

$$\alpha + \alpha q + \alpha q^2 = 1 \rightarrow \alpha(1 + q + q^2) = 1$$

$$\alpha \times \alpha q \times \alpha q^2 = q^3 \rightarrow \alpha^3 q^3 = q^3 \rightarrow \alpha^3 = 1 \rightarrow \alpha = \sqrt[3]{1}$$

$$\frac{q}{q} \times \frac{1}{q} (1 + q + q^2) = 1$$

$$1(1 + q + q^2) = 1$$

$$1 + q + q^2 = 1 \rightarrow q + q^2 = 0 \rightarrow q(1 + q) = 0$$

$$\begin{cases} q = 1 \\ q = -1 \end{cases}$$

$$q > 0$$

$$x_1^p + \frac{1}{x_1^p} + \frac{1}{x_1^p} = 1$$

$$x_1^p = \frac{1}{x_1^p} + \frac{1}{x_1^p}$$

$$(x_1^p)^2 = (x_1^p + 1)(x_1^p - 1)$$

$$x_1^p = x_1^p + 1 \rightarrow x_1^p - 1 = 0 \rightarrow x_1^p = 1$$

$$y^p - 1 = 0$$

$$(y - 1)(y + 1) = 0 \rightarrow y = 1 \text{ or } y = -1$$

$$\checkmark \text{ if } x = 1 \rightarrow z_1 = 1, z_2 = 1, z_3 = 1$$

$$\times \text{ if } x = -1 \rightarrow z_1 = 1, z_2 = -1, z_3 = 1$$

$$\alpha = 1$$

$$q = \frac{1}{p}$$

$$\alpha_1 = p^p$$

$$1 + q + q^2 + q^3 + q^4 = \frac{1}{1} \rightarrow \alpha + \alpha q + \alpha q^2 + \alpha q^3 + \alpha q^4 = \frac{1}{1}$$

$$1 - 1 = 0 \rightarrow \frac{1}{1} = 1$$

$$1 - 1 = 0 \rightarrow \frac{1}{1} = 1$$

$$A + B = 1$$

$$1 + p^p = \frac{1}{p}$$

$$1 - p^p = \frac{1}{p}$$

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$$1 - p^p = \frac{1}{p}$$

$$1 - p^p = \frac{1}{p}$$

$$q = \frac{1}{p}$$

$$\frac{-q}{p} = \frac{-q}{p} = \frac{1}{p} = q$$

$$q = \frac{1}{p}$$

$$q = \frac{1}{p}$$

$$q = \frac{1}{p}$$

where $\alpha_p = \alpha_f = \alpha_c = \alpha_a = \alpha_v = \alpha_\lambda = \alpha_q$

GLS $\alpha_m = \alpha_v = \alpha_q$

GLS $\alpha_1 + \mu d, \alpha_1 + \mu d, \alpha_1 + \mu d$

$(\alpha_1 + \mu d) \times (\alpha_1 + \mu d) = \alpha_1^2 + 10 \alpha_1 \mu d + 19 \mu^2 d^2$

$(\alpha_1 + \mu d)^2 = \alpha_1^2 + 10 \alpha_1 \mu d + 19 \mu^2 d^2$

$10 \alpha_1 \mu d + 19 \mu^2 d^2 = \alpha_1 + 10 \mu d = 0 \Rightarrow \alpha_1 = -10 \mu d$

$\alpha_1 + \mu d = -10 \mu d \Rightarrow \alpha_1 = -11 \mu d$

$\alpha_1 + \mu d = -10 \mu d \Rightarrow \alpha_1 = -11 \mu d$

$-10 \mu d, -9 \mu d, -8 \mu d$
 $+1 \quad d=1$

$\alpha_p = \alpha_1 + d = -10 \mu d + d$

$\alpha_f = \alpha_1 + \mu d = -10 \mu d + \mu d$

$\alpha_\lambda = \alpha_1 + \mu d = -10 \mu d + \mu d$

$(\alpha_1 + \mu d)^2 = \alpha_1^2 + 10 \alpha_1 \mu d + 19 \mu^2 d^2$

$(\alpha_1 + d)(\alpha_1 + \mu d) = \alpha_1^2 + 10 \alpha_1 \mu d + 19 \mu^2 d^2$
 $\alpha_1 = d$

$q = \frac{\alpha_1 + \mu d}{\alpha_1 + d} = \frac{\mu d}{\mu d} = 1 \Rightarrow q = 1$

$\alpha_{1,1} = \alpha_1 q^q = -10 \mu d \times 1^1 = -10 \mu d$

$\alpha_1, \alpha_2, \alpha_3, \alpha_4, \alpha_5, \dots$

$\alpha_1, \alpha_2, \alpha_3, \alpha_4, \alpha_5, \dots$

$r(r^2) = r^3 = r^2 + r^2$

$r = \mu$

دو تا غیر ثابت

$r \neq 1$

$r^2 = r^2 + r^2 = 0 \Rightarrow r^2 = r^2 + r^2$

$r = \mu, r = 1$

$r^2 = r^2 + r^2 = 0 \Rightarrow r^2 = r^2 + r^2$

$$P \propto \frac{V}{P} \propto \frac{1}{P} \quad \rightarrow \quad d = -\frac{1}{P}$$

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$$\alpha_P = P - \frac{P}{P} = \frac{0}{P} \rightarrow \alpha_P + K$$

$$\alpha_\lambda = P - \frac{V}{P} = \frac{1}{P} \rightarrow \alpha_\lambda + K$$

$$\alpha_{1/P} = P - \frac{P}{P} = \frac{0}{P} = -1 \rightarrow \alpha_{1/P} + K$$

So $\alpha_{1/P} + K, \alpha_\lambda + K, \alpha_P + K$

$$(\alpha_\lambda + K)^P = \alpha_\lambda^P + K^P + PK \alpha_\lambda \rightarrow K^P + \frac{1}{P} K + \frac{1}{1Q}$$

$$(\alpha_{1/P} + K)(\alpha_P + K) \rightarrow (K-1)(K + \frac{0}{P}) = K^P + \frac{1}{P} K - \frac{0}{P}$$

$$\frac{1}{1Q} + \frac{1}{P} K = \frac{1}{P} K - \frac{0}{P} \rightarrow \frac{1}{P} K = -\frac{0}{P}$$

$$\frac{1}{P} K = -\frac{P}{1Q} \rightarrow K = -\frac{P^2}{P} = -P < 1$$

$$\frac{\alpha_\lambda + K}{\alpha_P + K} = \frac{\frac{1}{P} - \frac{P}{P}}{\frac{0}{P} - \frac{P}{P}} = \frac{\frac{1-P}{P}}{\frac{0-P}{P}} = \frac{1-P}{-1} = \sqrt{\frac{0}{P}}$$