```
and aligh; al=89h of=Pf=5F=U=0 and aligh; al=12h of=Cf=Pf=1 Sf=2f=0.

and aligh; al=at Sf=Pf=1 Cf=2f=0F=0

cmp al, both; al=at Sf=Pf=Cf=1 Zf=0F=0

sub aligh; al=0 Zf=0 Zf=0

dec aligh; al=0 Zf=0

inc; aligh; al=0 Zf=0

Zf=0

Zf=0

Zf=0

Zf=0

Zf=0
```

- 1) Add dx bx
 - (1) add al .. [bxf si]
 - (1) add exi tbxf ab2h]:
 - 14) add word per Cos20], 3412.
 - (5). add al, oao

```
O bx = table有效地址ea, bx=200H
 Z.1 解: 11 AX= 1200
                             (2) ax= 100
                               Bale ds: [butal] al =1211
         13) ax = 4C2A
         (4). ax = 3412
                                 mov ax , 80574 3 ax 2 80574
                               Push ax ; 50 12 , 1200 00000
         (5) ax=4CLAB
                                          1 = 100 2200 00Bb
                                1=75 = FF
         (b) ax = 7856
                                 mov ax, 0 + 79h; ax & 0 + 19h

push ax; sp-2 - 220200000
         17) ax= 65 B7.
                            1865
2-2. 11) Il ZXX dx
                         (1) 印磁作并数数
                                    Pop bx; bx ec of 19, spt)
    131 不能将直接数 mov 主段号存器
    (4) 两个操作数形能是段号介容
                                    POP [bx]; PS:[0+77] € 8057/ ,59+2-
   15) miv al $9 21. 7 255
   (6) 電存器间接寻址只能用以,即, si,di
   (7) 缺少方指号
                                                              2200 200 BO
```

(1)

```
DATAS SEGMENT
    ;此处输入数据段代码
DATAS ENDS
STACKS SEGMENT
    ;此处输入堆栈段代码
STACKS ENDS
CODES SEGMENT
   ASSUME CS:CODES,DS:DATAS,SS:STACKS
START:
   MOU AX, DATAS
   MOU DS,AX
    xor ah, ah;将ah清空
   mov al,10
   mov bx,ax
   mov cl,3
   shl ax,cl
    add ax,bx
    add ax,bx
   MOV AH, 4CH
    INT 21H
CODES ENDS
   END START
```

表 1 t2.13(1)

(2)

```
01 DATAS SEGMENT
92 ;此处输入数据段代码
93 DATAS ENDS
04
05 STACKS SEGMENT
96 ;此处输入堆栈段代码
97 STACKS ENDS
                                                                                           DOSBox 0.74, Cpu speed: 3000 cycles, Frames... —
                                                                                           -r
AX=FFFF BX=0000 CX=000E DX=0000 SP=0000 BP=0000 SI=0000 DI=0000
DS=0760 ES=0760 SS=076F CS=0770 IP=0000 NU UP EI PL NZ NA PÛ NC
0770:0000 B87007 MOU AX,0770
09 CODES SEGMENT
10
              ASSUME CS:CODES,DS:DATAS,SS:STACKS
                                                                                            XX=0770 BX=0000 CX=000E DX=0000 SP=0000 BP=0000 SI=0000 DI=0000 DI=0000 DI=0000 DI=0000 DX=0760 ES=0760 SX=0760 CX=0700 IP=0003 NU UP EI PL NZ NA PU NC PY70:0003 BEBB MDU DS:AX
12
              MOU AX, DATAS
13
               MOU DS,AX
14
               mov ax,'0'
                                                                                            NX-9770 BX-9000 CX-900E DX-9000 SP-9000 BP-9090 SI-9000 DI-9000
NX-9770 EX-9760 EX-976F CX-9770 IP-9095 NV UP EI PL NZ MA PO NC
9770-9005 B839000 MOU AX,0630
15
              sub al,30h
16
              MOV AH, 4CH
17
              INT 21H
18 CODES ENDS
                                                                                             X=0030 BX=0000 CX=000E BX=0000 SP=0000 BP=0000 SI=0000 DI=0000
S=0770 ES=0760 SS=076F CS=0770 IP=0000 NU UP EI PL NZ NA PU NC
7720-0000 ZG30 SUB AL,30
19
              END START
                                                                                             X=0000 BX=0000 CX=000E DX=0000 SP=0000 BP=0000 SI=0000 DI=0000
S=0770 ES=0760 SS=076F CS=0770 IP=0000 NU UP EI PL ZR NA PE NC
770:0000A B44C MDU AH.4C
```

表 2 t2.13(2)

(3)

```
01 DATAS SEGMENT
02 ;此处输入数据段代码
03 DATAS ENDS
05 STACKS SEGMENT
    ;此处输入堆栈段代码
06
07 STACKS ENDS
08
09 CODES SEGMENT
    ASSUME CS:CODES,DS:DATAS,SS:STACKS
10
11 START:
     MOU AX, DATAS
12
13
      MOU DS, AX
      mov cx, 4; 设置循环次数为 4
14
15
      loop1:
      shr\ dx, 1 ; 将 ax\ 右移 -位 rcr\ ax, 1 ; 将 dx\ 右移 -位,同时将 ax\ 的最高位移入\ dx\ 的最低位
16
17
       loop loop1
18
19
       MOU AH, 4CH
20
      INT 21H
21 CODES ENDS
22
       END START
23
```

表 32.13(3)

2.14

```
01 DATAS SEGMENT
            ;此处输入数据段代码
02
03 DATAS ENDS
04
05 STACKS SEGMENT
06
            ;此处输入堆栈段代码
07 STACKS ENDS
80
                                                                                 DOSBox 0.74, Cpu speed: 3000 cycles, Frames...
09 CODES SEGMENT
            ASSUME CS:CODES,DS:DATAS,SS:STACKS
10
                                                                                    =FFFF BX=0000 CX=000D DX=0000 SP=0000 BP=0000 S1=0000 D1=0000 = 0700 ES=0760 SS=0767 CS=0770 IP=0000 NU UP EI PL NZ NA PO NC
11 START:
            MOU AX, DATAS
12
                                                                                                                     SP=0000 BP=0000 SI=0000 DI=0000 IP=0003 NU UP EI PL NZ NA PO NC
13
             MOU DS, AX
14
             mov al, 0F7h
             sar al, 1; 商是-5, fb是-5
15
                                                                                                                    SP=0000 BP=0000 SI=0000 DI=0000
IP=0005 NU UP EI PL NZ NA PO NC
16
17
            MOU AH, 4CH
18
            INT 21H
                                                                                                                     SP=0000 BP=0000 SI=0000 DI=0000
IP=0007 NU UP EI PL NZ NA PO NC
19 CODES ENDS
             END START
20
                                                                                      7FB BX-0000 CX-000D DX-0000 SP-0000 BP-0000 SI-0000 DI-0000
DX-0700 SS-0766 SS-0766 FDS-0770 IP-0009 NU UP EI NG NZ AC PU CY
10009 B446 NU AH,4C
21
DATAS SEGMENT
       ;此处输入数据段代码
DATAS ENDS
STACKS SEGMENT
       ;此处输入堆栈段代码
STACKS ENDS
CODES SEGMENT
       ASSUME CS: CODES, DS: DATAS, SS: STACKS
START:
       MOU AX, DATAS
       MOU DS, AX
                                                                                 DOSBox 0.74, Cpu speed: 3000 cycles, Frames...
        ;mov al, OF7h
        ;sar al, 1;商是-5,fb是-5
                                                                                    9770 BX=6000 CX=0011 DX=0000 SP=0000 BP=6000 SI=6000 DI=6000

9770 ES=6766 SS=6766 CS=69770 IP=6005 NU UP EI PL NZ NA PÛ NC

6:0005 B362 MOU BL,02
       mov b1, 2
       mov al, 0F7h
                                                                                    :0770 BX=0002 CX=0011 DX=0000 SP=0000 BP=0000 SI=0000 DI=0000
:0770 BX=0760 SX=0766 CX=0770 IP=0007 NU UP EI PL NZ NA PU NC
!0:0007 BDF7 MDU AL.F?
       mov ah, 0
       idiv bl;商是123,7b是123,余数是1
       MOU AH, 4CH
                                                                                  X=67F7 BX=6062 CX=6011 DX=6060 SP=6060 BP=6060 SI=6060 DI=6060 S=67F0 ES=67F6 SS=67F6 ES=67F6 P=6069 NU UP EL PL NZ NA PO NC PC-60609 B4060 HIQU All,60
       INT 21H
CODES ENDS
                                                                                     00F7 BX-0002 CX-0011 DX-0000 SP-0000 BP-0000 SI-0000 DI-0000
0770 BX-0760 SX-0767 CX-0770 IP-000B NU UP EI PL NZ NA PO NC
1:000B FGF8
       END START
                                                                                    017B BX-006Z CX-0011 DX-0000 SP-0000 BP-0000 SI=0000 DI=0000
0770 ES-0760 SS-076F CS-0770 IP-000D NU UP EI PL NZ NA PO NC
0:000D B4G CS
```