

lopin

$$q + a + ar = rI$$

$$a + ar + ar^2 = rI \quad rI = r + r^2 + r^3 \rightarrow rV - rV + r = 0$$

$$\frac{a}{r} \times a + ar = a^2 = 4r \rightarrow a = r$$

$$1V + \sqrt{rAs} \times r \times r = \frac{1V + 12}{\Lambda}$$

$$q = \frac{1}{r} = \frac{1}{4r}$$

$$2r + r, r, 2r - r$$

$$m \rightarrow \Lambda, r, r \rightarrow q = \frac{1}{r}$$

$$a \times \frac{q^2 - 1}{q - 1} = \Lambda \times \frac{\frac{1}{4r} - \frac{1}{4r}}{\frac{1}{4r} - 1} = \frac{-12V}{\frac{1}{4r}} = -48r$$

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

$$2r^2 - r^2 + r^2 = \Lambda = r^2$$

$$\Lambda \times \frac{12V}{4r} = \frac{12V}{\Lambda}$$

$$2r^2 - r^2 = \Lambda = 0$$

$$(m^2 - r)(m^2 + r) = 0$$

$$(m - r)(m + r)(m^2 + r) = 0$$

$$m = \pm r$$

$$a, ar, ar^2, ar^3, ar^4$$

$$a = r^2 r$$

$$a(1 + r + r^2 + r^3 + r^4) = ?$$

$$\frac{r^2 r \times 121}{\Delta r} = r^2 r$$

$$1, A, 4r$$

$$\frac{4r - 1}{4} = \frac{q \times V}{q_r} = r/A \quad a + rd = 1 + 1./\Delta = 11/A$$

$$1, q, ar, ar^2, ar^3, ar^4, 4r$$

$$\Lambda + 11/A = 12/A$$

$$q = 1 \times 4r$$

$$q^r \rightarrow \Lambda$$

$$q = r$$

$$\text{length}$$

قوله

$$\frac{-92}{r} - \left(\frac{-94}{r} \right) = \frac{1}{r} = d$$

$$a + 10d = \frac{-94}{r} + 10 \left(\frac{1}{r} \right) = \frac{r}{r} = 1$$

$a \times d^v$
 $121 \times d^v = 1$

$$d^v = \frac{1}{121} \rightarrow d^v = \left(\frac{1}{11} \right)^v \quad \boxed{d = \frac{1}{r}}$$

$$a + 2d, a + 4d, a + 10d$$

$\quad \quad \quad +d \quad \quad \quad +d^v$

$$(a + 10d) \times (a + 2d) = (a + 4d)^2$$

$$a^2 + 20ad + 14d^2 = a^2 + 8d^2 + 16ad$$

$$-5ad = 2d^2$$

$$-5d = 2d^2 \rightarrow 0 = 10d + a$$

$$d = \frac{-5a \pm \sqrt{25a^2 - 4 \times 2 \times 0}}{4} = \frac{-5a \pm 5a}{4}$$

$$d = \frac{-5a}{10} = \frac{-5a}{r}$$

$$d = -\frac{a}{10}$$

$$-10d = a$$

ملاحظه:

$$r_d, r_d', \lambda d$$

$$a+d, a+r_d, a+v_d \quad q = \frac{\lambda d}{r_d} = r$$

$$t \quad +q \quad +q^r$$

$$t = \frac{1}{r} \quad +q^r = ? \rightarrow q^r = \frac{1.25}{r} = \frac{1.25}{r} = \frac{1.25}{r}$$

$$(a+v_d)(a+d) = (a+r_d)^r$$

$$a^r + \lambda a d + v_d^r = a^r + q d^r + q a d$$

$$r a d = r d^r$$

$$a = d$$

$$r a d, r a d^r, a d^r$$

$$q = ? = 1.25$$

$$t = d, t \neq d$$

$$r a q + a q^r$$

$$\frac{r a q + a q^r}{r} = r a q^r$$

$$a q (r + q^r) = r a q^r$$

$$r + q^r = r q$$

$$q^r - r q + r = 0$$

$$q = \frac{r \pm \sqrt{1 + 4 \times 1 \times 1}}{2} = \frac{r \pm r}{2} \quad r = r \quad b = 1$$

مثال

$$r, \frac{v}{r}, \dots, \frac{v}{r} - r, \frac{v}{r} - \lambda, \frac{v}{r} - \frac{1}{r} = d$$

$$a + r_d, a + v_d, a + r_d$$

$$a - \frac{r}{r}, a - \frac{v}{r}, a - r$$

$$a - r, \frac{a}{r}, \frac{1}{r}, -1$$

$$\frac{a}{r} + q, \frac{1}{r} + q, -1 + q$$

مثال

$$q^r + \frac{1}{r} - (q + \frac{a}{r}) = -1$$

$$-1 + q - (\frac{1}{r} + q) = -\frac{a}{r}$$

$$-1 + q = -\frac{a}{r}$$

$$q = \frac{r}{r} = \frac{a}{r}$$

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$$a + aq^r + aq^4 = vr$$

$$\downarrow \quad \downarrow \quad \downarrow$$
$$+ \quad +d \quad +9d$$

$$d = ?$$

$$aq^r - a = d$$

$$a(1 + q^r + q^4) = vr$$

$$a \times (1 + 1 + 9) = vr$$

$$a = 1$$

$$a(q^r - 1) = d$$

$$1 \times (1 - 1) = d$$

$$\sqrt{d = 0}$$

$$aq^4 - aq^r = 1d$$

$$aq^r(q^4 - 1) = 1d$$

$$a(q^4 - 1) = d$$

$$q^r = 1 \Rightarrow q = 1$$

10

mit $q \neq 1$

if $q = 1$

$$a + a + a = vr$$

$$a = vr/3$$

$$\Rightarrow vr/3(1 - 1) = d \Rightarrow d = 0$$

15