

$$(V)(\gamma) = \varepsilon(\gamma)$$

$$\frac{\sqrt{(\sqrt{5}-1)}^2}{r} - \frac{\sqrt{(\sqrt{5}+1)}^2}{r} = \frac{-1}{r} = -1 \quad \text{✓}$$

$$\frac{2\sqrt{5} + 4\sqrt{5}}{0 - \sqrt{5}} - \frac{1}{\sqrt{5} - 1} = \frac{(2\sqrt{5} + 4\sqrt{5})(0 + \sqrt{5})}{(0 - \sqrt{5})(0 + \sqrt{5})} - \frac{1(\sqrt{5} + 1)}{(\sqrt{5} - 1)(\sqrt{5} + 1)} = \frac{10\sqrt{5} + 40\sqrt{5}}{-5} - \frac{\sqrt{5} + 1}{5}$$

$$\begin{aligned} & \sqrt{\left(\frac{\sqrt{V_T+VF} + \sqrt{V_T-1}}{\sqrt{V_T-VF}}\right)^T - T} = \sqrt{\frac{1+\sqrt{T} + \sqrt{T-1} + TVT}{V_T-VF}} = \sqrt{\frac{\sqrt{T}+TVT(V_T+VF)}{V_T-VF(V_T+VF)}} \\ & = \sqrt{9(\sqrt{T}+VF)^T - T} = \sqrt{T}(V_T+VF) - T = \boxed{\sqrt{9T}} \end{aligned}$$

$$r^{\frac{1}{12}} \cdot r^0 \cdot r^{\frac{1}{12}} \cdot r^0 \cdot r^{\frac{1}{12}} = r^{\frac{1}{12} + 0 + \frac{1}{12} + 0 + \frac{1}{12}} = r^{\frac{3}{12}} = r^{\frac{1}{4}}$$

$$\frac{r^2(1+3+9+27+81+243)}{r^{2-1}(1+3+9+27+81+243)} = \frac{r}{1} \cdot \left(\frac{3}{1}\right) = 3r$$

$$\frac{E}{9} \times \left(\frac{E}{r} \right)^2 \times 0.2 = 0.2$$

$$\frac{c}{9} \times \left(\frac{r}{r}\right)^x = 1 \Rightarrow \boxed{x=2}$$

$$\frac{3}{6} \quad \frac{3}{6} \quad \frac{3}{6}$$

$$\frac{(a^r + b^r - tab)^r}{(a^r + b^r + tab)^r} = \frac{(a-b)^r (a+b)^r}{(a-b)^r (a+b)^r} = (a-b)^r$$

$$(a^r)^r = \varepsilon (a^r)(b^r) + \gamma (a^r)(b^r)^r = \varepsilon (a^r)(b^r)^r + (b^r)^r$$

$$(\sqrt{9}-1)^r = \varepsilon \sqrt{r} (\sqrt{9}-1) + \gamma (\sqrt{r})^r = \varepsilon \sqrt{r} (\sqrt{9}+1) + (\sqrt{9}+1)^r =$$

$$(9+\varepsilon+\varepsilon\sqrt{9}) - \varepsilon \sqrt{r} (2\sqrt{9}) + 1 + (9+\varepsilon+\varepsilon\sqrt{9}) =$$

$$12 - 14\sqrt{r} = 14(1-\sqrt{r}) \rightarrow \boxed{r=14}$$

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$$a + \frac{1}{a} = f \Rightarrow \frac{f}{(a + \frac{1}{a} + \sqrt{r})^r (a + \frac{1}{a} - \sqrt{r})^r} = \frac{(f + \sqrt{r})^r (f - \sqrt{r})^r}{(f + \sqrt{r})^r (f - \sqrt{r})^r}$$

$$(f^r - r) = (a + \frac{1}{a} + \sqrt{r})^r (a + \frac{1}{a} - \sqrt{r})^r = \left(\frac{f + \sqrt{r}}{f - \sqrt{r}} \right)^r + \frac{1}{(f - \sqrt{r})^r}$$

$$\left(r - \sqrt{r} + \frac{1}{r - \sqrt{r}} \right)^r = \left(\frac{1 - \varepsilon \sqrt{r}}{r - \sqrt{r}} \right)^r = \boxed{\varepsilon}$$

$$14 = r^{\frac{1}{2}} \Rightarrow \boxed{r=14}$$

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$$A = \sqrt{\varepsilon \sqrt{14}} \left(\frac{1}{r} \right)^{-\frac{1}{r}} \Rightarrow \sqrt{\varepsilon \sqrt{14}} = \frac{10}{\sqrt{r}} = \frac{r}{\sqrt{14}} \Rightarrow \sqrt{14} = \varepsilon$$

$$(rA)^{-\frac{1}{r}} = \frac{1}{r} \Rightarrow \left(\frac{1}{r} \right)^{\frac{1}{r}} = \boxed{\frac{1}{r}}$$

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$$\sqrt{a} = r^{\frac{10}{r}} \times a^{\frac{10}{r}} \Rightarrow a = r^{11} \times a^{10} \Rightarrow a^{10} \cdot r^{11} = 1 \Rightarrow a = r^{-1}$$

$$\left(\frac{1}{a} + r \right) = \frac{r\sqrt{r}-r}{1+\sqrt{r}} \cdot \frac{(1-\sqrt{r})}{(1-\sqrt{r})} = \frac{r\sqrt{r}-1}{-r} = \boxed{r-1\sqrt{r}}$$

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$$\sqrt{x+a} + \sqrt{x-\varepsilon} = r = A$$

$$rA = x+a - x+\varepsilon = \varepsilon = a$$

$$r(\sqrt{x+a} - \sqrt{x-\varepsilon}) = \varepsilon$$

$$\boxed{A = \frac{a}{r}}$$

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