

EXP5 - Notepad
File Edit Format View Help
.model small
.data

a dw 245h
b dw 25h
c dw 34h
d dw 56h
r1 dw ?
r2 dw ?
quo db ?
rem db ?

.code

```
mov ax,@data
mov ds,ax
mov ax,a
add ax,b
mov r1,ax
```

```
mov ax,c
add ax,d
mul r1 ; result stored in dx:ax pair
mov r1,ax
mov r2,ax
```

```
mov bx,b
add bx,d
mov ax,r1
mov dx,r2
div bx
```

```
mov quo,al          ; (a+b)*(c+d)/(b+d)
mov rem,ah          ;      a=245
mov ah,4ch          ;      b=25
int 21h             ;      c=34
end                 ;      d=50
```

source1 CS:IP (ACTIVE)														AX = 4D24
052A:002F	F7F3	DIU	BX											BX = 007B
052A:0031	A21800	MOV	Byte Ptr [0018],AL											CX = 0000
052A:0034	88261900	MOV	Byte Ptr [0019],AH											DX = 4D24
052A:0038	B44C	MOV	AH,4C											SP = 0000
052A:003A	CD21	INT	21											BP = 0000
052A:003C	45	INC	BP											SI = 0000
052A:003D	0225	ADD	AH,Byte Ptr [DI]											DI = 0000
052A:003F	0034	ADD	Byte Ptr [SI],DH											DS = 052D
052A:0041	005600	ADD	Byte Ptr [BP+00],DL											ES = 051A
052A:0044	244D	AND	AL,4D											SS = 0529
052A:0046	244D	AND	AL,4D											CS = 052A
052A:0048	0000	ADD	Byte Ptr [BX+SI],AL											IP = 002F
052A:004A	00E8	ADD	AL,CH											FL = 0006
052A:004C	7B02	JPO	0050											
052A:004E	B792	MOV	BH,92											NV UP DI PL
052A:0050	B9FF7F	MOV	CX,7FFF											NZ NA PE NC
Command														
052D:0000	F3 A2 18 00 88 26 19 00-B4 4C CD 21 45 02 25 00												
052D:0010	34 00 56 00 24 4D 24 4D-00 00 00 E8 7B 02 B7 92	4.U.\$												
>														