计组17

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第一题

主程序

```
mov ax, 351c
int 21
mov [0200], bx
mov [0202], es
mov dx, 0300
mov ax, 251c
int 21
mov al, [0205]
cmp al, ff
jnz 0128
mov al, 00
mov [0205], al
mov dx, 0206
mov ah, 09
int 21
mov ah, 0b
int 21
cmp al, 00
jz 0115
lds dx, [0200]
mov ax, 251c
int 21
int 20
```

中断程序

```
push ax
mov al, [0204]
inc al
mov [0204], al
cmp al, 12
jnz 035b
mov al, 00
mov [0204], al
mov al, ff
mov [0205], al
mov al, [020a]
inc al
mov [020a], al
cmp al, 3a
jnz 035b
mov al, 30
mov [020a], al
mov al, [0209]
inc al
mov [0209], al
```

```
cmp al, 36
jnz 035b
mov al, 30
mov [0209], al
mov al, [0207]
inc al
mov [0207], al
cmp al, 3a
jnz 035b
mov al, 30
mov [0207], al
mov al, [0206]
inc al
mov [0206], al
cmp al, 36
jnz 035n
mov al, 30
mov [0206], al
pop ax
iret
```

第二题

主程序

```
mov ax, 356b
int 21
mov [0200], bx
mov [0202], es
mov dx, 0210
mov ax, 256b
int 21
mov ah, 01
int 21
cmp al, 71
jz 013e
cmp al, 71
jnz 012a
mov al, ff
mov [0208], al
int 6b
jmp 0135
cmp al, 62
jnz 0115
mov al, 00
mov [0208], al
int 6b
mov dx, 0204
mov ah, 09
int 21
jmp 0115
lds dx, [0200]
mov ax, 256b
```

子程序

```
push ax
mov al, [0200]
cmp al, ff
jnz 022b
mov al, [0204]
inc al
mov [0204], al
cmp al, 3a
jnz 0240
mov al, [0204]
dec al
mov [0204], al
cmp al, 2f
jnz 0240
mov al, 39
mov [0204], al
pop ax
iret
```