

# PRESENTACIÓN DE LABORATORIO NO. 1 MICROCONTROLADORES

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### PSEUDOCÓDIGO EJERCICIOS

### Punto 1:

 $aux1 \leftarrow 7$ 

 $aux4 \leftarrow aux1 + 3$ 

### Punto 2:

 $aux1 \leftarrow 8$ 

aux2 ← 10

 $aux4 \leftarrow aux1 + aux2$ 

### Punto 3:

 $aux1 \leftarrow 5$ 

W  $\leftarrow$  9 – aux1

### Punto 4:

 $aux1 \leftarrow 6$ 

### $aux2 \leftarrow 4$

 $aux4 \leftarrow aux2 - aux1$ 

### Punto 5:

 $aux1 \leftarrow 5$ 

 $W \leftarrow 4$ 

 $W \leftarrow aux1 \times W$ 

 $aux1 \leftarrow W$ 

### Punto 6:

 $aux1 \leftarrow 12$ 

aux2 ← 15

 $W \leftarrow aux1 \times aux2$ 

aux4  $\leftarrow$  PRODL(W)

### Punto 7:

 $aux1 \leftarrow 12$ 

aux1 ← NOT aux1 // complemento a uno

### Punto 8:

 $aux1 \leftarrow 12$ 

 $aux1 \leftarrow -aux1$ 

 $aux4 \leftarrow aux1$ 

### Punto 9:

 $aux1 \leftarrow 35$ 

W  $\leftarrow$  7 OR aux1

### PSEUDOCÓDIGO EJERCICIOS

### Punto 10:

 $aux1 \leftarrow 20$ 

aux2 ← 56

aux4 ← aux1 OR aux2

### Punto 11:

 $aux1 \leftarrow 62$ 

W  $\leftarrow$  aux1 AND 15

### Punto 12:

aux1 ← 100

aux2 ← 45

aux4 ← aux1 AND aux2

### **Punto 13:**

aux1 ← 120

W  $\leftarrow$  aux1 XOR 1

### Punto 14:

 $aux1 \leftarrow 17$ 

aux2 ← 90

aux4 ← aux1 XOR aux2

### **Punto 15:**

 $aux1 \leftarrow 25$ 

 $aux2 \leftarrow 40$ 

aux3 ← 103

### aux3 ← aux3 XOR 208

 $W \leftarrow aux1 OR aux2$ 

aux4 ← W AND aux3

#### Punto 16:

 $aux1 \leftarrow 18$ 

aux2 ← 60

aux3 ← 16

 $aux4 \leftarrow aux1 + aux2$ 

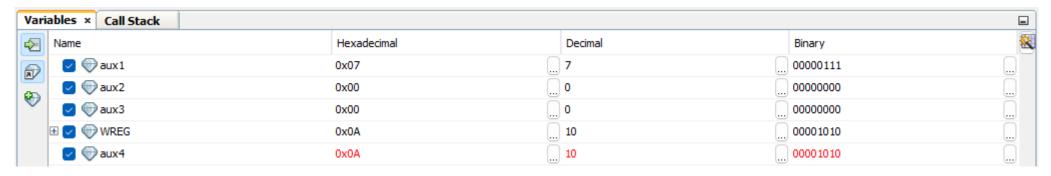
 $W \leftarrow aux3 - 26$ 

 $W \leftarrow -3 \times W$ 

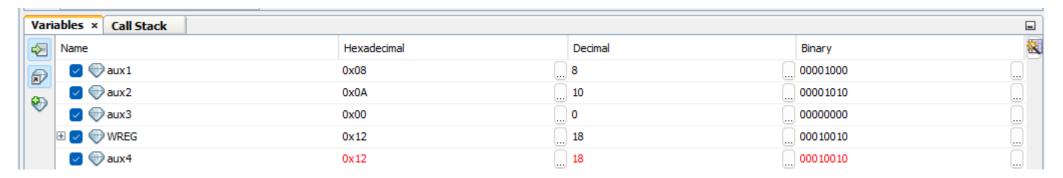
 $W \leftarrow PRODL(W)$ 

aux4 ← aux4 + W

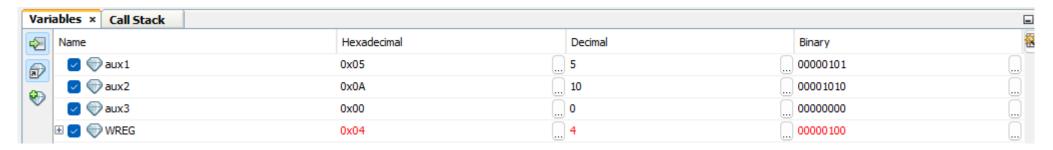
### Punto 1:



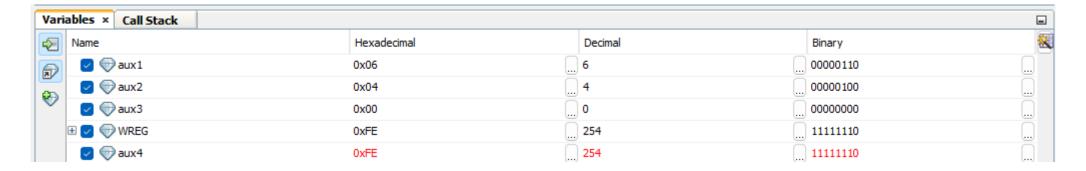
### Punto 2:



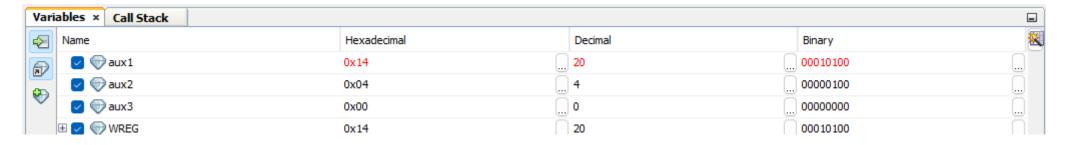
### Punto 3:



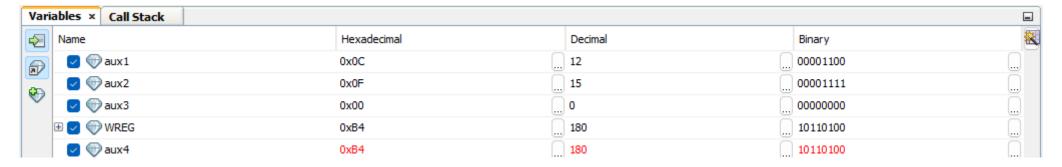
### Punto 4:



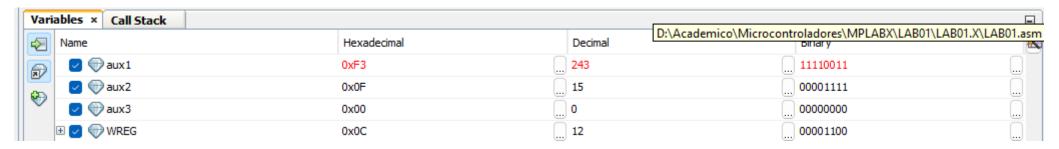
#### Punto 5:



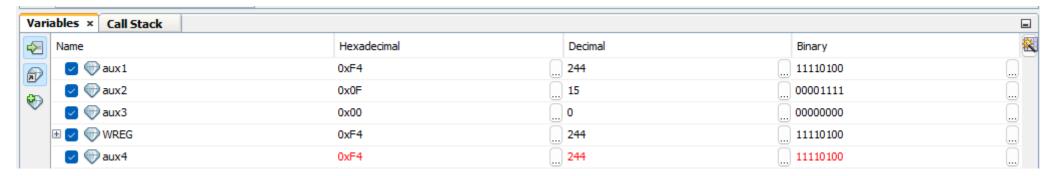
### Punto 6:



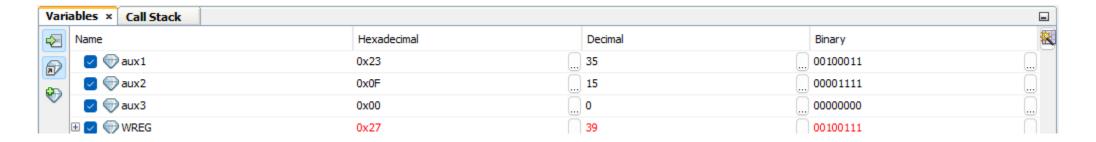
### Punto 7:



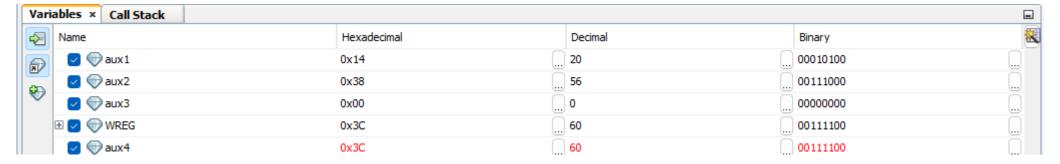
### Punto 8:



### Punto 9:



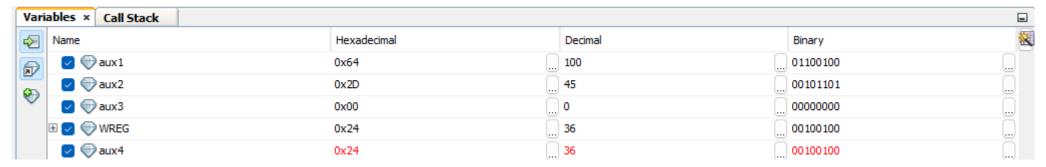
### Punto 10:



#### Punto 11:



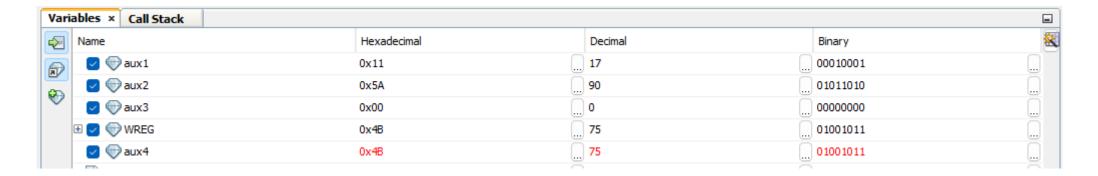
### Punto 12:



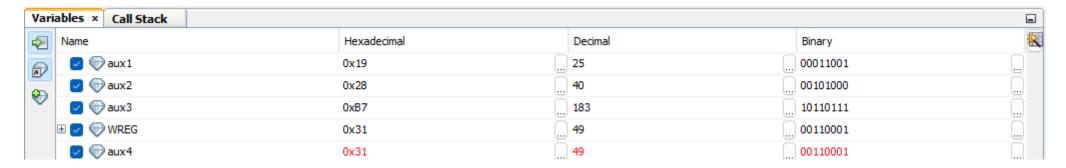
### Punto 13:



### Punto 14:



### Punto 15:



### Punto 16:

