

$$\frac{x}{q} + x + xq = 21 \quad \frac{f}{q} + f + fq = 21 \rightarrow \frac{f}{q} + fq = 14$$

$$\frac{n}{q} \times n \times nq = 4f \rightarrow n^3 = 4f \rightarrow n = f$$

$$\frac{f + fq^2}{q} = 14$$

$$q \rightarrow \frac{32}{\Lambda} = f \rightarrow \bar{Q}\bar{Q}\bar{E}$$

$$q = \frac{-b \pm \sqrt{\Delta}}{2a} \rightarrow \frac{14 \pm \sqrt{196 - 4f}}{2}$$

$$\underbrace{x^2 + f}_{\Lambda}, \underbrace{2m}_{f}, \underbrace{n^2 - 2}_{2} \rightarrow (x^2 + f)(n^2 - 2) = 2m^2$$

$$n^2 + 2m - \Lambda = 2m^2 \rightarrow n^2 - 2m^2 - \Lambda = 0$$

$$q > 0 \quad \checkmark x = 2 \leftarrow n = \pm 2 \leftarrow f \leftarrow n^2 \leftarrow (x^2 - f)(m^2 + f)$$

$$a_v = a \left(\frac{1 - q^v}{1 - q} \right) \rightarrow \Lambda \left(\frac{1 - \frac{1}{14\Lambda}}{\frac{1}{14\Lambda}} \right) = \frac{14\Lambda}{14\Lambda} \times \frac{14\Lambda}{14\Lambda} = \frac{14\Lambda}{\Lambda}$$

$$a + aq + aq^2 + aq^3 + aq^4 = ?$$

$$a(1 + q + q^2 + q^3 + q^4) =$$

$$\frac{14\Lambda}{14\Lambda} \times \frac{14\Lambda}{14\Lambda} = \frac{14\Lambda}{14\Lambda}$$

$$1, \frac{14\Lambda}{14\Lambda}, 4f \quad d = \frac{4f - 1}{4} = \frac{4\Lambda - 1}{4} = 101\Delta = q \rightarrow 101\Delta = A \rightarrow 3 \times 101\Delta + 1 = 304\Delta$$

$$1, \frac{14\Lambda}{14\Lambda}, 4f \quad a^2 = b \cdot c \rightarrow a^2 = 1 \times 4f \rightarrow a^2 = 4f \rightarrow a = -\Lambda$$

$$A + B \rightarrow 304\Delta + (C - \Lambda) = 304\Delta$$

$$-2f, -9\Delta \quad -\frac{9\Delta}{f} + \frac{4f}{f} = \frac{1}{f} = q \rightarrow a_n = \frac{1}{f}n - \frac{9V}{f} \rightarrow \frac{101}{f} - \frac{9V}{f} = \frac{f}{f} = 1$$

$$14\Lambda, a_1, \dots \quad \frac{1}{a_1} = 14\Lambda \times a^V \rightarrow \frac{1}{14\Lambda} = q^V \rightarrow q = \frac{1}{14\Lambda}$$

$$a+rd, a+4d, a+1d$$

$$(a+4d)^r = (a+rd)(a+1d) \rightarrow a^r + 4rd^r + 1rad = a^r + 1ad + 2ad + 14d^r$$

$$\begin{matrix} -1d & -4d & -rd \\ \times \frac{1}{r} & \times \frac{1}{r} & \end{matrix}$$

$$rd^r + rad = 0$$

$$rd(1+d+a) = 0 \rightarrow rd = 0 \rightarrow d = 0$$

$$a+d, a+rd, a+vd$$

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

$$a^r + rd^r + 4ad = a^r + vad + ad + vd^r$$

$$rd^r - vad = 0$$

$$rd(d-a) \rightarrow rd = 0 \rightarrow d = 0 \rightarrow d = a$$

$$rd, rd, 1d \rightarrow q = r$$

$$rd = \frac{1}{r} \rightarrow d = \frac{1}{r}$$

$$t_n = \frac{1}{r} (r)^{n-1}$$

$$t_{10} = \frac{1}{r} (r^9)$$

$$t_{10} = \frac{1}{r} \times r^9 \times r^r = r^r = 128$$

$$raq, raq^r, aq^r$$

$$raq^r = aq^r + raq \rightarrow raq^r = aq^r + raq \rightarrow raq^r - aq^r - raq = 0$$

$$000 \leftarrow 0 = a \leftarrow aq = 0 \leftarrow aq(q^r + rq - r) = 0$$

$$000 \leftarrow 0 = q \leftarrow$$

$$-aq(q^r - (rq + r)) = 0 \rightarrow q = r$$

$$r, \frac{v}{r}, \dots$$

$$\frac{v}{r} - \frac{1}{r} = -\frac{1}{r} = d$$

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

$$a+rd, a+vd, a+1rd$$

$$an = -\frac{1}{r}n + \frac{q}{r}$$

$$\frac{-\frac{1}{r} \times \frac{1}{r}}{\frac{1}{r} - \frac{1}{r}} = \frac{d}{r} = q$$

$$a_r = -1 + \frac{q}{r} + \frac{d}{r}$$

$$a_1 = -1 + \frac{q}{r} = \frac{1}{r}$$

$$a_{11} = -\frac{14}{r} + \frac{q}{r} = \frac{-1}{r} = -1$$

$$\frac{1}{r} - \frac{1}{r}n + \frac{d}{r} = 0 \rightarrow \frac{1}{r} - \frac{1}{r}n + \frac{d}{r} = 0 \rightarrow \frac{1}{r} - \frac{1}{r}n + \frac{d}{r} = 0$$

$$\left(\frac{d}{r} + n\right) \left(\frac{1}{r} + n\right) \left(-1 + n\right)$$

$$\left(\frac{1}{r} + n\right)^r = (n-1) \left(\frac{d}{r} + n\right)$$

$$a + aq^r + aq^4 = 14$$

$$a(1 + q^r + q^4) = 14$$

$$aq^r - a = d \rightarrow d = a(q^r - 1)$$

$$aq^4 = a + 9d = a + 9a(q^r - 1)$$

$$d^4 = 1 + 9(q^r - 1) \rightarrow q^4 - 1 + 9q^r + 9 = 0$$

$$q^4 - 9q^r + 11 = 0$$

$$d = a(r^r - 1) \rightarrow a(0) = 0 \Rightarrow 000 \leftarrow q = 1 \leftarrow$$

$$d = a(r^r - 1) \rightarrow d = 1 \times (1 - 1) = 0 \rightarrow$$

$$a(1 + 1 + 1) = 14 \rightarrow a = 1$$

$$q = r - 1 \rightarrow q^r = (q^r - 1)(q^r - 1)$$