8'

CALL DATO

GOTO BUCLE

IMP\_46A

MOVLW '2'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_17

BTFSC SELECCION,1

GOTO IMP\_47A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '5'

CALL DATO

GOTO BUCLE

IMP\_47A

MOVLW '2'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_16

BTFSC SELECCION,1

GOTO IMP\_48A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '3'

CALL DATO

GOTO BUCLE

IMP\_48A

MOVLW '2'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_15

BTFSC SELECCION,1

GOTO IMP\_49A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '3'

CALL DATO

GOTO BUCLE

IMP\_49A

MOVLW '2'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_14

BTFSC SELECCION,1

GOTO IMP\_50A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '5'

CALL DATO

GOTO BUCLE

IMP\_50A

MOVLW '2'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_13

BTFSC SELECCION,1

GOTO IMP\_51A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '0'

CALL DATO

GOTO BUCLE

IMP\_51A

MOVLW '1'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_12

BTFSC SELECCION,1

GOTO IMP\_52A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_52A

MOVLW '1'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_11

BTFSC SELECCION,1

GOTO IMP\_53A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '9'

CALL DATO

GOTO BUCLE

IMP\_53A

MOVLW '1'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_10

BTFSC SELECCION,1

GOTO IMP\_54A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '5'

CALL DATO

GOTO BUCLE

IMP\_54A

MOVLW '1'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_9

BTFSC SELECCION,1

GOTO IMP\_55A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '6'

CALL DATO

GOTO BUCLE

IMP\_55A

MOVLW '1'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_8

BTFSC SELECCION,1

GOTO IMP\_56A

MOVLW '0'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '4'

CALL DATO

GOTO BUCLE

IMP\_56A

MOVLW '1'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_7

BTFSC SELECCION,1

GOTO IMP\_57A

MOVLW '1'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '1'

CALL DATO

GOTO BUCLE

IMP\_57A

MOVLW '9'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_6

BTFSC SELECCION,1

GOTO IMP\_58A

MOVLW '1'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

GOTO BUCLE

IMP\_58A

MOVLW '7'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_5

BTFSC SELECCION,1

GOTO IMP\_59A

MOVLW '1'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '7'

CALL DATO

GOTO BUCLE

IMP\_59A

MOVLW '6'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_4

BTFSC SELECCION,1

GOTO IMP\_60A

MOVLW '1'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '3'

CALL DATO

MOVLW '2'

CALL DATO

MOVLW '2'

CALL DATO

GOTO BUCLE

IMP\_60A

MOVLW '4'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '6'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_3

BTFSC SELECCION,1

GOTO IMP\_61A

MOVLW '1'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '4'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '8'

CALL DATO

GOTO BUCLE

IMP\_61A

MOVLW '3'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '1'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_2

BTFSC SELECCION,1

GOTO IMP\_62A

MOVLW '1'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '7'

CALL DATO

MOVLW '9'

CALL DATO

MOVLW '9'

CALL DATO

GOTO BUCLE

IMP\_62A

MOVLW '1'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '5'

CALL DATO

MOVLW '8'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

IMP\_1

BTFSC SELECCION,1

GOTO IMP\_63A

MOVLW '2'

CALL DATO

MOVLW '.'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

GOTO BUCLE

IMP\_63A

MOVLW '1'

CALL DATO

MOVLW ','

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '0'

CALL DATO

MOVLW '%'

CALL DATO

GOTO BUCLE

MENSAJE2

bcf PIR1,ADIF

MOVLW b'00000010' ; Borrar pantalla y puntero en la primera linea

CALL LCD\_REG

MOVLW ' '

CALL DATO

MOVLW 'T'

CALL DATO

MOVLW 'R'

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW 'N'

CALL DATO

MOVLW 'S'

CALL DATO

MOVLW 'M'

CALL DATO

MOVLW 'I'

CALL DATO

MOVLW 'T'

CALL DATO

MOVLW 'A'

CALL DATO

MOVLW 'N'

CALL DATO

MOVLW 'C'

CALL DATO

MOVLW 'I'

CALL DATO

MOVLW 'A'

CALL DATO

movlw 0xC0 ; CAMBIO A SEGUNDA LINEA

CALL LCD\_REG

MOVLW 0X02

MOVWF SELECCION

GOTO LISTO

END