

Moisa Paula grupa 5403 EA

TEMA 1 MM

Interschimbarea a doua numere fara variabila auxiliara (asm)

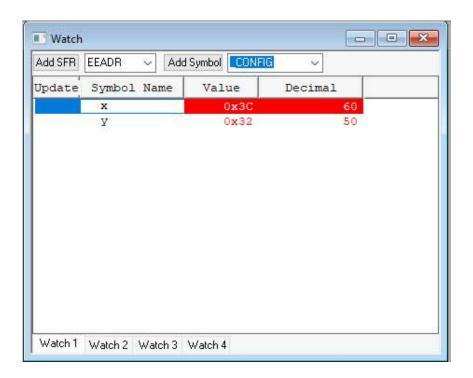
a) cu adunari si scaderi

```
#include pi6f84.inc>

x equ 0x20
y equ 0x21
main:

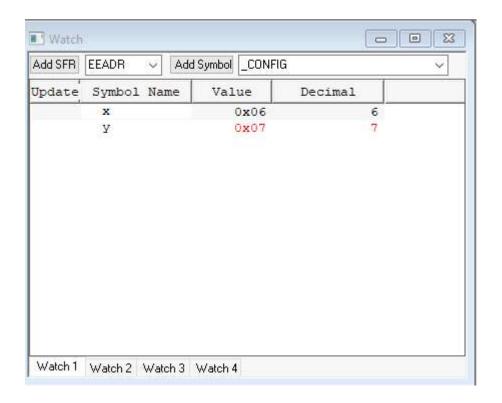
MOVLW D'50'
MOVWE x

MOVWE y
ADDWE x,1 ;x=x+y
MOVFW y;
SUBWE x,0; y=x-y
MOVWE y;
SUBWE x,1; x=x-y
NOP
end
```



b)cu XoR

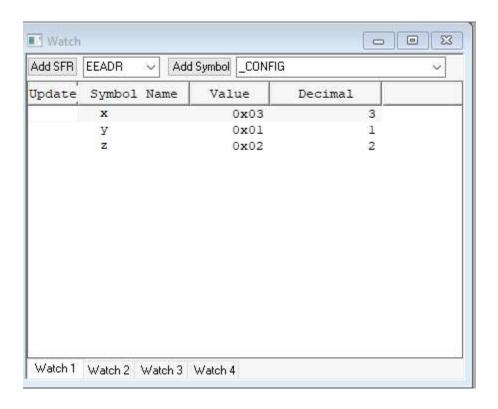
```
C:\Users\Paula\Documents\tema2.asm
       #include pl6f84.inc>
       x equ 0x20
       y equ 0x21
       main:
          MOVLW D'7'
          MOVWE X
          MOVEM D'E'
          MOVWE y
          XORWF x,1 ; x=x^y
          MOVEW x;
          XORWF y,1 ; y=y^x
          MOVEW Y;
          XORWF x,1 ; x=x^y
          NOP
          end
<
```



Tema de nota 7

Transfer de variabile : $x \rightarrow y$, $y \rightarrow z$, $z \rightarrow x$ 2 pasi: interschimbare x si y , apoi x si z a)ASM

```
C:\Users\Paula\Documents\tema2.asm
       #include <pl6f84.inc>
       x equ 0x20
       y equ 0x21
       z equ 0x22
       main:
         MOVLW D'1'
         MOVWE x
         MOVEM D'2'
         MOVWE y
         MOVLW D'3'
         MOVWF z
          ;interschimbare x si y
         MOVEW y
          ADDWF x,1
                    ;x=x+y
         MOVEW Y;
          SUBWF x, 0; y=x-y
         MOVWF y;
         SUBWF x,1; x=x-y
          ; x si z
         MOVEW z
          ADDWF x,1 ; x=x+y
         MOVEW z;
         SUBWF x, 0; y=x-y
         MOVWF z;
          SUBWF x,1; x=x-y
         NOP
          end
```



b)C#

