```
ORG 0000H
                    RESET:MOV 30H,#0H
                    MOV 31H,#0H
                    MOV 32H,#0H
                    MOV A,#0FFH
                    MOV P2,A
                    CLR A

START:JNB P2.0, START
 JUMPT:MOV A,32H
   LCALL DELAY
      JB P2.1,RESET
       ADD A,#1
       DA A
         MOV 32H,A
          CJNE A,#60H,JUMPT
             JB P2.1,RESET
              MOV 32H,#0H
                MOV A,31H
                   ADD A,#1
                     DA A
                       MOV 31H,A
          CJNE A,#60H, JUMPT
             JB P2.1,RESET
             MOV 31H,0
              MOV A,30H
               ADD A,#1
                 DA A
                   MOV 30H,A
```

```
CJNE A,#24H,JUMPT
        SJMP RESET
DELAY:
MOV R1,#0AH
        J2:MOV R2,#0AH
        J1:NOP
        NOP
        DJNZ R2,J1
        DJNZ R1,J2
        RET
END
```

```
        MOV 33H, #0

        CLR P1.3
        CLR P1.7
        CLR P1.6
        SETB P1.5
        CLR P1.4

        SETB P1.2
        CLR P1.2
```

```
CALL delays
SETB P1.2
CLR P1.2

SETB P1.7
SETB P1.2
CLR P1.2
CALL delays
CLR P1.7
CLR P1.6
CLR P1.5
CLR P1.4

SETB P1.2
CLR P1.2

SETB P1.6
SETB P1.5

SETB P1.2
CLR P1.2

CALL delays

CLR P1.7
CLR P1.6
CLR P1.5
```

```
        CLR P1.4
SETB P1.2
        CLR P1.2

        SETB P1.7
        SETB P1.6
        SETB P1.5
        SETB P1.4

        SETB P1.2
        CLR P1.2

        CALL delays

        SETB P1.3
        MOV R1, #30H
repeat:
        MOV A, @R1
        JZ last
        CALL sendtime
        INC R1
        JMP repeat

last:
        JMP $


sendtime:
        MOV C, ACC.7
```

```
        MOV P1.7, C
        MOV C, ACC.6
        MOV P1.6, C
        MOV C, ACC.5
        MOV P1.5, C
        MOV C, ACC.4
        MOV P1.4, C

        SETB P1.2
        CLR P1.2

        MOV C, ACC.3
        MOV P1.7, C
        MOV C, ACC.2
        MOV P1.6, C
        MOV C, ACC.1
        MOV P1.5, C
        MOV C, ACC.0
        MOV P1.4, C

        SETB P1.2
        CLR P1.2

        CALL delays

delays:
        MOV R0, #50
        DJNZ R0, $
        RET
```