

# Fundamentos Computacionales

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Resuelva:

The image shows a piece of grid paper with handwritten solutions to five programming exercises. The exercises involve arithmetic operations, variable assignments, and logical evaluations.

1)  $a = 10$   $b = 2$   $c = 1$   
 $x \leftarrow a * b + 1$   
 $x = 10 * 2 + 1$   
 $x = 20 + 1$   
 $x = 21$

2)  $a = 10$   $b = 2$   $c = 1$   
 $x \leftarrow a * b + 1$   
 $x = 10 * 2 + 1$   
 $x = 20 + 1$   
 $x = 21$

3)  $a = 10$   $b = 2$   $c = 1$   
 $x \leftarrow (a * b + 1) \leq 9$   
 $x = (10 * 2 + 1) \leq 9$   
 $x = (20 + 1) \leq 9$   
 $x = (21) \leq 9$

4)  $x \leftarrow (a * b + 1) \leq 9$  y verdadero o falso  
 $(10 * 2 + 1) \leq 9$  y verdadero o falso  
 $(20 + 1) \leq 9$   
 $(21) \leq 9$   
 $x = \text{false}$

5)  $x \leftarrow 10 * 2 + 1 * 10 - 1$   
 $x = 20 + 10 - 1$   
 $x = 20 + 9$   
 $x = 29$

$$6) a = F \quad b = V \quad c = F$$

$$x \leftarrow a \text{ o } b \text{ y } c$$

$$F \text{ o } V \text{ y } F$$

$$7) a = F \quad b = V \quad c = F$$

$$x \leftarrow (10 \times 1 - 2^2) \geq 10 \text{ y no } (a \text{ o } b \text{ y } c)$$

$$x = (10 - 4) \geq 10 \text{ y no}$$

$$x: 6 \geq 10 \text{ false y no remainder}$$

$$8) a = V \quad b = F$$

$$x \leftarrow ((a < > b) \text{ o } (a < = b))$$

$$x \leftarrow ((V < > F) \text{ o } (V < = F))$$

9)

$$x \leftarrow 20 + 40 \text{ DIV } (10 \times (4 \text{ DIV } 2))$$

$$x = 20 + 40 \div (10 \times (2))$$

$$x = 20 + 40 \div (20)$$

$$x = 60 \div 20$$

$$x = 3$$