

تلف ١٥

بجای، بجای

$$a \quad aq \quad aq^2$$

$$a^2 q^2 = 9\varepsilon \quad aq = \varepsilon \quad a^2 q^2 = 19 \quad a = 19 - \varepsilon q$$

$$a + aqq = 19 \quad a + \varepsilon q = 19$$

$$q(19 - \varepsilon q) = \varepsilon \Rightarrow \varepsilon q + 19q + \varepsilon = 0 \Rightarrow \Delta = 19^2 - 9\varepsilon = 361$$

$$\frac{19 \pm \sqrt{361}}{2} = \begin{cases} 19 \\ \frac{1}{\varepsilon} \end{cases}$$

$$\frac{a_2}{a_1} = \frac{a_2}{a_1} \Rightarrow \frac{21^2 - 1}{21^2} = \frac{21^2}{21^2 + \varepsilon} \Rightarrow 21^2 + 21^2 - 1 = 21^2$$

$$21^2 - 1 = 0 \Rightarrow \Delta = 0 + 9\varepsilon = 9\varepsilon$$

$$\frac{0 \pm \sqrt{9\varepsilon}}{\varepsilon} = \begin{cases} 3 \\ -3 \end{cases}$$

$$\Lambda, \varepsilon, 2 \checkmark \quad q = \frac{1}{2} \quad \Lambda \left( \frac{1 - \frac{1}{19\Lambda}}{1 - \frac{1}{2}} \right) = \Lambda \left( \frac{\frac{19\Lambda}{19\Lambda}}{\frac{1}{2}} \right) = \Lambda \times \frac{19\Lambda}{\frac{1}{2}} = \frac{19\Lambda}{\Lambda}$$

$$\Lambda, -\varepsilon, 2 \times$$

$$2\varepsilon^2(1 + q + q^2 + q^3 + q^4) = 2\varepsilon^2 + 2\varepsilon^2 q + 2\varepsilon^2 q^2 + 2\varepsilon^2 q^3 + 2\varepsilon^2 q^4$$

$$2\varepsilon^2(1 + q + q^2 + q^3 + q^4) = 2\varepsilon^2 \times \frac{121}{11} = \frac{29\varepsilon^2}{11} = 29\varepsilon^2$$

$a, a + rd, a + 2d$

$a, aq^2, aq^4$

$$a = 1 \quad a + 9d = 9\varepsilon$$

$$a + rd = 19, a = A$$

$$a = 1 \quad aq^2 = 9\varepsilon$$

$$aq^2 = \Lambda$$

$$q^2 = \frac{9\varepsilon}{1} = 9\varepsilon$$

$$q = \sqrt{9\varepsilon} = \Lambda$$

$$A + B = \Lambda + 19, a = \boxed{9\varepsilon, \omega}$$

$$-2\varepsilon - \left(-\frac{9\omega}{\varepsilon}\right) = \frac{1}{\varepsilon} \quad t_{1,1} = -2\varepsilon + 100 \times \frac{1}{\varepsilon} = 1$$

$$19\Lambda, \dots, \frac{1}{a_1} \Rightarrow q = \boxed{\frac{1}{2}}$$



$$a+rd, a+sd, a+nd \quad (a+sd)^r = (a+rd)(a+nd) \quad (4)$$

$$\begin{array}{cc} \times q & \times q \\ \hline a^r + rda + sda + nda & = a^r + rda + sda + nda \end{array}$$

$$rda + sda = 0 \quad \Delta = \epsilon - 0 = \epsilon \quad \frac{-r \pm \sqrt{r^2 - 4\epsilon}}{2\epsilon} = \left\{ \begin{array}{l} 0 \\ \frac{1}{10} \end{array} \right.$$

$$\boxed{d = \frac{1}{10}} \quad \boxed{d = 0}$$

$$a+d, a+rd, a+vd \Rightarrow ra + \epsilon a + \lambda a \quad (v)$$

$$(a+rd)^r = (a+d)(a+vd)$$

$$a^r + rda + rda = a^r + ada + vda$$

$$rda = ada \quad d^r = ad \quad a = d$$

$$\frac{1}{\epsilon} \left( \frac{r^{10} - 1}{r - 1} \right) = \frac{1}{\epsilon} \cdot 10r^9 = \boxed{\frac{10r^9}{\epsilon}}$$

$$ra q, ra q^r, a q^r \quad (1)$$

$$\epsilon a q^r = ra q + a q^r$$

$$\epsilon q = r + q^r \quad q^r - \epsilon q + r = 0 \quad q = \left\{ \begin{array}{l} 1 \times \\ \sqrt{r} \end{array} \right.$$

$$n-1, \frac{1}{\epsilon} + n, n + \frac{a}{\epsilon} \longrightarrow -\frac{r_0}{\epsilon}, -\frac{r_0}{\epsilon}, -\frac{1}{\epsilon} \quad (9)$$

$$\frac{1}{14} + \frac{1}{r} n + n^r = n^r + \frac{1}{\epsilon} n - \frac{a}{\epsilon}$$

$$\frac{r_1}{14} + \frac{n}{\epsilon} = 0 \quad \frac{n}{\epsilon} = -\frac{r_1}{14\epsilon} \quad n = -\frac{r_1}{\epsilon} \quad \parallel$$

$$q = \frac{-\frac{r_0}{\epsilon}}{\frac{-r_0}{\epsilon}} = \boxed{\frac{a}{\epsilon}}$$

$$a, a+d, a+qd \quad (10)$$

$$a^r + rda + d^r = a^r + qad$$

$$rd = vad$$

$$d = va$$

$$a + a + va + a + qra = vr$$

$$vra = vr \quad a = 1$$

$$\boxed{d = v}$$