

.model small

.code

a db 30h

b db 25h

c db ?

.code

mov ax,@data

mov ds,ax

mov al,a

sub al,b

mov c,al

mov ah,4ch

int 21h

end

The screenshot shows the DOSBox 0.74-3 interface. The title bar reads "DOSBox 0.74-3, Cpu speed: max 100% cycles, Frameskip 0, Prog...". The menu bar includes File, Edit, View, Search, Run, Watch, Options, Calls, and Help. The main window is divided into several panes. The top pane shows the "local" source code with the following assembly instructions:

```
052A:0000 3025      XDR      Byte Ptr [DI],AH
052A:0002 00B82B05     ADD      Byte Ptr [BX+SI+052B1],BH
052A:0006 8ED8        MOV      DS,AX
052A:0008 2EA00000     MOV      AL,Byte Ptr CS:[00001]
052A:000C 2E2A060100   SUB      AL,Byte Ptr CS:[00011]
052A:0011 2EA20200     MOV      Byte Ptr CS:[00021],AL
052A:0015 B44C        MOV      AH,4C
052A:0017 CD21      INT      21
052A:0019 8CDA        MOV      DX,DS
052A:001B E8AB02      CALL     02C9
052A:001E B792        MOV      BH,92
052A:0020 B9FFFF      MOV      CX,FFFF
052A:0023 B84800     MOV      AX,0048
```

The right pane shows the register values:

```
AX = 0000
BX = 0000
CX = 0000
DX = 0000
SP = 0000
BP = 0000
SI = 0000
DI = 0000
DS = 051A
ES = 051A
SS = 0529
CS = 052A
IP = 0002
FL = 02B2
```

The bottom pane shows the "memory1 byte DS:0000 (ACTIVE)" with the following data:

```
051A:0000 CD 20 FF 9F 00 EA FF FF AD DE 6C 02 CD 03 32 03 . . . . .
051A:0010 CD 03 4B 0A CD 03 FF 04 01 01 01 00 02 03 FF FF ..K....
051A:0020 FF FF FF FF FF FF FF FF FF FF FF FF FF 10 05 72 22 . . . . .
```

The command pane shows the command ">S_" and the status bar at the bottom displays "<F8=Trace> <F10=Step> <F5=Go> <F6=Window> <F3=Display>".