Code:

```
data SEGMENT
a DB 09h
b DB 02h
c DW ?
data ENDS

code SEGMENT
ASSUME cs:code,ds:data
start: mov ax,data
        mov ds,ax

        mov al,a
        mov bl,b
        add al,bl
        mov c,ax

Code ENDS
END start
```

Output:

```
=[■]=CPU 80486============================================1=[↑][↓]=
  cs:0000 B8AD48          mov     ax,48AD      ▲   ax 4809    c=0
  cs:0003 8ED8            mov     ds,ax        ■   bx 0002    z=0
  cs:0005 A00000          mov     al,[0000]        cx 0000    s=0
  cs:0008 8A1E0100        mov     bl,[0001]        dx 0000    o=0
  cs:000C▶02C3            add     al,bl            si 0000    p=0
  cs:000E A30200          mov     [0002],ax        di 0000    a=0
  cs:0011 0000            add     [bx+si],al       bp 0000    i=1
  cs:0013 0000            add     [bx+si],al       sp 0000    d=0
  cs:0015 0000            add     [bx+si],al       ds 48AD
  cs:0017 0000            add     [bx+si],al       es 489D
  cs:0019 0000            add     [bx+si],al       ss 48AC
  cs:001B 0000            add     [bx+si],al       cs 48AE
  cs:001D 0000            add     [bx+si],al   ▼   ip 000C
◄■══════════════════════════════════════════▶

  es:0000 CD 20 FF 9F 00 EA FF FF  =  ƒ Ω
  es:0008 AD DE E0 01 C5 15 AA 01  ¡ ┃α☺┤§¬☺
  es:0010 C5 15 89 02 20 10 92 01  ┼§ë☻ ▶fi☺          ss:0002 6474
  es:0018 01 03 01 00 02 FF FF FF  ☺♥☺ ☻            ss:0000▶0000
```
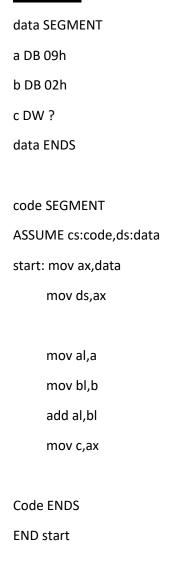
```
   ┌CPU 80486┐                                           ┌1┐
  cs:0000 B8AD48          mov     ax,48AD          ax 480B    c=0
  cs:0003 8ED8            mov     ds,ax            bx 0002    z=0
  cs:0005 A00000          mov     al,[0000]        cx 0000    s=0
  cs:0008 8A1E0100        mov     bl,[0001]        dx 0000    o=0
  cs:000C 02C3            add     al,bl            si 0000    p=0
  cs:000E A30200          mov     [0002],ax        di 0000    a=0
  cs:0011▶46              inc     si               bp 0000    i=1
  cs:0012 204946          and     [bx+di+46],cl    sp 0000    d=0
  cs:0015 205446   ┌[■]=Dump=================================2=[↑][↓]=┐
  cs:0018 205346    ds:0000 09 02 0B 48 00 00 00 00  ○☻♂H              ▲
  cs:001B 205A46    ds:0008 00 00 00 00 00 00 00 00                    ■
  cs:001E 202D      ds:0010 B8 AD 48 8E D8 A0 00 00  ¬ ¡Hñ┼á
  cs:0020 2D2041    ds:0018 8A 1E 01 00 02 C3 A3 02  è▲☺ ☻┼ú☻          ▼
                   ◄■════════════════════════════════════════════▶
  es:0000 CD 20 FF 9F 00 EA FF FF  =  ƒ Ω
  es:0008 AD DE E0 01 C5 15 AA 01  ¡ ┃α☺┤§¬☺
  es:0010 C5 15 89 02 20 10 92 01  ┼§ë☻ ▶fi☺          ss:0002 6474
  es:0018 01 03 01 00 02 FF FF FF  ☺♥☺ ☻            ss:0000▶0000
```