

Subject: ----- ۱۱

A B - ۱۵۱/۱۵۱۵

$$a(1+q+q^2) \dots q^{n-1}$$

$$axaq \times aq^2 \cdot 9F$$

$$a^w q^w, 4F \rightarrow aq = F$$

$$\frac{a_1 Y_1}{1+q+q^r} \Rightarrow \frac{Y_1 q}{1+q+q^r} = F$$

$$1+q+q^2 \rightarrow 1/q, K+Kq+q^2 \rightarrow q^2 - 1/q + K = 0$$

$$9^2 - 109 + 19 = 0$$

$$q: \mathbb{F}_q \rightarrow \mathbb{F}_q, \quad q: \frac{1}{x} \mapsto (q-1)(q-14)29$$

$$n^r + r, \quad rn, \quad n^r - r \stackrel{\text{induction}}{\Rightarrow} \begin{cases} (n^r - r)(n^r + r) = n^r \\ n^r + rn^r - 1 = n^r \end{cases}$$

$$n^2 \frac{r \pm \sqrt{r^2 - 1}}{r} \approx n^2 - r n^2 - 120$$

$$\hookrightarrow \mathcal{K}_2 \rightarrow \mathcal{K} = \mathbb{Z}$$

$\lambda_{21}' \Rightarrow N, K, K, \checkmark$

$$n_2 - 1 \Rightarrow 1, 2 \rightarrow \text{نوعی } X$$

$$\left\{ \begin{array}{l} a_{12} \wedge \\ q_2 \frac{1}{r} \end{array} \right\} S_v \wedge \left(\frac{(1 - \frac{1}{r})^v}{1 - \frac{1}{r}} \right)_2$$

$$1 + q + q^p + q^{p^2} + q^{p^3} = \frac{1 - q}{1 - q^p} \quad \alpha_2 \text{ PFM}$$

$$a_2 = 1 \text{ km}$$

$$S_d = a + aq + aq^r + aq^r + aq^r + \left(\frac{|K|}{\Delta}\right)a = \frac{|K|}{\mu\Delta} \times \mu^d \times \mu^{\frac{d}{2}}$$

Date:

Subject:

$$L \rightarrow d = \frac{b-a}{n+1} = \frac{4r-1}{4} = 1/d \rightarrow d = 1/4 \rightarrow a = 1 + r \cdot d = 1 + r \cdot \frac{1}{4} = 1 + \frac{r}{4} = A$$

$$L \rightarrow q^{n+1} = \frac{b}{a} = q^4 = 4r \Rightarrow q = \sqrt[4]{4r}$$

$$L \rightarrow a = aq^r = 1 \wedge \wedge = B$$

$$A+B = \frac{1}{4} + \frac{1}{4} = \frac{1}{2}$$

$$B = 1, q = r \rightarrow A+B = \frac{1}{4} + 1 = \frac{5}{4}$$

$$q = -r \rightarrow B = -1 \rightarrow A+B = \frac{1}{4} - 1 = -\frac{3}{4}$$

$$-r, -\frac{r}{4}, \dots \rightarrow \frac{d-r}{4} - (-r) = \frac{1}{4}$$

$$a_{101} = a + 100d = -r + r = 0$$

$$1 \wedge a, aq, \dots \Rightarrow q_n = aq^n \Rightarrow 1 \wedge aq^n = 1 \Rightarrow q^n = \frac{1}{1 \wedge a} \Rightarrow q = \frac{1}{1 \wedge a}$$

$$(a+rd)(a+rd) = (a+rd)^2$$

$$\rightarrow a^2 + 2ard + r^2d^2 = a^2 + 2ard + r^2d^2$$

$$\rightarrow 2ard + r^2d^2 = 0$$

$$rd(1 \cdot d + a) = 0 \rightarrow \boxed{d = 0 \vee d = -\frac{a}{1}}$$

$$(a+rd)(a+rd) = (a+rd)^2$$

$$a^2 + 2ard + r^2d^2 = a^2 + 2ard + r^2d^2$$

$$rd^2 - r^2d = 0$$

$$rd(d-a) = 0 \rightarrow rd = 0 \rightarrow \left\{ \begin{array}{l} a = \frac{a+rd}{a-rd} = \frac{1d}{rd} = \frac{1}{r} \\ d-a = 0 \rightarrow d=a \end{array} \right.$$

$$a = \frac{1}{r} \Rightarrow a_1 = aq^1 = \frac{1}{r} \cdot r = 1 \wedge a$$

$$r a q, r a q^r, a q^r$$

1, v, w

-1

6. v, w

$$\frac{a q^r + r a q}{r} = r a q^r \Rightarrow a q^r + r a q = r^2 a q^r$$

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

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

$$(q-1)(q-r) = 0$$

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

X

✓

نتیجه می شود

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

$$a = r$$

$$a r = a + r d = \frac{a}{r}$$

$$a r = a + r d = \frac{1}{r}$$

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

$$a r = a + r d = -1$$

$$x^r + \frac{1}{r} x - \frac{d}{r} = x^r + \frac{1}{19} + \frac{1}{r} k \Rightarrow \frac{1}{r} x = \frac{-r}{19} \Rightarrow x = \frac{-r}{19}$$

$$q = \frac{a_1 r + k}{a_1 + k} \quad \frac{-r d}{r} = \frac{d}{r}$$

5

$$a + a q^r + a q^4 = v r \Rightarrow a(1 + q^r + q^4) = v r$$

$$a = a_1, a q^r = a + d, a q^4 = a + 4d \Rightarrow a + 4d(q^r - 1) = a(q^r - 1)$$

$$d = a q^r - a = a(q^r - 1) \quad a q^4 = a(q^r - 1) \Rightarrow$$

$$q^4 - q^r + 1 = 0 \Rightarrow (q^r - 1)(q^r - 1) = 0$$

$$q^r - 1 = 0 \Rightarrow q = 1 \Rightarrow d = a(q^r - 1) = 0$$

$$r a = v r \Rightarrow a = \frac{v}{r}$$

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

$$d = \frac{v}{r} (0) = 0$$

$$v r a = v r \Rightarrow a = 1$$

$$d = 1(1-1) = 0$$