

```
1.  MOV  R7,#9H
AG1: MOV  P2,#00
AG:  LCALL DELAY
      INC  P2
      MOV  A,P2
      CJNE A,#0AH,AG
      SJMP AG1
      RET

2.  JNB  P0.0,ZE
      MOV  P2,#01
      RET
ZE:  MOV  P2,#00
      RET

3.  MOV  A,P0
      MOV  20H,#00
R1:  RL
      JNC  R2
      INC  20H
R2:  DJNZ R7,R1
      MOV  P2,20H
      RET

4.  MOV  A,P0
      RR  A
      JNC  XX
      MOV  P2,#01
      RET
XX:  MOV  P2,#00
      RET

5.  MOV  R6,#9
      MOV  P2,#00
LO:  MOV  R7,P0
      DJNZ R7,$
      INC  P2
      DJNZ R6,LO
      RET

6.  MOV  A,P0
      CLR  C
      SUBB A,#50H
      JNC  BIG
      MOV  P2,#00111100B
      RET
BIG: MOV  P2,#00111111B
      RET
```

```

7.  MOV  A,P0
    ANL  A,#00000011B
    CJNE A,#03,XX
    MOV  P2,#2
    SJMP SOF
XX:  MOV  P2,#00
SOF: RET

```

פתרון תרגילים-איור 2

```

1.  MOV  R7,#9
    MOV  P2,#00
ST:  LCALL DEL
    INC  P2
    DJNZ R7,ST
    RET

```

```

2.  MOV  A,#01
    MOV  R7,#7
DD:  MOV  P2,A
    LCALL DEL
    RL   A
    ADD  A,#1
    DJNZ R7,DD
    RET

```

```

3.  MOV  A,P0
    CPL  A
    MOV  P2,A
    RET

```

```

4. AG: MOV  R7,P0
    MOV  P2,#00
    DJNZ R7,$
    MOV  R7,P0
    MOV  P2,#0FFH
    DJNZ R7,$
    SJMP AG
    RET

```

```

5.  MOV  A,P0
    MOV  R0,#00
    MOV  R7,#8
WW:  RL   A
    JC   DA
    INC  R0
DA:  DJNZ R7,WW
    MOV  A,R0
    SWAP A
    MOV  P2,A
    RET

```

```

6.    MOV    A,P0
      ANL    A,#0FH
      MOV    R7,A
      MOV    R6,#80
      MOV    A,#01
AGA:  MOV    P2,A
      MOV    20H,R7
      DJNZ   20H,$
      RL     A
      DJNZ   R6,AGA
      RET

```

```

7.
SS:   MOV    A,P0
      CJNE   A,#00,SS1
      SJMP   SS
SS1:  JNB    P0.0,SS2
      SETB   P2.0
SS2:  JNB    P0.1,SS3
      SETB   P2.1
SS3:  JNB    P0.2,SS4
      SETB   P2.2
SS4:  JNB    P0.3,SS5
      SETB   P2.3
SS5:  JNB    P0.4,SS6
      SETB   P2.4
SS6:  JNB    P0.5,SS2
      SETB   P2.5
SS7:  JNB    P0.6,SS8
      SETB   P2.6
SS8:  JNB    P0.7,SS
      SETB   P2.7
      RET

```