

.model small

.data

a dw 2345h

b dw 4521h

d dw 1256h

c dw ?

.code

mov ax,@data

mov ds,ax

mov ax,a

add ax,b

sub ax,d

mov c,ax

mov ah,4ch

int 21h

end

The screenshot shows the DOSBox 0.74-3 interface. The main window displays assembly code in a list format. The registers window on the right shows the current state of the registers. The command window at the bottom shows the current command being executed.

Address	Hex	Assembly	Comment
052A:0000	BB2B05	MOV	AX,052B
052A:0003	8ED8	MOV	DS,AX
052A:0005	A10800	MOV	AX,Word Ptr [0008]
052A:0008	03060A00	ADD	AX,Word Ptr [000A]
052A:000C	2B060C00	SUB	AX,Word Ptr [000C]
052A:0010	A30E00	MOV	Word Ptr [000E],AX
052A:0013	B44C	MOV	AH,4C
052A:0015	CD21	INT	21
052A:0017	004523	ADD	Byte Ptr [DI+23],AL
052A:001A	214556	AND	Word Ptr [DI+56],AX
052A:001D	1200	ADC	AL,Byte Ptr [BX+SI]
052A:001F	00B9FFFF	ADD	Byte Ptr [BX+DI-0001],BH
052A:0023	B84800	MOV	AX,0048

Register	Value
AX	052B
BX	0000
CX	0000
DX	0000
SP	0000
BP	0000
SI	0000
DI	0000
DS	051A
ES	051A
SS	0529
CS	052A
IP	0003
FL	0202

Address	Hex	Assembly	Comment
051A:0000	CD 20 FF 9F 00 EA FF FF AD DE 6C 02 CD 03 32 03		NU UP EI PL
051A:0010	CD 03 4B 0A CD 03 FF 04 01 01 01 00 02 03 FF FF		NZ NA PO NC
051A:0020	FF FF FF FF FF FF FF FF FF FF FF FF 10 05 72 22		

Command
>S

At the bottom of the window, there are function key shortcuts: <F8=Trace> <F10=Step> <F5=Go> <F6=Window> <F3=Display>