

chapter 9

实验8

可以正常返回，因为 `jmp short s1` 翻译为机器码后只有偏移的距离

实验9

代码

```
1  assume cs:code,ds:data,ss:stack
2
3  stack segment
4      db 128 dup(0)
5  stack ends
6
7  data segment
8
9      db 'welcome to masm!'
10     db 00001010B
11     db 00101100B
12     db 01111001B
13
14 data ends
15
16 code segment
17 start:
18
19     mov ax,data
20     mov ds,ax
21     mov ax,0b800h
22     mov es,ax
23
24     mov si,0
25     mov bx,16
26     mov di,160*10+2*30
27
28
29     mov cx,3
30 showRow:
31     push bx
32     push cx
33     push si
34     push di
35
36     mov cx,16
37     mov ah,ds:[bx]
38 show:
39     mov al,ds:[si]
40
```

```

41     mov es:[di],ax
42
43     inc si
44
45     add di,2
46
47     loop show
48
49
50     pop di
51     pop si
52     pop cx
53     pop bx
54
55     inc bx
56     add di,160
57     loop showRow
58
59     mov ax,4c00h
60     int 21h
61 code ends
62
63 end start

```

截屏

```

DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
Z:\>c:
C:\>MASM 1.asm:
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.

51622 + 464922 Bytes symbol space free

0 Warning Errors      welcome to masm!
0 Severe Errors      welcome to masm!
                     welcome to masm!
C:\>LINK 1.obj;
Microsoft (R) Overlay Linker Version 3.60
Copyright (C) Microsoft Corp 1983-1987. All rights reserved.

LINK : warning L4021: no stack segment

C:\>debug 1.exe
-q
C:\>1
C:\>

```