Realice el seguimiento a las siguientes instrucciones

1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Expresión | | a | b | c | m | Z |
| 1 | a=3 | 3 | -- | -- | -- | -- |
| 2 | b=-2 | 3 | -2 | -- | -- | -- |
| 3 | c=6 | 3 | -2 | 6 | -- | -- |
| 4 | a=(b++)-c | -7 | -2 | 6 | -- | -- |
| 5 | c=(--c)+a | -7 | -2 | -2 | -- | -- |
| 6 | m=a+b+c | -7 | -2 | -2 | -11 | -- |
| 7 | m=m+(c++) | -7 | -2 | -2 | -12 | -- |
| 8 | z=m+b+c+a | -7 | -2 | -2 | -12 | -23 |
| Valor Final | | -7 | -2 | -2 | -12 | -23 |

2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Expresión | | X | Y | Z | W | F |
| 1 | X=-8 | -8 | -- | -- | -- | -- |
| 2 | Y=20 | -8 | 20 | -- | -- | -- |
| 3 | Z=13 | -8 | 20 | 13 | -- | -- |
| 4 | Z= (X \* (-Y)) mod Y) + (--Z)  (-8\*(-20) mod 20)+ (13-1)  (-8 \* 0)+(12) | -8 | 20 | 12 | -- | -- |
| 5 | W=((8^2) DIV Y) – ((++X)+Z)  (8^2)div 20)-((-8+1)+12)  ( 64 div 20)-(5)  3-5 | -8 | 20 | 12 | -2 | -- |
| 6 | Z=Z +(--w)  12+(-2-1)  12+(-3) | -8 | 20 | 9 | -2 | -- |
| 7 | F=Z+W+(--X)+(Y--)  =9-2+(-8-1)+(20-1)  =7+(-9)+(19)  7-9+19 | -8 | 20 | 9 | -2 | 17 |
| 8 | F=F MOD X  17 mod (-8) | -8 | 20 | 9 | -2 | -7 |
|  | |  |  |  |  |  |

3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Expresión | | M | N | O | P | R |
| 1 | R=-3 | -- | -- | -- | -- | -3 |
| 2 | P= 12^0 | -- | -- | -- | 1 | -3 |
| 3 | N=21 | -- | 21 | -- | 1 | -3 |
| 4 | M=((--N) DIV P) \* (R+R)  ((21-1) div 1)\*(-3+(-3)  (20 div 1)\*(-6)  20 \* (-6) | -120 | 21 | -- | 1 | -3 |
| 5 | O=M-(P++) | -120 | 21 | -122 | 1 | -3 |
| 6 | R=M+O-R  -120-122-(-3)  -242+3 | -120 | 21 | -122 | 1 | -239 |
| 7 | P= (N MOD 3) + (O-R)  (21 mod 3) +(-122-(-239))  0 +(-122+239) | -120 | 21 | -122 | 117 | -239 |
| 8 | N=(++N) + R +P+0  (21+1)+(-239)+117+(-122)  22-239+117-122 | -120 | -222 | -122 | 117 | -239 |
| 9 | M=M+N+O+P+R  -120-222-122+117-239 | -586 | -222 | -122 | 117 | -239 |
|  | |  |  |  |  |  |

Manejo de expresiones:

Para los valores de a, b, c, d establecer el respectivo resultado:

a = 10 b = 12 c = 13 d =10

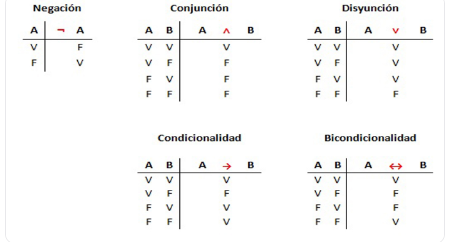
1. X 🡨 ((a > b)or(a < c)) and ((a = c) or (a > = b))

X 🡨 ((10 > 12)or(10 < 13)) and ((10 = 13) or (10> = 12))

🡨( F OR T) AND (F OR F)

🡨( T ) AND (F)

X 🡨F



a = 10 b = 12 c = 13 d =10

1. Y 🡨 ((a > = b) or (a < d)) and (( a > = d) and (c > d))

((a > = b) or (a < d)) and (( a > = d) and (c > d))

((10>=12) or(10<10)) and (10>=10) and (13>10))

( F or F ) and ( T and T)

F and T

Y🡨 F

1. Z 🡨not (a = c) and (c > b)
2. F 🡨 (3\*2^5 mod 7 + 8\*(3-5) < (2+8-10 mod 3)
3. G 🡨13 mod 12 div 3
4. H 🡨 (-b\*2 <> 8\*3 mod 4) and (a>b)
5. I 🡨 ((c>-5) or (not(3=5))) and (8 <> 3+b)
6. M 🡨 ((a^2 mod 3 > b) or (a \* 3 div c < c\*(-c) )) and ((a = c) or (a\*(-3) > = b div 7))
7. Y 🡨 ((d / 2 mod 2 > = b^2) or (sqrt(16) mod 4 < d \*3)) and (( a-3 > = d ) and (d > d))
8. S 🡨 not (c ^ 2 = (b mod 3) \* 3) and (b \*8 mod 4 > c\*d mod a)
9. G 🡨 (2\*3 div 2 ^ 5 mod 2 + 18 + (b\*3-5) < (2\*b+8-10 mod 3)
10. H 🡨 (b\*18 mod 3\*2 <> 8\*3 mod 4) and (a<=b)