

#Taller 2

1)

Si

$$a = 10$$

$$b = 2$$

$$c = 1$$

Determine el valor de x :

$$X \leftarrow a^b + 1$$

$$X \leftarrow 10^2 + 1$$

$$X \leftarrow 100 + 1$$

$$X \leftarrow 101$$

2)

Si

$$a = 10$$

$$b = 2$$

$$c = 1$$

Determine el valor de x :

$$X \leftarrow a * b + 1$$

$$X \leftarrow 10 * 2 + 1$$

$$X \leftarrow 20 + 1$$

$$X \leftarrow 21$$

3)

Si

$$a = 10$$

$$b = 2$$

$$c = 1$$

Determine el valor de x

$$x \leftarrow (a * b + c) \leq 9$$

$$x \leftarrow (10 * 2 + 1) \leq 9$$

$$x \leftarrow (20 + 1) \leq 9$$

$$x \leftarrow (21) \leq 9$$

4)

Si

$$a = 10$$

$$b = 2$$

$$c = 1$$

Determine el valor de x :

$$x \leftarrow (a * b + c) \leq 9 \text{ and true or false}$$

$$x \leftarrow (10 * 2 + 1) \leq 9 \text{ and true or false}$$

$$x \leftarrow (20 + 1) \leq 9 \text{ and true or false}$$

$$x \leftarrow (21) \leq 9 \text{ and true or false}$$

$$x \leftarrow \text{false and true}$$

$$x \leftarrow \text{false}$$

5) $X \leftarrow 10 * 2 + 1 * 10 - 1$

$X \leftarrow 20 + (-10)$

$X \leftarrow 10$

6)

$a = \text{false}$

$b = \text{true}$

$c = \text{false}$

$X \leftarrow a \text{ or } b \text{ and } c$

$X \leftarrow \text{false or "true and false"}$

$X \leftarrow \text{false or false}$

$X \leftarrow \text{false}$

7)

$a = \text{false}$

$b = \text{true}$

$c = \text{false}$

$X \leftarrow (10 * 1 - 2 ^ 2) >= 10 \text{ and not } (a \text{ or } b \text{ and } c)$

$X \leftarrow (10 - 4) >= 10 \text{ and not } (\text{false or true and false})$

$X \leftarrow (6) >= 10 \text{ and not } (\text{false or false})$

$X \leftarrow (6) >= 10 \text{ and not } (\text{false})$

$X \leftarrow \text{false and true}$

$X \leftarrow \text{false}$

8) o

a = true
b = false

X <- (a < b) or (a <= b)

X <- ((true < false) or (true <= false))

X <- ((true) or (false))

X <- (true)

9) X <- 20 + 40 Div (10 * (4 Div 2))

X <- 20 + 40 Div (10 * 2)

X <- 20 + 40 Div (20)

X <- 20 + 2

X <- 22