PROGRAM 01:

```
File Edit Search View Options Help

.model small
.data
a db 10h,20h,30h,40h,50h
b db 11h,22h,33h,44h,55h
.code
mov ax,@data
mov ds,ax
lea si,a
lea di,b

mov cl,05h

back: mov al,[si]
xchg al,[di]
mov [si],al

inc si
inc di
loop back

mov ah,4ch
int 21h

F1=Help

Line:3 Col:1
```

```
C:\Masmbedit ex.asm

C:\Masmbedit (R) Macro Assembler Version 5.00

Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.

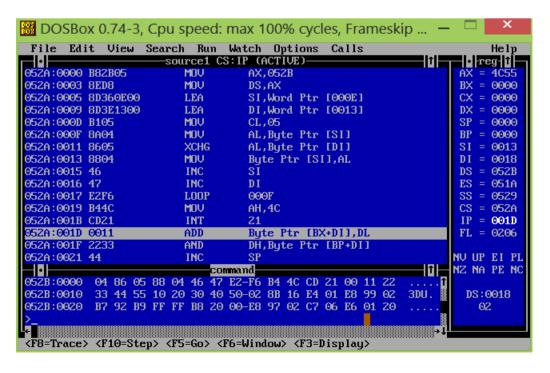
C:\Masmbedit (R) Overlay Linker Version 3.60

Copyright (C) Microsoft Corp 1983-1987. All rights reserved.

LINK: warning L4021: no stack segment

C:\Masmbedit (R) Overlay Linker Version 3.60

C:\Masmbedit (R) O
```



PROGRAM 02:

```
Bild DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, ... —
   File Edit Search View Options Help
                                    C:\MASM\AC.ASM
   .model small
  .data
     num1 db 00h,03h,42h,98h
     num2 db 07h,57h,13h,64h
                                                   :00034298
     res db 4 dup(?)
                                                   :07571364
   .code
     mo∨ ax,@data
     mov ds,ax
      mov si,03h
mov cl,04h
  deciadd: mov al,num1[si]
            adc al,num2[si]
            daa
            mov res[sil,al
            dec si
            loop deciadd
            mov ah,4ch
                                                             Line:8
                                                                          Col:25
F1=Help
DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, ... —
   File Edit Search View Options Help C:\MASM\AC.ASM
      num2 db 07h,57h,13h,64h
      res db 4 dup(?)
                                                   :00034298
                                                   :07571364
   .code
     mo∨ ax,@data
     mov ds,ax
      mov si,03h
mov cl,04h
      cle
  deciadd: mov al,num1[si]
adc al,num2[si]
            daa
            mov res[si],al
            dec si
            loop deciadd
mo∨ ah,4ch
int 21h
            end
                                                                            Col:25
F1=Help
                                                               Line:25
Billion DOSBox 0.74-3, Cpu speed:
                                        3000 cycles, Frameskip 0, ... -
C:\MASM>c:
C:\MASM>edit ac.asm
C:\MASM>masm ac ;;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981—1985, 1987. All rights reserved.
  51604 + 464940 Bytes symbol space free
      0 Warning Errors
      0 Severe
                  Errors
C:\MASM>link ac ::
Microsoft (R) Overlay Linker Version 3.60
Copyright (C) Microsoft Corp 1983–1987.  All rights reserved.
LINK : warning L4021: no stack segment
C:\MASM>ac ;;
 :: NMASM>
```

