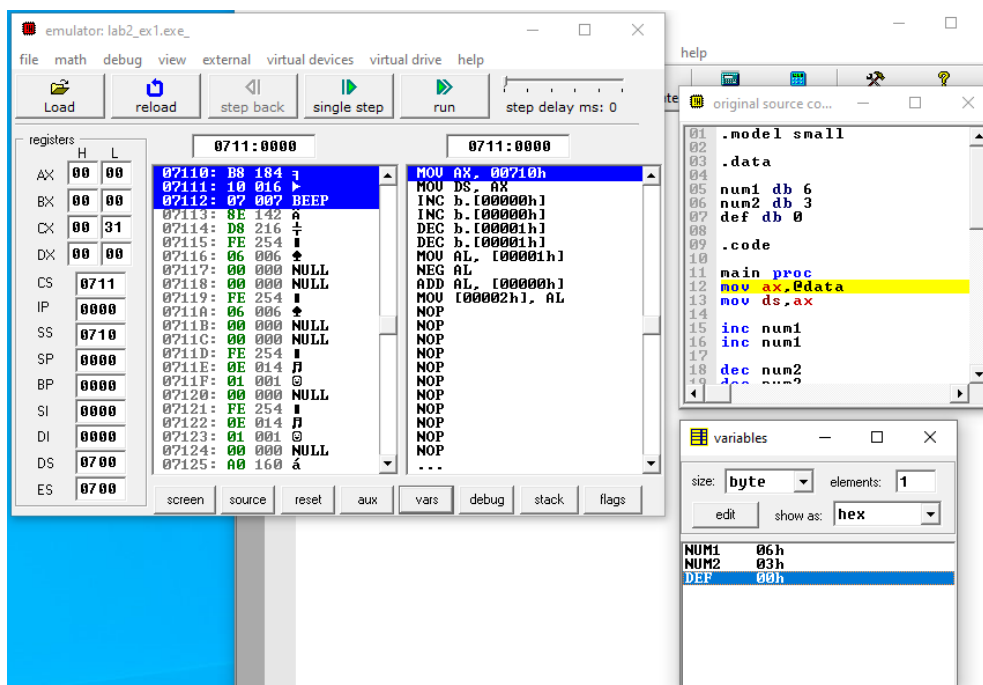


TEMA 1

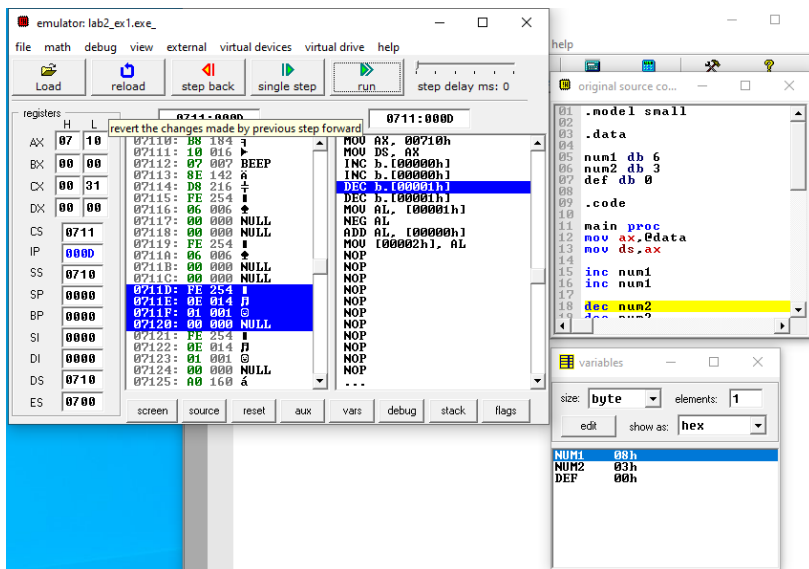
PMD Ex1

```
01 .model small
02
03 .data
04
05 num1 db 6
06 num2 db 3
07 def db 0
08
09 .code
10
11 main proc
12     mov ax, @data
13     mov ds, ax
14
15     inc num1
16     inc num1
17
18     dec num2
19     dec num2
20
21     mov al, num2
22     neg al
23     add al, num1
24     mov def, al
25
26 main endp
27 end
```

Aceste este programul propriu-zis, am declarat ca variabile num1 cu valoarea 6, num2 cu valoarea 3 si def cu valoarea 0, cea din urma variabila fiind pentru stocarea rezultatului final.

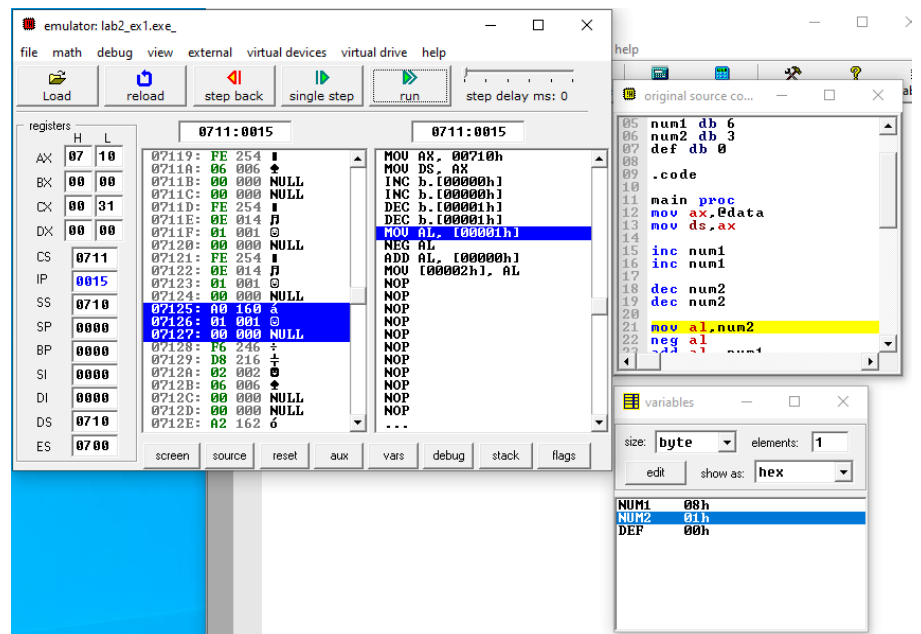


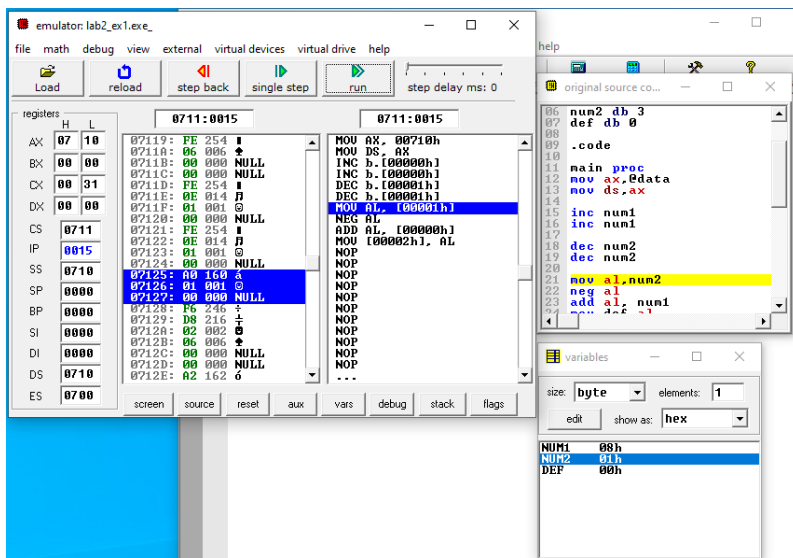
In aceasta secventa de rulare se incarca datele in registrul acumulator AX.



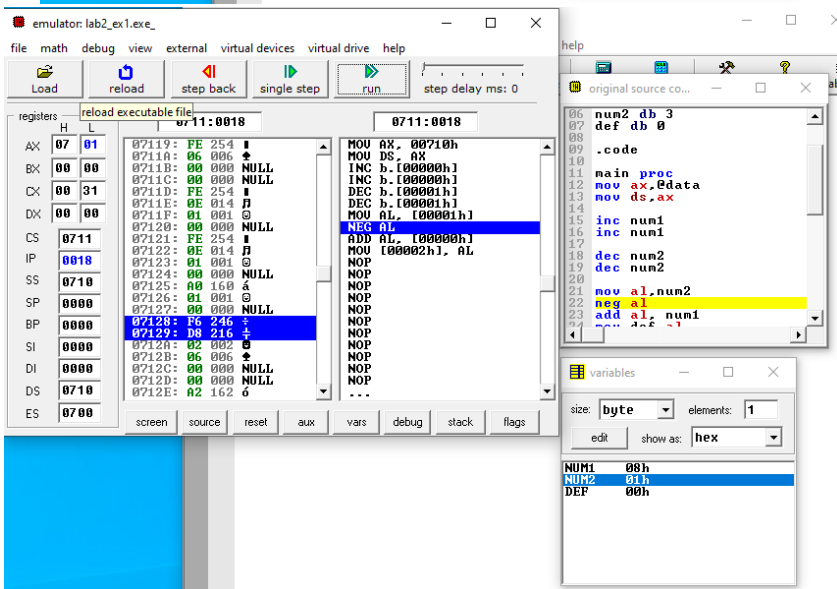
In aceasta secventa s-a facut de doua ori incrementarea variabilei num1, astfel ea are acum valoarea 8.

Aici s-a facut decrementarea variabilei num2 de 2 ori, astfel ea are acum valoarea 1.





Mutam num2 in registrul AL (A low) pentru convertirea lui in numar negativ.



Negam registrul AL.

Adunam la registrul AL si variabila num1.

