

$x=1 \rightarrow y=1$   
 $x=2 \rightarrow y=9$   
 $f(x) = 1 \rightarrow \mu A + B = \mu^0 \rightarrow A + B = 0$   
 $f(x) = 9 \rightarrow \mu A + B = \mu^2 \rightarrow 4A + B = 9$   
 $\rightarrow \mu A = 2$   
 $\rightarrow \begin{cases} 2A = 2 \\ A = 1 \\ B = -1 \end{cases}$

$f(x) = \mu^{x-1} \xrightarrow{x=0} f(0) = \frac{1}{\mu}$

برفورد با محور ما

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$y = \mu^x + 10 = x + \mu$   
 $\mu^x + 10 = \mu^{x+\mu}$   
 $a^x - \mu a + 10 = 0$   
 $(a-\mu)(a-10) = 0 \rightarrow a = \mu \text{ or } a = 10$   
 $\mu^x = \mu \rightarrow x = 1$   
 $\mu^x = 10 \rightarrow x = \frac{\log 10}{\log \mu}$   
 $\rightarrow x_1 + x_2 = \frac{\log 10}{\log \mu}$

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$(y_{\mu})^x + y_{\mu}^{10} = y_{\mu}^{1000}$   
 $(y_{\mu})^x + (y_{\mu}^{10} - y_{\mu}^{\mu})(y_{\mu}^{\mu} + y_{\mu}^x) = (y_{\mu}^{1000})^x$   
 $(y_{\mu})^x + (y_{\mu}^{10} - y_{\mu}^{\mu})(y_{\mu}^{\mu} + y_{\mu}^x) = (y_{\mu}^{\mu})^x$

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$y = \mu^{x-2n+1} + \mu y^{1-n} = 0$   
 $y^{(n-1)\mu} + \frac{-(n-1)\mu}{y^{n-1}} = 0 \rightarrow y^{-(n-1)\mu} = 0$   
 $\log 2 = -(n-1)$   
 $n = -9$   
 $\rightarrow y_{\mu}^9 = 2$

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$y = \mu^{n+2n+1} + y_{\mu}^{n-1} = \mu$   
 $y_{\mu}^{n+1} = \mu$   
 $\mu^{n+1} - \mu = 0$   
 $\mu^2 = 19 \rightarrow n = 2$   
 $\rightarrow y_{\mu}^{\mu} = 19$

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$$y^{x-n} = y^{\frac{1}{(n-x)r}} = y^r$$

$$y^{(n-x)} + y^{(n-x)r} = y^r$$

$$y - (n-x)^r = y^r$$

$$x-r = -1 \rightarrow x = -1 \rightarrow y^{\frac{1}{\sqrt{r}}} = y^r \checkmark$$

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$$\mu n^r - r = \mu^n$$

$$\mu n^r - r = \mu^n$$

$$(n-x)^r = y^r$$

$$n-x = \pm \sqrt[r]{y}$$

$$\log \frac{n-x}{y} = \frac{n-x}{r} \rightarrow \log \frac{\sqrt{y}}{y} = \frac{1}{r} \checkmark$$

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$$y^r = \frac{\omega}{\lambda} \rightarrow y^r = \frac{\Delta}{\omega}$$

$$y^{\frac{1}{\lambda}} = \frac{y^{\frac{1}{r}}}{y^{\frac{1}{r}}} = \frac{\frac{\mu}{1}}{\frac{1}{\frac{\omega}{\lambda}}} = \frac{\mu}{\frac{\omega}{\lambda}} = \frac{\omega}{\lambda} \checkmark$$

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1

$$y^r = 18 \rightarrow y^r = 119$$

$$\log \frac{y}{18} = \frac{\log y}{\log 18} = \frac{1 + \log y}{r + \log y} = \frac{r/9}{r/9} = \frac{18}{18} \checkmark$$

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9

$$(a \cdot y^r) n^r + a n + b y^r = z$$

$$\alpha = -1$$

$$a \cdot y^r - a + b y^r = z$$

$$\frac{y^r}{y^r} - 1 + \frac{b}{a} y^r = z - \frac{a}{a} \rightarrow (\sqrt{r}) y^r = \frac{z \omega}{y} = \frac{\omega}{\sqrt{r}} \checkmark$$

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