

$$\begin{aligned} a &= f_0 \\ a + r d &= g_1 \\ f_0 + r d &= g_1 \\ d &= V \end{aligned}$$

$$\begin{aligned} \epsilon_0 + (V)(n-1) &= P_0 \lambda \\ (n-1)(V) &= 19 \lambda \\ n-1 &= \frac{19 \lambda}{V} = 25 \Rightarrow n = 26 \end{aligned}$$

②

101, 101, 110, ... 99V

$$\frac{99V - 10V}{V} + 1 = 149 \checkmark$$

(7)

$$\begin{aligned} a_r + a_p + a_f &= 9 \\ a_d + a + r_d + a + r_d &= r_a + g_d = 9 \\ a_n = a + v_d &= -1 \\ a_{1v} = a + \frac{g}{d} &= -19 \\ -19 + (-1) &= -20 \quad \checkmark \end{aligned}$$

②

$$\begin{aligned} \cancel{a_r + a_{1r}} &= \cancel{a_\Lambda + a_\Lambda} \\ \cancel{(r-1)} + \cancel{r} &= \cancel{r} + \cancel{r} \\ a_r &= r - r = 0 \\ a_\Lambda &= r - r = 0 \\ a_{1r} &= r - r = 0 \end{aligned}$$

$$\begin{aligned} a_1 - a_1 r &= a_1 r - a_1 r^2 \\ r^{n+1} - r^n &= (r^n - r^{n-1}) - (r^n - r^{n-1})r \\ r^{n+1} &= r^n - r^n + r^{n+1} - r^n \\ r^n - r^n + r^{n+1} - r^n &= 0 \\ y^n - r y^{n-1} - \epsilon &= 0 \end{aligned}$$

$$x+1 \cdot (y+1)(y-\varepsilon) = 0$$

$$y = -1$$

$$y = \varepsilon$$

$$y > 0 \Rightarrow y = \varepsilon$$

$$x = y$$

②

$$a_{1r} - a_{1i} = a$$
$$a + 1/d - a - q_d = a$$
$$1/d = a$$
$$d = 1/a$$
$$a_{1r} + a_{1i} = 2a$$

$$\begin{aligned} \gamma_a + \gamma_o d &= \gamma_a \\ \gamma_a + \omega_o &= \gamma_a \\ \gamma_a &= -\gamma_o \\ a &= \frac{-\gamma_o}{\gamma} \end{aligned}$$

$$\frac{-R_2}{r} + \frac{100}{r} = \frac{V_d}{r} = 140$$

(7)

$$a + a_1 da + \gamma da + \gamma d + a_1 \gamma d = da + 1 \cdot d$$

$$|\delta a + \gamma_0 d| = \delta a + |\gamma_0 d|$$

$$a + ad + a_5 d + a_4 d + a_3 d + a_2 d + a_1 d + a_0 d = a + 9d$$

$$10a > 2d$$

$$a_Y = a + d = a + r a = r a$$

$$r_a = d$$

$$a_1 = a$$

$$\frac{r_x}{q} = r \checkmark$$

$$t_9 = t_8 + 10$$

$$a+1d = a + (n-1)d + 1d$$

$$V_d = 1A$$

$$d = \omega$$

$$t_q = a + \lambda d$$

$$t_q = a + f_0 \quad t_q^r = (a + f_0)^r = a^r + 190 \text{ or } 100a$$

$$t_{\text{total}} = a + \cancel{v}d$$

$$x = a + \cancel{10} r_0$$

$$t_a^r = (a + 100)^r = a^r + 100^r + r \cdot a^{r-1} \cdot 100$$

$$t_q^r - t_p^r = 1/\nu_{00} + \epsilon_{0a}$$

$$t_v = a + 9d = a + 70$$

$$\frac{100 + 50a}{50a} = \left(\frac{2}{1} \right)$$

$$P(1 - \sqrt{1/2}) \quad P - 12\sqrt{1/2}$$

$$\frac{1 + \sqrt{5} - 1 + 1\sqrt{5}}{1 + 1} = \frac{1 + \sqrt{5}}{2} = \sqrt{5} \quad \checkmark$$

$$\sum_{k=1}^n (k-1) = \frac{n(n-1)}{2}$$

$$d = \frac{r_0}{n-1} = \frac{12}{20-1}$$

$$a_1 = \gamma \quad a_{f_n-1} = \gamma\gamma$$

$$a_{n+1} = 1$$

$$a_{fn-1} = a + (fn-1)d = 17$$

$$a_{n+1} = a_1 + n\phi = r + n\left(\frac{1d}{r_{n-1}}\right) = 11$$

$$w_{r-1} + (E_{n-1})d$$

$$\frac{1 \cdot 5n}{2n-1} = 9 \Rightarrow 1 \cdot 5n - 9 = 1 \cdot 5n$$

$$n = 3 \quad \checkmark$$

$$(F_n - y)A = 50$$

$$a_{1V} + a_{1R} = a_1 + a_{1R} \Rightarrow n = 1$$

$$a_{\perp} = a + v_d$$

$$c_i = a + \tilde{d}_i$$

$$q + Vd = r_q + qd$$

$$-Y_d = Y_a$$

$$y_a + y_d = 0$$

$$a+d=0$$

$$a+d = a_p \quad \checkmark$$