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'***** Config Port *****
trisB=$ff      ' Input Start/Stop
trisC=$00      ' Output LCD
trisD=$ff      ' Input Up/Down

' ***** Config LCD *****
DEFINE LCD_RSREG PORTC
DEFINE LCD_RSBIT 0

DEFINE LCD_EREG PORTC
DEFINE LCD_EBIT 1

DEFINE LCD_DREG PORTC
DEFINE LCD_DBIT 4

' ***** Variable *****
Number VAR WORD      ' 0 - 65535
SW_UP   VAR portd.0
SW_DN   VAR portd.1

' ***** Ininitial Value *****
Number=0

' ***** Main Program *****
Main:
    GOSUB Disp
    GOSUB Count_Num
    PAUSE 180
GOTO Main

' ***** Sub Program *****
Disp:
    LCDOUT $fe,1,"Counter Up/Down"
    LCDOUT $fe,$c0,"Number is ",$fe,$cb,DEC Number
RETURN

Count_Num:
    IF SW_UP = 1 THEN GOSUB c_up
    IF SW_DN = 1 THEN GOSUB C_DN
RETURN

C_UP:
    Number=Number+1
RETURN

C_DN:
    Number=Number-1
RETURN

END
```