

第四周作业

3.14

```
mov bx,ds:[2000h]
mov ax,es:[bx]
```

3.15

1. 和为74D4H;SF=0, ZF=0, CF=0, OF=0
2. 和为A5C1H;SF=1, ZF=0, CF=0, OF=1
3. 和为3240H;SF=0, ZF=0, CF=1, OF=0
4. 和为0000H;SF=0, ZF=1, CF=1, OF=0

3.16

1. 差为C754H; SF=1, ZF=0, CF=1, OF=0
2. 差为12B0H; SF=0, ZF=0, CF=0, OF=0
3. 差为45B0H; SF=0, ZF=0, CF=0, OF=1
4. 差为9F24H; SF=1, ZF=0, CF=0, OF=0

3.17

- 1.

```
MOV AX,Z
SUB AX,X
ADD AX,W
MOV Z,AX
```

- 2.

```
MOV AX,R
ADD AX,9
SUB W,AX
MOV AX,X
ADD AX,6
SUB W,AX
MOV W,AX
MOV Z,AX
```

3.

```
ADD Y,6
MOV AX,W
IMUL X
IDIV Y
MOV Z,AX
MOV R,DX
```

4.

```
MOV AX,W
SUB AX,X
CWD
MOV BX,5
IDIV BX
IMUL Y
SHL AX,1
RCL DX,1
MOV Z,AX
```

3.23

1. (BX)=9AH, CF = 0,OF = 0,AF无定义, SF=1, ZF=0, PF=1
2. (BX)=61H, CF = 0,OF = 0,AF无定义, SF=0, ZF=0, PF=0
3. (BX)=0FBH, CF = 0,OF = 0,AF无定义, SF=1, ZF=0, PF=0
4. (BX)=1CH, CF = 0,OF = 0,AF无定义, SF=0, ZF=0, PF=0
5. (BX)=00H, CF = 0,OF = 0,AF无定义, SF=0, ZF=1, PF=1
6. (BX)=0E3H, CF = 0,OF = 0,AF无定义, SF=1, ZF=0, PF=0

3.26

答：程序将DX, AX左移4位(扩大16倍), 再将DL与未扩大的AX中的AH部分做或运算, 结果放回DL中