

نام و نام خانوادگی درس الی و الی پاسخنامه تشریحی تکلیف شماره ۱۵ ... کلاس ... هم زخمی ...

$$t_1 \cdot t_r \cdot t_\mu = 4K \rightarrow t_r q^- \cdot t_r \cdot t_r q = 7E \rightarrow t_r^\mu = 7E \rightarrow t_r = K$$

$$t_1 + t_r + t_\mu = 21 \rightarrow \frac{K}{q} + K + Kq = 21 \rightarrow K(\frac{1}{q} + 1 + q) = 21 \rightarrow \frac{21}{K} = \frac{1+q+q^r}{q}$$

$$\rightarrow 21q = K + Kq + Kq^r$$

$$= Kq^r - 10q + K \rightarrow (q-1)(q-14) \rightarrow q = \frac{1}{K}$$

$q^2 \varepsilon \rightarrow 00 \varepsilon$

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$$Kx^r = (x^r + \varepsilon)(x^r - 1) \rightarrow Kx^r = x^r + 2x^r - 1$$

$$x^r - 2x^r - 1 = 0$$

$$(x^r - 1)^2 - 1 = 0$$

$$(x^r - \varepsilon)(x^r + 1) = 0$$

$$x^r - \varepsilon = 0 \rightarrow x = \pm \sqrt{\varepsilon}$$

$$x = \sqrt{\varepsilon} : 1, \varepsilon, 1, \dots$$

$$x = -\sqrt{\varepsilon} : 1, -\varepsilon, 1, \dots \rightarrow 00 \varepsilon$$

$$a_1 = 1 \cdot q^2 \cdot \frac{1}{K} \rightarrow S_\infty = 1 \left(\frac{1 - (\frac{1}{K})^\infty}{1 - \frac{1}{K}} \right) = \frac{121}{11}$$

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$$1 + q + q^r + q^\mu + q^K = \frac{121}{11}$$

$\times a_1 = 2E^K$

$$a_1 + a_1 q + a_1 q^r + a_1 q^\mu + a_1 q^K = a_1 + a_r + a_\mu + a_\varepsilon + a_\varepsilon = \frac{121}{11} \times 2E^K = 242$$

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$$d = \frac{b-a}{n+1} \rightarrow \frac{4K-1}{4} = 10, \omega$$

$$1, \dots, \frac{A}{4}, \dots, 4E$$

$1 \leq 4E$

$$a_\varepsilon = 1 + 3(10, \omega) = 32, \omega$$

$$q, \dots, \frac{B}{4}, \dots, 7E$$

$B^r = 7E \rightarrow B = \pm 1$

$$A+B$$

$$= 32, \omega + 1 = 33, \omega$$

$\downarrow$

$$= 32, \omega - 1 = 31, \omega$$

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$$\frac{-94}{K}, \frac{-9\omega}{\varepsilon}, \frac{-9\varepsilon}{\varepsilon}, \dots \rightarrow t_{101} = \frac{-94}{K} + \frac{100}{\varepsilon} = 1$$

$+ \frac{1}{\varepsilon} = 0$

$$t_n = t_1 q^n = 1 \rightarrow q^n = \frac{1}{11n} \rightarrow q = \frac{1}{r}$$

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$$t_v^r = t_p \cdot t_q \rightarrow (t_1 + 4d)^r = (t_1 + 1d)(t_1 + 10d)$$

$$t_1^r + 4d^r + 11t_1d = t_1^r + 14d^r + 10dt_1 \rightarrow 10d^r + 11t_1d = 0$$

$$d(10d + 11t_1) = 0$$

$$\begin{aligned} 10d + 11t_1 &= 0 \\ 11(10d + t_1) &= 0 \rightarrow d = -\frac{t_1}{10} \end{aligned}$$

$$t_k^r = t_p \cdot t_n \rightarrow (t_1 + 13d)^r = (t_1 + d)(t_1 + 10d)$$

$$t_1^r + 13d^r + 13t_1d = t_1^r + 11d^r + 10dt_1 \rightarrow 2d^r - 3dt_1 = 0$$

$$2d(d - 3t_1) = 0$$

$$\frac{10d}{10}, \frac{13d}{13}, \frac{10d}{10}$$

$$\rightarrow d = \frac{13d}{10} = 13$$

$$t_{10} = \frac{1}{10} \times 13^9 = 13^8$$

$$\begin{aligned} d - 3t_1 &= 0 \\ d &= 3t_1 \end{aligned}$$

$$13t_1q^r, 13t_1q^r, t_1q^r$$

$$13t_1q^r = 13t_1q + t_1q^r \rightarrow 13t_1q^r = t_1q(13 + q^r)$$

$$13q = 13 + q^r$$

$$q^r - 13q + 13 = 0 \rightarrow q = \frac{13 \pm \sqrt{169 - 13^2}}{1} = 13 \pm 1$$

$$\mu$$

$$\text{قوة مضاعفة}$$

$$\begin{aligned} t_1 &= \frac{1}{10} - \frac{13}{10} = -\frac{12}{10} \\ t_{10} &= \frac{1}{10} - \frac{13}{10} = -\frac{12}{10} \\ t_{13} &= \frac{1}{10} - \frac{13}{10} = -\frac{12}{10} \end{aligned}$$

$$x + \frac{12}{10}, \frac{1}{10} + x, x - \frac{12}{10}$$

$$\frac{1}{14} + x + \frac{12}{10} = x + \frac{1}{10} - \frac{12}{10}$$

$$\frac{x}{10} = -\frac{12}{14} \rightarrow x = -\frac{12}{7}$$

$$\rightarrow -\frac{12}{7}, -\frac{12}{7}, -\frac{12}{7} \rightarrow q = \frac{-12}{-12} = 1$$

$$a_1 + a_1q^r + a_1q^r = 13 \rightarrow a_1q^r = a_1 + a_1(q^r - 1) \rightarrow a_1q^r = a_1 + 12a_1(q^r - 1)$$

$$a_1 + a_1d + a_1d = 13 \rightarrow q^r = 1 + 12q^r - 1$$

$$q^r - 12q^r + 1 = 0 \rightarrow (q^r - 1)(q^r - 1) = 0$$

$$d = 0 \rightarrow a = a_1q^r$$

$$13 = a + a_1q^r + a_1q^r$$

$$d = 0 \rightarrow 13 = a(1 + q^r + q^r)$$