



File Edit Format View Help

```
.model small
```

```
.data
```

```
    a dw 1200
```

```
    b dw 2345
```

```
    c dw 50
```

```
    d dw 100
```

```
    e dw ?
```

```
.code
```

```
    mov ax,@data
```

```
    mov ds,ax
```

```
    mov ax,a
```

```
    mov bx,b
```

```
    add ax,bx
```

```
    mov cx,c
```

```
    mov dx,d
```

```
    add cx,dx
```

```
    sub ax,cx
```

```
    mov e,ax
```

```
    mov ah,4ch
```

```
    int 21h
```

```
end
```



DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Progra...



File Edit Search View Options Help

C:\MASM\SAMPLE.ASM

```
.model small
.data
    a dw 1200
    b dw 2345
    c dw 50
    d dw 100
    e dw ?
.code
    mov ax,@data
    mov ds,ax

    mov ax,a
    mov bx,b
    add ax,bx
    mov cx,c
    mov dx,d
    add cx,dx
    sub ax,cx

    mov e,ax
    mov ah,4ch
    int 21h
```

F1=Help

Line:6

Col:64



DOSBox 0.74-3, Cpu speed: max 100% cycles, Frameskip 0, Prog...



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local

reg

source1 CS:IP (ACTIVE)

```

052A:0000 B82C05      MOV     AX,052C
052A:0003 8ED8          MOV     DS,AX
052A:0005 A10200          MOV     AX,Word Ptr [0002]
052A:0008 8B1E0400      MOV     BX,Word Ptr [0004]
052A:000C 03C3          ADD     AX,BX
052A:000E 8B0E0600      MOV     CX,Word Ptr [0006]
052A:0012 8B160800      MOV     DX,Word Ptr [0008]
052A:0016 03CA          ADD     CX,DX
052A:0018 2BC1          SUB     AX,CX
052A:001A A30A00          MOV     Word Ptr [000A],AX
052A:001D B44C          MOV     AH,4C
052A:001F CD21          INT     21
052A:0021 00B00429      ADD     Byte Ptr [BX+SI+2904],DH
052A:0025 0932          OR      Word Ptr [BP+SI],SI
052A:0027 006400          ADD     Byte Ptr [SI+00],AH
052A:002A 43           INC     BX

```

```

AX = 4C43
BX = 0929
CX = 0096
DX = 0064
SP = 0000
BP = 0000
SI = 0000
DI = 0000
DS = 052C
ES = 051A
SS = 0529
CS = 052A
IP = 0021
FL = 0202

```

```

NU UP EI PL
NZ NA PO NC

```

command

```

052C:0000 21 00 B0 04 29 09 32 00-64 00 43 0D 01 E8 99 02 ?!...
052C:0010 B7 92 B9 FF FF B8 20 00-E8 97 02 C7 06 E6 01 20 .....
>

```

```

DS:322D
0D

```

&lt;F8=Trace&gt; &lt;F10=Step&gt; &lt;F5=Go&gt; &lt;F6=Window&gt; &lt;F3=Display&gt;