

```

1.      MOV SI,1000H
        MOV CH,20H
        MOV CL,4
        XX: MOV AL,[SI]
          ROR AL,CL
          INC SI
          DEC CH
          JNZ XX
          RET
    
```

```

2.      MOV SI,2000H
        MOV BX,[SI]
          ADD SI,2
        MOV CX,[SI]
        MOV AL,00
        MOV AH,0FFH
        XX: MOV [BX],AX
          INC BX
          INC BX
          LOOP XX
          RET
    
```

2000:00H
2001:10H
2002:50H
2003:00H
תוכן התאים 2000 עד
. 2003

```

3.      MOV BX,500H
        MOV CX,20H
        MOV SI,800H
        MOV DI,1000H
        WW: MOV AL,[BX]
          ROR AL,1
          JNC EVEN
          ROL AL,1
          MOV [SI],AL
          INC SI
          JMP CONT
        EVEN: ROL AL,1
          MOV [DI],AL
          INC DI
        CONT: LOOP WW
          RET
    
```

```

4.      MOV SI,1000H
        MOV AH,50H
        MOV CL,8
        START: MOV BX,[SI]
          ROL BX,CL
          MOV [SI],BX
          INC SI
    
```

```

INC SI
DEC AH
JNZ START
RET

```

```

5.    MOV BX,500H
      MOV AL,00
      MOV CX,10H
AGAIN: ADD AL,[BX]
      DAA
      INC BL
      LOOP AGAIN
      RET

```

א. מכתובת 500h ישנם נתונים בקוד b.c.d
 ב. כיצד תשתנה התוכנית אם נעביר את ההוראה
 daa אחרי ההוראה . loop again .

```

6.    MOV SI,1000H
      MOV DI,2000H
      MOV AH,00
      MOV AL,30H
BEGIN: CMP AL,[SI]
      JNC WW
      INC AH
      WW: INC SI
      CMP SI,1050H
      JNE BEGIN
      MOV [DI],AH
      RET

```

```

7.    MOV SI,1000H
      MOV DI,2000H
      MOV CX,50H
      AA: MOV AL,[SI]
      XCHG [DI],AL
      INC SI
      INC DI
      LOOP AA
      RET

```

```

9.    MOV SI,1000H
      MOV CX,05H
      XX: MOV AL,00
      MOV AH,10H
      LO: MOV [SI],AL
      INC SI
      DEC AH
      JNZ LO
      LOOP XX
      RET

```

```

8.    MOV SI,500H
      MOV AL,00
      MOV CX,50H
START: CMP AL,[SI]
      JNE DALEG
      INC AL
      DALEG: INC SI
      LOOP START
      RET

```

בהצלחה !!!!