CODE FOR THE BOOST-HALF-BRIDGE CONVERTER PULSES

```
LCD_BUS          REG  P0      ;LCD DATA BUS

H_DRIVE          REG  P1.0   ;

L_DRIVE          REG  P1.1   ;

COUNT            EQU  12H

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

       ORG   000H

       SJMP  RESET            ; POWER UP RESET VECTOR

       ORG   003H

       AJMP  EXINT0           ; EXTERNAL INTERRUPT 0 VECTOR

       ORG   00BH

       AJMP  TIMER0           ; COUNTER/ TIMER 0 INT VECTOR

       ORG   013H

       AJMP  EXINT1           ; EXTERNAL INT 1 VECTOR

       ORG   01BH        ;

       AJMP  TIMER1           ; TIMER 1 INT VECTOR

       ORG   023H

       AJMP  SERIAL           ; SERIAL INT VECTOR

       ORG   0050H

RESET:

       MOV   SP,#5FH          ;STACK POINTER VECTRED TO 5FH

       CLR   H_DRIVE          ;

       SETB  L_DRIVE

MAIN:

       ACALL      DRIVE_CONTROL

             SJMP  MAIN
```

```
;------------------DRIVE CONTROL-------------------
DRIVE_CONTROL:
      MOV  COUNT,#4                  ;OFF TIME
      NOP
      NOP
LOOP_OFF:
      CLR   H_DRIVE
      NOP
      SETB  L_DRIVE
      NOP
      DJNZ  COUNT,LOOP_OFF
      MOV  COUNT,#10          ;ON TIME
LOOP_ON:
      CLR   L_DRIVE
      NOP
      SETB  H_DRIVE
      NOP
      DJNZ  COUNT,LOOP_ON
      RET
;-------------------------------------------------------------------------------------------
TIMER0:
EXINT1:
EXINT0:
TIMER1:


SERIAL:
      RETI
```