计组11

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第一题

程序代码

```
MOV CX, 8
MOV SI, 200
MOV DI, 301
XXX:
    MOV AL, [SI]
    MOV [DI], AL
    INC SI
    INC SI
    INC DI
    INC DI
    DEC CX
    JNZ XXX
INT 3
```

运行结果

```
-d 300
073F:0300  00 00 00 02 00 04 00 06-00 08 00 0A 00 0C 00 0E   ................
073F:0310  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0320  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0330  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0340  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0350  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0360  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0370  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
```

第二题

程序代码

```
MOV CX, 8
MOV SI, 207
MOV DI, 209
XXX:
    MOV AL, [SI]
    MOV [DI], AL
    DEC SI
    DEC DI
    DEC CX
    JNZ XXX
INT 3
```

运行结果

运行前：

```
-d 200
073F:0200   00 01 02 03 04 05 06 07-08 09 0A 0B 0C 0D 0E 0F   ................
073F:0210   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0220   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0230   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0240   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0250   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0260   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0270   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
```

运行后：

```
073F:0200   00 01 00 01 02 03 04 05-06 07 0A 0B 0C 0D 0E 0F   ................
073F:0210   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0220   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0230   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0240   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0250   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0260   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0270   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
```

第三题

程序代码

```
MOV CX, 4
MOV SI, 200
MOV DI, 207
XXX:
    MOV AL, [SI]
    XCHG AL, [DI]
    MOV [SI], AL
    INC SI
    DEC DI
    DEC CX
    JNZ XXX
INT 3
```

运行结果

运行前：

```
-d 200
073F:0200   00 01 02 03 04 05 06 07-00 00 00 00 00 00 00 00   ................
073F:0210   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0220   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0230   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0240   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0250   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0260   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0270   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
```

运行后：

```
-d 200
073F:0200   07 06 05 04 03 02 01 00-00 00 00 00 00 00 00 00   ................
073F:0210   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0220   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0230   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0240   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0250   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0260   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
073F:0270   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
```

第四题

程序代码

```
MOV BX, 200
MOV CX, 8
MOV DI, 210
XXX:
    MOV AL, [DI]
    XLAT
    MOV [DI], AL
    INC DI
    DEC CX
    JNZ XXX
INT 3
```

运行结果

运行前：

```
-d 200
073F:0200   30 31 32 33 34 35 36 37-38 39 00 00 00 00 00 00    0123456789......
073F:0210   02 00 02 00 01 01 01 06-00 00 00 00 00 00 00 00    ................
073F:0220   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0230   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0240   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0250   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0260   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0270   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
```

运行后：

```
-d 200
073F:0200   30 31 32 33 34 35 36 37-38 39 00 00 00 00 00 00    0123456789......
073F:0210   32 30 32 30 31 31 31 36-00 00 00 00 00 00 00 00    20201116........
073F:0220   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0230   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0240   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0250   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0260   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
073F:0270   00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00    ................
```