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Matrícula: 201080354

$$5 - 3^{x} + 3^{x-1} + 3^{x-2} = 93$$

$$3^{x} \left(\frac{3+1+9.3}{3}\right) = 93$$

$$3^{x} + \frac{3^{x}}{3} + 3^{x}.3^{2} = 93$$

$$3^{x} \cdot \left(\frac{31}{3}\right) = 93$$

$$3^{x} = 9$$

$$3^{x} = 9$$

$$3^{x} = 9$$

$$3^{x} = 3^{2}$$

$$3^{x} = 3^{2}$$

$$3^{x} = 2$$

$$3^{x} = 3^{2}$$

$$3^{x} = 2$$

$$6 - f(x) = 2 - 2^{x}$$

$$F(1) = 0 \quad (10)$$

$$F(2) = -2 \quad (2 - 2)$$

$$F(3) = -6 \quad (3 - 6)$$

$$F(4) = -14 \quad (4 - 1)$$

$$F(5) = -30 \quad (5 - 30)$$

$$F(-10) = \frac{2047}{1024}$$

$$F(-10) \approx 2 \quad (-10, 2)$$

$$F(3) = -6 \quad (-10, 2)$$

$$F(3) = -6 \quad (-10, 2)$$

$$F(3) = -6 \quad (-10, 2)$$

$$F(4) = -14 \quad (-10, 2)$$

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$$F(3) = -14 \quad (-10, 2)$$

$$7 - \log_{2}(x-1) + \log_{2}(x-2) = 1$$

$$\log_{2}((x-1) \cdot (x-2)) = 1$$

$$\log_{2}(x^{2}-2x-x+2) = 1$$

$$x' = \frac{3+\sqrt{9}}{2} - 3$$

$$x'' = \frac{3-\sqrt{9}}{2} - 5$$

8- 
$$F(x) = \log_{\frac{1}{2}}(x+2)$$
  
 $F(2) = -2$   
 $F(6) = -3$   
 $F(-1) = 0$   
 $F(0) = -7$   
 $F(14) = -4$ 

$$\begin{array}{lll}
8 - \varphi(x) &= \log_{\frac{1}{2}}(x+2) & \varphi(2) &= \log_{\frac{1}{2}}4 - \varphi(2^{-1})^{x} = 2^{2} - \varphi - x = 2 - \varphi(x = -2) \\
\varphi(2) &= -2 & \varphi(3) &= -2 & \varphi(3) &= -2 & \varphi(2^{-1})^{x} = 2^{3} - \varphi - x = 3 - \varphi(x = -2) \\
\varphi(6) &= \log_{\frac{1}{2}}8 - \varphi(2^{-1})^{x} = 2^{3} - \varphi - x = 3 - \varphi(x = -2) \\
\varphi(6) &= \log_{\frac{1}{2}}8 - \varphi(2^{-1})^{x} = 2^{3} - \varphi - x = 3 - \varphi(x = -2) \\
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