Algoritmos:

# Actividad Prioridad Operadores

RESUELVE LAS SIGUIENTES OPERACIONES UTILIZANDO LAS REGLAS DE PRECENDECIA, DONDE:

**Z = 8, P =10, Q = -3, K = 9**

RESOLVER:

1. Z \* Q + P/Z – Q ^ ⅖

8 \* -3 + 10/8 – -3 ^ ⅖

8 \* -3 + 10/8 – 9/5

-24 + 1 – 2

-23 -2

-25

1. 8\*-3+(10/8) -(-3^⅖)

8\*-3+1 – (9/5)

8 \* -3 + 1 - 2

-24 + 1 – 2

-23 – 2

-25

1. Q/K \* K-P / Z+9\*P-Z

-3/9 \* 9-10 / 8+9 \* 10 – 8

0 \* 9 – 1 + 9 \* 10 – 8

9 – 1 + 90 – 8

8 + 98

106

1. (-3/9) \* (9-10/8+9\*10-3)

0 \* (9 – 10 / 8 + 9 \* 10 - 3)

(9 – 1 + 90 -3)

(8 + 87)

(95)

95

1. P\*Z\*K\* (P/8+Z) + K ^2

10 \* 8 \* 9 \* (10 / 8 + 8) + 9 ^ 2

10 \* 8 \* 9 \* (1 + 8) + 9 ^ 2

10 \* 8 \* 9 \* 9 + 9 ^ 2

10 \* 8 \* 9 \* 9 + 81

80 \* 81 + 81

6480 + 81

6561

1. ((Q+10) \* (18\*K/5)-Z ^Q) + 15

((-3 + 10) \* (18 \* 9 / 5) - 8 ^ -3) + 15

((-3 + 10) \* (18 \* 9 / 5) - 8 ^ -3) + 15

(7 \* (162 / 5) - 8 ^ -3) + 15

(7 \* 32 -8 ^ -3) + 15

(7 \* 32 - 0) + 15

224 + 15

239

1. 18 + Z – P \* K / (Q/Z) - (1/3 + 5/8 \*3) \* 8/6

18 + 8 – 10 \* 9 / (-3 / 8) - (1/3 + 5/8 \*3) \* 8/6

18 + 8 – 10 \* 9 / 0 - (0 + 1 \* 3) \* 8/6

18 + 8 – 10 \* 9 / 0 - (0 + 3) \* 8/6

18 + 8 – 10 \* 9 / 0 - 3 \* 8/6

18 + 8 – 90 / 10 – 24 / 6

18 + 8 – 9 – 4

26 – 9 – 4

17 – 4

13

1. ((Q \* 2) - (P \* Z) \* (K + Z) / (Z + P))

((-3 \* 2) - (10 \* 8) \* (9 + 8) / (8 + 10))

(-6 – 80 \* 17 / 18)

(-6 – 1360 / 18)

(-6 - 76)

(-82)

-82

1. 10 \* Z + P ^ 2 - Q ^ 2

10 \* 8 + 10 ^ 2 – -3 ^ 2

10 \* 8 + 100 – 9

80 + 100 – 9

180 – 9

171

1. (((Z + P) \* (Q \* 6) / (K + Z)) \* Z) + P

(((8 + 10) \* (-3 \* 6) / (9 + 8)) \* 8) + 10

((18 \* -18 / 17) \* 8) + 10

((-324 / 17) \* 8) + 10

(-46 \* 8) + 10

-370 + 10

-360

HALLAR

11. J= Z2+P2=K2

12. M= 3\* Z2 + 7P -15

13. T = 7/P + 4ZK

14. R= 5Z \* 4PK

TENIENDO EN CUENTA EL ORDEN DE PRECEDENCIA

**DADAS LA SIGUIENTE INFORMACION**

**a=8, B=3, c=7, d=8, e=10, f=5**

**HALLAR:**

h = ((f > 5) and (e = 3) or (4 < d) and (e <= f))

h = ((5> 5) and (10 = 3) or (4 < 8) and (10 <= 5))

h = (F and F or V and F)

h = (F or F)

h = (F)

h = F

w = (((10 >= e) or (f <> c)) and (f > a))

w = (((10 >= 10) or (5 <> 7)) and (5 > 8))

w = ((V or V) and F)

w = (V and F)

w = (F)

w = F

z = (((3 = d) and (e > d)) or ((d <> c) and (4 <> d)))

z = (((3 = 8) and (10 > 8)) or ((8 <> 7) and (4 <> 8)))

z = ((F and V) or (V and V))

z = (F or V)

z = (V)

z = V