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NRC: 7164.

CARRERA: Software.

EXPRESIONES Y NOTACIONES

1) IN-ORDEN:

$$(\sin(45)^4) \times (\cos(30)^4 2) - 3 \div 6$$

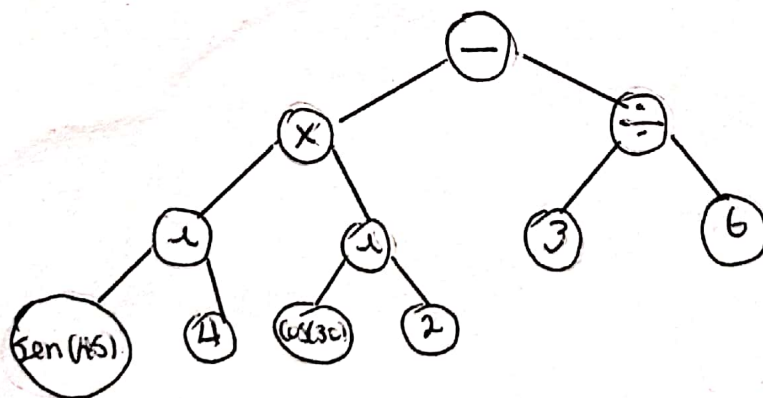
PRE-ORDEN:

$$- \times \wedge \sin(45)(4)^4 \cos(30)(20) \div (3)(6)$$

POST-ORDEN:

$$\sin(45)(4)^4 \cos(30)(2)^4 \times (3)(6) \div -$$

ÁRBOL



2) IN-ORDEN:

$$\left(\frac{\tan(x) - \cotan(x)}{\sin(x)} \right) \times (\ln(x)^4 2) + (\cos(x)^4 2)$$

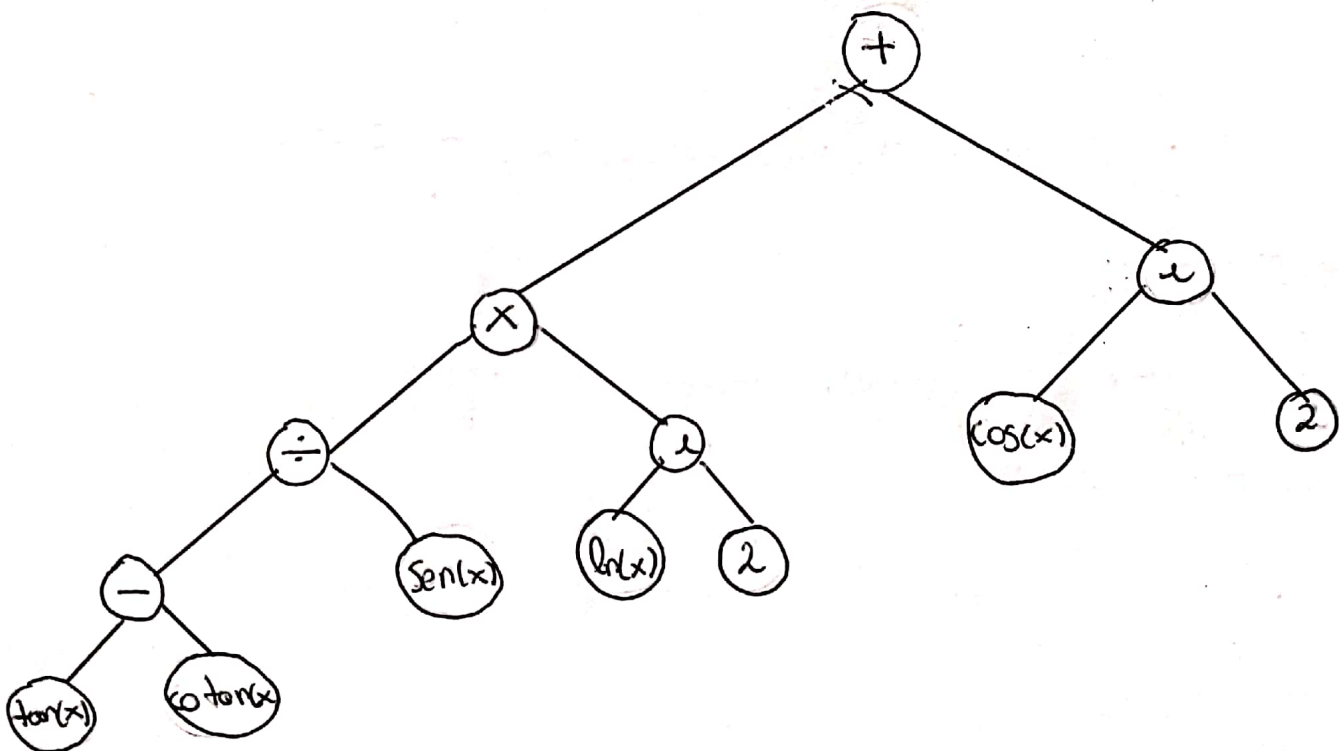
PRE-ORDER:

$$+ x \div - [\tan(x)] [\cotan(x)] [\sin(x)]^{-1} [\ln(x)] (2)^{-1} [\cos(x)] (2)$$

POST-ORDER:

$$\tan(x) \cotan(x) - \sin(x) \div \ln(x) (2)^{-1} \cos(x) (2)^{-1} +$$

ARBORE



3) IN-ORDER:

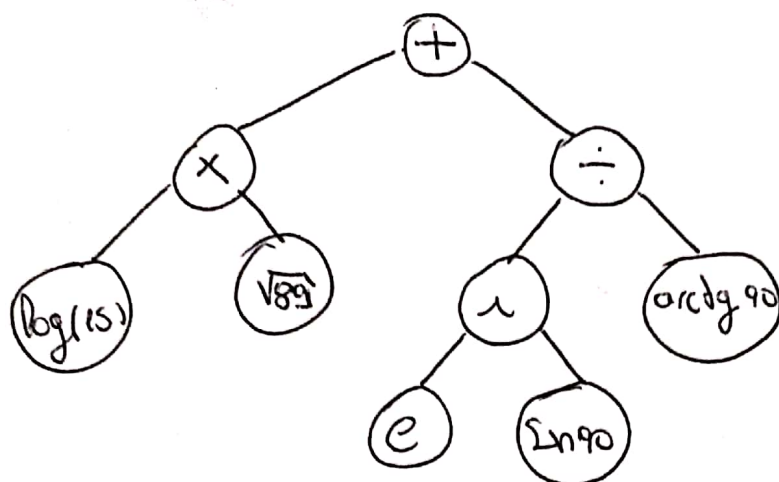
$$\log(15) \times \sqrt{89} + \frac{e^{\sin(90)}}{\arctg(90)}$$

PRE-ORDER:

$$+ x \log(15) (\sqrt{89}) \div (e) [\sin(90)] [\arctg(90)]$$

POST-ORDER:

$$[\log(15)] (\sqrt{89}) \times e [\sin(90)]^{-1} [\arctg(90)] \div +$$



4) In-Orden:

$$((3x \wedge 6 + \cos(x) * \sin(x)) \div (x * x \wedge 2) - (\tan(x) * \ln(x) + 5))$$

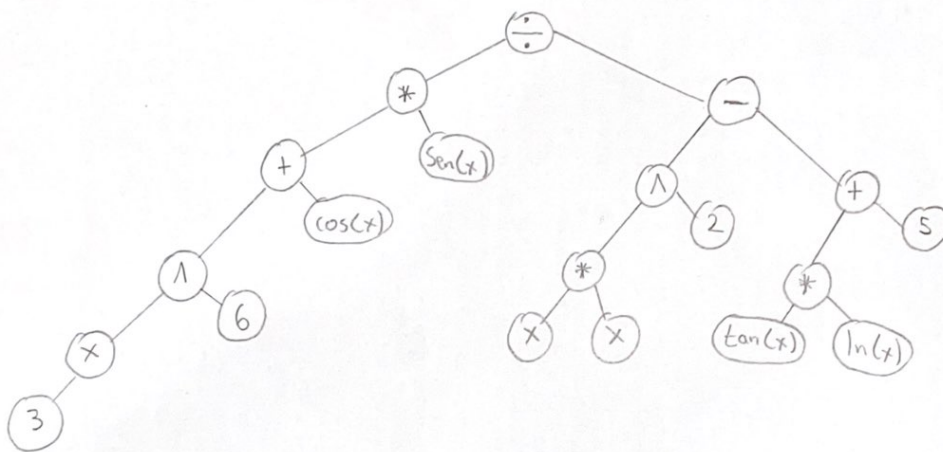
Pre-Orden:

$$- \div + * [\cos(x)] [\sin(x)] \wedge (3x)(6) + * [\tan(x)] [\ln(x)] (5)$$

Post-Orden:

$$(3x)(6) \wedge [\cos(x)] [\sin(x)] * + (x)(x)(2) \wedge * \div [\tan(x)] [\ln(x)] * 5 + -$$

Árbol:



5) In-Orden:

$$((z+1) * (z-1)) \div ((a * 2) - (a+1))$$

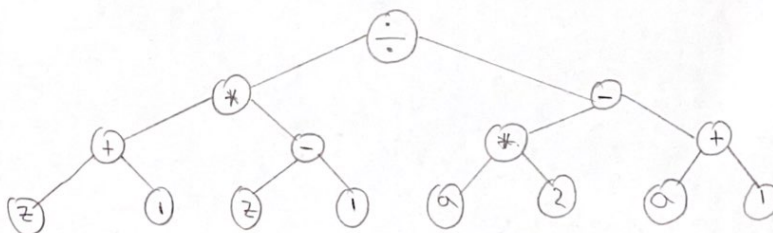
Pre-Orden

$$\div * + (z)(1) - (z)(1) - * (a)(2) + (a)(1)$$

Post-Orden

$$(z)(1) + (z)(1) - * (a)(2) * (a)(1) + - \div$$

Árbol:



6) In-Orden

$$\{ [2 * \lg(45)] \div [40 \wedge \lg(3)] \} + (\sqrt{69}) \wedge \pi$$

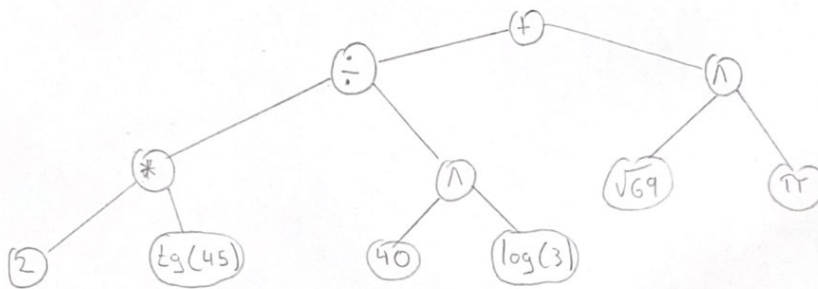
Pre-Orden

$$+ \div * (2) (\lg(45)) \wedge (40) [\lg(3)] \wedge (\sqrt{69}) (\pi)$$

Post-Orden

$$(2) [\lg(45)] * (40) [\lg(3)] \wedge \div (\sqrt{69}) (\pi) \wedge +$$

Árbol:



7)

In - Orden

$$[(16^2 \div 4^4) * \ln(x)] - (\tan(x)^2)$$

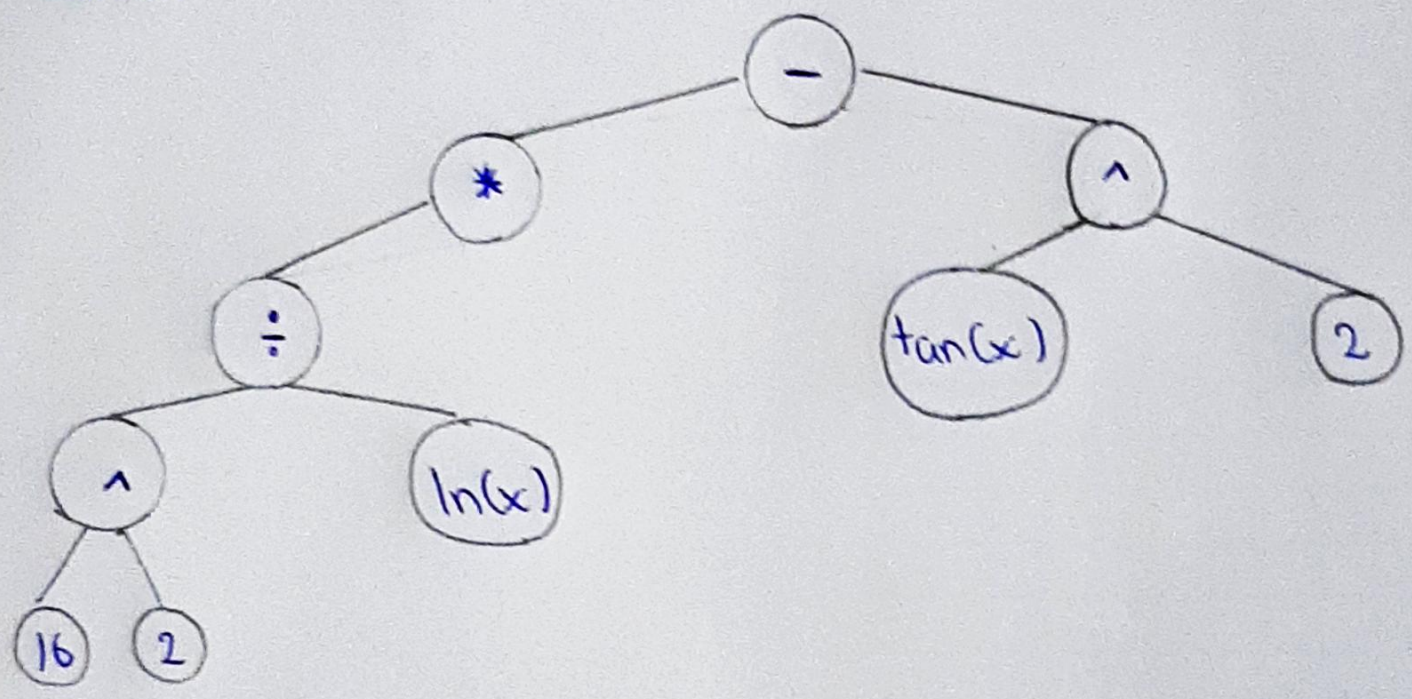
Pre - Orden

$$- * \div ^ (16)(2)^ (4)(4) [\ln(x)] ^ [\tan(x)] (2)$$

Post - Orden

$$(16)(2)^ (4)(4)^ \div [\ln(x)] * [\tan(x)] (2)^ -$$

Árbol



8)

In - Orden:

$$[e^{\ln(45)}] / [\arcsen(56)] - [(4 * 36^8) * \text{sen}(95)]$$

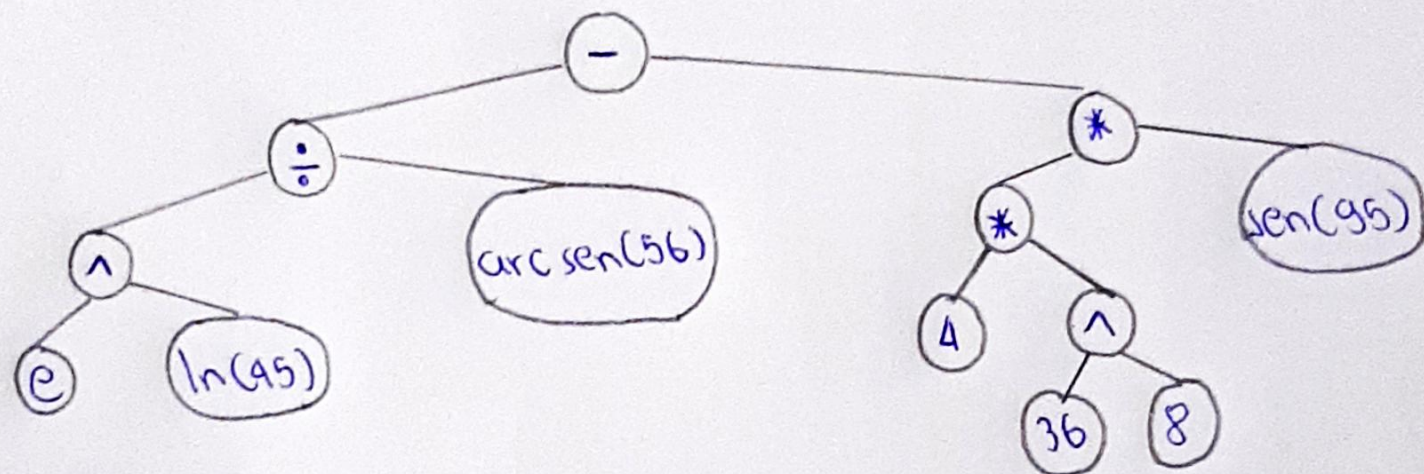
Pre - Orden:

$$- \div ^ (e) [\ln(45)] [\arcsen(56)] * * 4 ^ (36)(8) [\text{sen}(95)]$$

Post - Orden

$$(e) [\ln(45)] ^ [\arcsen(56)] \div (4)(36)(8) ^ * [\text{sen}(95)] * -$$

Árbol



9) In - Orden

$$[(\ln(x))^x * (\sin(x)) * \cos(x)] + (2^5 \div 2^4)$$

Pre - Orden

$$+ * ^ [\ln(x)] (x) * [\sin(x)] [\cos(x)] \div ^ (2) (5) ^ (2) (4)$$

Post - Orden

$$[\ln(x)] (x) ^ [\sin(x)] [\cos(x)] * * (2) (5) ^ (2) (4) ^ \div +$$

Árbol

