

$$aq^{-1} \cdot a \cdot aq \cdot q^4 \Rightarrow a^2 \cdot q^4 \Rightarrow a \cdot q$$

$$\left(\frac{1}{q}\right)$$

$$aq^{-1} \cdot q + q \cdot aq \cdot q^4 \Rightarrow \frac{q}{q} + q^5 \cdot aq \cdot q^4 \Rightarrow \frac{q + q^5 \cdot aq^4}{q} \Rightarrow 1 + q^4$$

$$\Rightarrow q + q^5 \cdot q^4 \Rightarrow 1 + q^4 \Rightarrow q^4 - 1 + q^4 \Rightarrow (q-1)(q-1^2) \Rightarrow 0$$

$$\Rightarrow q \cdot \frac{1}{q} = 1$$

$$(u^2 - 1)(u^2 + 1) \Rightarrow u^4 - 1 \Rightarrow u^4 + 1 - 1 \Rightarrow u^4 \Rightarrow$$

$$u^4 - 1 - 1 \Rightarrow 0 \Rightarrow (u^2 - 1)(u^2 + 1) \Rightarrow 0$$

$$-1, 1$$

$$\sum_{n=1}^{\infty} \left(\frac{\left(\frac{1}{q}\right)^n - 1}{\frac{1}{q} - 1} \right) = \frac{-1}{1}$$

$$u^2 \Rightarrow 1 \Rightarrow \frac{1}{u} \Rightarrow \frac{1}{q}$$

$$a + aq + aq^2 + aq^3 + aq^4 \Rightarrow a(1 + q + q^2 + q^3 + q^4) \Rightarrow a \left(\frac{1^5 - 1}{1 - 1} \right)$$

$$\Rightarrow 1 + q + q^2 + q^3 + q^4 \Rightarrow \frac{1^5 - 1}{1 - 1}$$

$$\frac{q^5 - 1}{q - 1} \Rightarrow \frac{q^5 - 1}{q - 1} \Rightarrow 1, q, q^2, q^3, q^4$$

$$A \cdot a \cdot q \Rightarrow a \cdot q^d \Rightarrow 1 + q^d \Rightarrow q^d, q$$

$$q^{n+1} \cdot \frac{b}{a} \Rightarrow q^4 \cdot q^4 \Rightarrow q \Rightarrow -1, 1$$

$$a \cdot a \cdot q \Rightarrow a \cdot q^d \Rightarrow 1, -1$$

$$\Rightarrow A \cdot B \Rightarrow q^d, q \pm 1 \Rightarrow q, q^2, q^3, q^4$$

$$d = \frac{-90}{8} = (-15) = \frac{1}{8} \quad a_{1,1} = a_{1,1} = d = -15 + 17 = 2 \quad -8$$

$$a_{1,1} = 1, a_{1,2} = 17 \Rightarrow q^1 = \frac{1}{17} \Rightarrow q = \left(\frac{1}{17}\right)$$

$$(a+rd)(a+rd) = (a+rd)^2 \quad -9$$

$$\Rightarrow a^2 + 2ad + 17d^2 = a^2 + 17ad + 17^2 d^2 \Rightarrow -2ad = 17d^2$$

$$\Rightarrow -2a = 17d \Rightarrow d = \frac{-a}{17} \quad (\text{جمله های مشابه را با هم جمع می کنیم} \rightarrow d \neq 0)$$

$$a, aq, aq^2 \rightarrow \frac{1}{8}, \frac{q}{8}, \frac{q^2}{8}$$

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$$\frac{q}{8} = \frac{1}{8} + rd$$

$$- \frac{1}{8} = \frac{q}{8} - \frac{1}{8} = -rd$$

 $\times (-1)$

$$\frac{q^2}{8} = \frac{1}{8} + qd$$

$$\frac{q^2}{8} = \frac{1}{8} + qd$$

$$\frac{q^2}{8} - \frac{17q}{8} = -\frac{1}{8}$$

$$\frac{q^2}{8} - \frac{17q}{8} + \frac{1}{8} = 0$$

$$\Rightarrow \frac{q^2 - 17q + 1}{8} = 0 \Rightarrow (q-1)(q-17) = 0$$

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$$\Rightarrow q = 1 \Rightarrow a_{1,1} = 1 \Rightarrow 178$$

غیر قابل قبول

$$a, a+rd, a+rd \rightarrow 178q, 178q^2, aq^2$$

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$$\Rightarrow aq^2 + 178q = 178q^2 \Rightarrow aq(q^2 + 17) = 178q(178q)$$

$$\Rightarrow q^2 + 17 = 178q \Rightarrow q^2 - 178q + 17 = 0 \Rightarrow (q-178)(q-1) = 0$$

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غیر قابل قبول

Subject: _____

Date _____

$$r, \frac{v}{\varepsilon}, =$$

$$2) d = \frac{v}{\varepsilon} - r = -\frac{1}{\varepsilon} \Rightarrow a_{\varepsilon} = \frac{\delta}{\varepsilon}, a_1 = r + 1 \cdot V(-\frac{1}{\varepsilon}) = \frac{1}{\varepsilon}$$

$$a_{1r} = r + 1 \cdot (-\frac{1}{\varepsilon}) = -1$$

$$\frac{\frac{\delta}{\varepsilon} + n, \frac{1}{\varepsilon} + n, n-1}{(n + \frac{\delta}{\varepsilon})(n-1) = (n + \frac{1}{\varepsilon})^r}$$

$$n' + \frac{n}{\varepsilon} - \frac{\delta}{\varepsilon} = n' + \frac{n}{\varepsilon} + \frac{1}{19} \Rightarrow \frac{n}{\varepsilon} + \frac{1}{19} - \frac{n}{\varepsilon} + \frac{\delta}{\varepsilon} = 0$$

$$2) \frac{n}{\varepsilon} + \frac{1}{19} = 0 \Rightarrow \frac{n}{\varepsilon} = -\frac{1}{19} \Rightarrow n = -\frac{1}{\varepsilon}$$

$$\frac{\delta}{\varepsilon} - \frac{1}{\varepsilon}, \frac{1}{\varepsilon} - \frac{1}{\varepsilon}, -1 - \frac{1}{\varepsilon} \Rightarrow -\varepsilon, -\delta, -\frac{1}{\varepsilon}$$

$$q = \frac{\delta}{\varepsilon}$$

$$d = 0, q = 1 \leftarrow \text{Cực tiểu}$$