

بازدهر بر

برهان مندرج

$$\log_m^n = a$$

$$\log_{mn}^{m^n} = \log_{mn}^{m^n} + \log_{mn}^1 = \frac{\log_m^n}{\log_{mn}^m} + \frac{1}{\log_{mn}^m} = \frac{\log_m^n + 1}{\log_{mn}^m} = \frac{\log_m^n + 1}{a+1}$$

ا)

$$\left[\frac{\log_m^n}{a+1} \right] = 1$$

$$y = \sqrt{\frac{x}{\log_{\frac{1}{x}}^x}}$$

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$$\log_{\frac{1}{x}}^x \Rightarrow x < 1$$

$$D_f = (0, 1)$$

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

$$x^2 - x - 2 > 0$$

$$(x-2)(x+1)$$

$$+ \frac{-1}{1-1} + \frac{2}{1+1}$$

$$D_f = (-\infty, -1) \cup (2, +\infty)$$

$$x^2 - 1 > 0$$

$$+ \frac{-1}{1-1} + \frac{1}{1+1}$$

$$\sqrt{x-1} + 1 \neq 0$$

هنگامی که

$$x \log_a^a + \log_a^x = x \Rightarrow x \log_a^a + \frac{1}{x} \log_a^x = x \Rightarrow x \log_a^a + \frac{1}{x \log_a^a} = x \Rightarrow \log_a^a = t$$

$$x + \frac{1}{x} = x \Rightarrow x^2 + 1 = x^2 \Rightarrow$$

$$(x-1)^2 = 0 \Rightarrow x = 1$$

$$\log_a^a = \frac{1}{x}$$

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$$x = a$$

$$a = \sqrt{a} = x$$

$$\log^x = 0, 3$$

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$$\log^x = \log^1 = \log^2 = 1 - 0, 3 \log^x = 0, 7$$

$$(\log^x - \log^y) x^y + (x \log^x) y = (\log^x + \log^y)$$

$$(0, 3 - 0, 3) x^y + (x \log^x) y = (0, 3 + 0, 3)$$

$$0, 3 x^y + 0, 3 x = 1, 1$$

$$\frac{\sqrt{\Delta}}{|a|} = \frac{(0, 3 + 1, 3)}{0, 3} = \frac{1, 6}{0, 3} = \left(\frac{16}{3} \right)$$

$$\log_a^x = 0, 3$$

$$\log_y^x = 1, 3$$

$$\log_{1/3}^1 = \frac{\log_{1/3}^1}{\log_{1/3}^1} = \frac{\log_{1/3}^1 + \log_{1/3}^1}{\log_{1/3}^1 + \log_{1/3}^1} = \frac{2 \log_{1/3}^1}{2 \log_{1/3}^1} = \frac{2}{2} = 1$$

$$\log^x = 0, 3 \log^x$$

$$\log^x = 1, 3 \log^x$$

$$x \log^x = 1, 3$$

$$\log_{\gamma}^{\omega} = 1, \omega$$

$$\log_{\gamma}^{\nu} = 1, \gamma$$

$$\log_{\gamma}^{\omega} = 1, \omega \log_{\gamma}^{\omega}$$

$$\log_{\gamma}^{\nu} = 1, \gamma \log_{\gamma}^{\nu}$$

$$\frac{1}{\gamma} \log_{\gamma}^{\nu} = \log_{\gamma}^{\nu}$$

$$\frac{\log_{\gamma}^{\omega}}{\log_{\gamma}^{\omega}} = \frac{\frac{1}{\gamma} \log_{\gamma}^{\nu}}{\log_{\gamma}^{\nu} + \log_{\gamma}^{\nu}} = \frac{\frac{1}{\gamma} \log_{\gamma}^{\nu}}{2 \log_{\gamma}^{\nu}} = \frac{1}{2} \log_{\gamma}^{\nu} = \frac{1}{\gamma}$$

$$\log_{\gamma}^{\omega} = m$$

$$\frac{1}{\gamma} (\log_{\gamma}^{\omega}) = m = \frac{1}{\gamma} (\gamma \log_{\gamma}^{\nu} + \log_{\gamma}^{\nu}) = m$$

$$\frac{\gamma}{\gamma} \log_{\gamma}^{\nu} + \frac{1}{\gamma} = m$$

$$\log_{\gamma}^{\nu} = m - \frac{1}{\gamma}$$

$$\log_{\gamma}^{\nu} = \frac{m-1}{\gamma} = \frac{\gamma_{m-1}}{\gamma}$$

$$\log_{\gamma}^{\omega} = \log_{\gamma}^{\nu} + \log_{\gamma}^{\nu} = 1 + \frac{1}{\gamma} \log_{\gamma}^{\nu} = 1 + \frac{1}{\gamma} \left(\frac{\gamma_{m-1}}{\gamma} \right) = 1 + \frac{\gamma_{m-1}}{\gamma} = \frac{\gamma_{m+1}}{\gamma} = \frac{\gamma}{\gamma} (m+1)$$

$$\left(\frac{\gamma}{\omega} \right)^{\gamma_{\omega}-1} = \left(\frac{\gamma}{\gamma} \right)^{\gamma_{\omega}-1}$$

$$\left(\frac{\gamma}{\omega} \right)^{\gamma_{\omega}-1} = \left(\frac{\gamma}{\omega} \right)^{-\gamma_{\omega}}$$

$$\left(\frac{\gamma}{\omega} \right)^{\gamma_{\omega}-1} = \left(\frac{\gamma}{\omega} \right)^{-\gamma_{\omega}}$$

$$-\gamma_{\omega} = \gamma_{\omega}-1$$

$$\gamma_{\omega} + \gamma_{\omega} - 1 = \dots$$

$$\log_{\gamma}^{\omega} \rightarrow \log_{\gamma}^{\omega} = X$$

$$\log_{\gamma}^{\omega} = \left(\frac{\gamma}{\gamma} \right)$$

$$\log_{\gamma}^{\nu} = a$$

$$\log_{\gamma}^{\omega} = \frac{1}{\gamma} (1 + \log_{\gamma}^{\nu}) = \frac{1}{\gamma} (\log_{\gamma}^{\nu} + \log_{\gamma}^{\nu}) = \log_{\gamma}^{\nu} \Rightarrow (b = \gamma)$$

$$\log_{\gamma}^{\omega} (b-1) = \log_{\gamma}^{\omega} = \left(\frac{\gamma}{\gamma} \right)$$

$$c a \gamma + b \gamma \frac{1}{\gamma} = c$$

$$\frac{a}{b} = \log_{\gamma}^{\omega}$$

$$\gamma a = b + c$$

$$\frac{c a}{b} = \log_{\gamma}^{\omega}$$

$$\frac{c a}{b} = \log_{\gamma}^{\omega}$$

$$\left(\frac{1}{\gamma} \right)^{\frac{c}{a}}$$

$$\left(\frac{1}{\gamma} \right)^{\frac{c}{a}} = \gamma^{-\frac{\gamma_a - b}{\gamma_a}}$$

$$\left(\frac{1}{\gamma} \right)^{-\frac{\gamma_a - b}{\gamma_a}}$$

$$\gamma a = \log_{\gamma}^{\omega} b$$

$$\left(\frac{1}{\gamma} \right)^{-\frac{\gamma_a - b}{\gamma_a}} = \left(\frac{1}{\gamma} \right)^{\frac{1}{\gamma}} \left(\frac{1}{\gamma} \right)^{\frac{1}{\gamma}} \left(\frac{1}{\gamma} \right)^{\frac{1}{\gamma}}$$

$$\left(\frac{1}{\gamma} \right)^{\frac{1}{\gamma}} = \left(\frac{1}{\gamma} \right)^{\frac{1}{\gamma}} = \left(\frac{1}{\gamma} \right)^{\frac{1}{\gamma}}$$