**Introducción a la Programación**

Trabajo de Proceso 1.2.-2

**Realiza las siguientes operaciones siguiendo las  
reglas de precedencia, donde:**  
W = 3, X = 5, Y = 7, Z = 9  
1. A = W == X < Y < Z>=9  
2. A = ( W == X ) == ( Y > Z )  
3. A = X != ( W < Z < Y ) == 1  
4. A = W \* Y >= W \* Z  
5. A = Y + W \* Z / W != Z + W – Y \* X  
6. A = ( Y + W ) \* Z / W == Y \* X – 20 / 4  
7. A = W \* Y >= W \* Z == ( Y + W ) \* Z > 0  
8. A = X > Z \* ( W + Y )!= W <= X

9. A = Z%Y== Z/Y < Y\*W < (Z+X)  
10. A = W\*0.5 == X\*0.5 == ( Y+W > Z+1 )  
11. A = X+Z != W < Z < Y-W != 1  
12. A = (Z%W) \* Y >= (Z/W) \* W  
13. A = (Y + W) \* (Z / W) <= Z + (W + Y) \* X  
14. A = Y - W \* Z / W >= Y \* X – 4\* 4  
15. A = W \* Y >= W \* Z != ( Y <= 7 ) \* Z > 0

*Obs. Resaltar cada operación realizada*

**Desarollo**

1. A = W == X < Y < Z >= 9

A = 3 == 5 < 7 < 9 >= 9

A = 3 == 1 < 9 >= 9

A = 3 == 1 >= 9

A = 3 == 0

A = 0

2. A = ( W == X ) == ( Y > Z )

A = ( 3 == 5 ) == ( 7 > 9 )

A = 0 == ( 7 > 9 )

A = 0 == 0

A = 1

3. A = X != ( W < Z < Y ) == 1

A = 5 != ( 3 < 9 < 7 ) == 1

A = 5 != ( 1 < 7 ) == 1

A = 5 != 1 == 1

A = 1 == 1

A = 1

4. A = W \* Y >= W \* Z

A = 3 \* 7 >= 3 \* 9

A = 21 >= 3 \* 9

A = 21 >= 27

A = 0

5. A = Y + W \* Z / W != Z + W – Y \* X

A = 7 + 3 \* 9 / 3 != 9 + 3 – 7 \* 5

A = 7 + 27 / 3 != 9 + 3 – 7 \* 5

A = 7 + 27 / 3 != 9 + 3 – 35

A = 7 + 9 != 9 + 3 – 35

A = 16 != 9 + 3 – 35

A = 16 != 12 – 35

A = 16 != -23

A = 1

6. A = ( Y + W ) \* Z / W == Y \* X – 20 / 4

A = ( 7 + 3 ) \* 9 / 3 == 7 \* 5 – 20 / 4

A = 10 \* 9 / 3 == 7 \* 5 – 20 / 4

A = 90 / 3 == 7 \* 5 – 20 / 4

A = 30 == 7 \* 5 – 20 / 4

A = 30 == 35 – 20 / 4

A = 30 == 35 – 5

A = 30 == 30

A = 1

7. A = W \* Y >= W \* Z == ( Y + W ) \* Z > 0

A = 3 \* 7 >= 3 \* 9 == ( 7 + 3 ) \* 9 > 0

A = 3 \* 7 >= 3 \* 9 == 10 \* 9 > 0

A = 21 >= 3 \* 9 == 10 \* 9 > 0

A = 21 >= 27 == 10 \* 9 > 0

A = 21 >= 27 == 90 > 0

A = 0 == 90 > 0

A = 0 == 1

A = 0

8. A = X > Z \* ( W + Y ) != W <= X

A = 5 > 9 \* ( 3 + 7 ) != 3 <= 5

A = 5 > 9 \* 10 != 3 <= 5

A = 5 > 90 != 3 <= 5

A = 0 != 3 <= 5

A = 0 != 1

A = 1

9. A = Z%Y== Z/Y < Y\*W < (Z+X)

A = 9%7== 9/7 < 7\*3 < (9+5)

A = 9%7== 9/7 < 7\*3 < 14

A = 2 == 9/7 < 7\*3 < 14

A = 2 == 1.29 < 7\*3 < 14

A = 2 == 1.29 < 21 < 14

A = 2 == 1 < 14

A = 2 == 1

A = 0

10. A = W\*0.5 == X\*0.5 == ( Y+W > Z+1 )

A = 3\*0.5 == 5\*0.5 == ( 7+3 > 9+1 )

A = 3\*0.5 == 5\*0.5 == ( 10 > 9+1 )

A = 3\*0.5 == 5\*0.5 == ( 10 > 10 )

A = 3\*0.5 == 5\*0.5 == 0

A = 1.5 == 5\*0.5 == 0

A = 1.5 == 2.5 == 0

A = 0 == 0

A = 1

11. A = X+Z != W < Z < Y-W != 1

A = 5+9 != 3 < 9 < 7-3 != 1

A = 14 != 3 < 9 < 7-3 != 1

A = 14 != 3 < 9 < 4 != 1

A = 14 != 1 < 4 != 1

A = 14 != 1 != 1

A = 0 != 1

A = 1

12. A = (Z%W) \* Y >= (Z/W) \* W

A = (9%3) \* 7 >= (9/3) \* 3

A = 0 \* 7 >= (9/3) \* 3

A = 0 \* 7 >= 3 \* 3

A = 0 >= 3 \* 3

A = 0 >= 9

A = 0

13. A = (Y + W) \* (Z / W) <= Z + (W + Y) \* X

A = (7 + 3) \* (9 / 3) <= 9 + (3 + 7) \* 5

A = 10 \* (9 / 3) <= 9 + (3 + 7) \* 5

A = 10 \* 3 <= 9 + (3 + 7) \* 5

A = 10 \* 3 <= 9 + 10 \* 5

A = 30 <= 9 + 10 \* 5

A = 30 <= 9 + 50

A = 30 <= 59

A = 1

14. A = Y - W \* Z / W >= Y \* X – 4\* 4

A = 7 - 3 \* 9 / 3 >= 7 \* 5 – 4\* 4

A = 7 - 27 / 3 >= 7 \* 5 – 4\* 4

A = 7 - 9 >= 7 \* 5 – 4\* 4

A = 7 - 9 >= 35 – 4\* 4

A = 7 - 9 >= 35 – 16

A = -2 >= 35 – 16

A = -2 >= 19

A = 0

15. A = W \* Y >= W \* Z != ( Y <= 7 ) \* Z > 0

A = 3 \* 7 >= 3 \* 9 != ( 7 <= 7 ) \* 9 > 0

A = 3 \* 7 >= 3 \* 9 != 1 \* 9 > 0

A = 21 >= 3 \* 9 != 1 \* 9 > 0

A = 21 >= 27 != 1 \* 9 > 0

A = 21 >= 27 != 9 > 0

A = 0 != 9 > 0

A = 0 != 1

A = 1