

$$a_1 = r_0$$

$$a_f = a_1 + rd = 41 \quad \left. \begin{array}{l} \rightarrow rd = r_1 \\ d = V \end{array} \right\} \rightarrow a_n = Vn + r_1 r \rightarrow r_0 \Delta = Vn + r_1 r$$

$$Vn = 1VA \rightarrow n = 2a$$

$$1.0 \left( Vn + r_1 \right) \rightarrow 9V \left( Vn_1 \right) \rightarrow 131 \rightarrow \frac{9V}{V} \left( n_1 \right) \frac{994}{V} = 15r_1$$

$$1.5 \left( n_1 \right) \rightarrow \frac{1.5r_1 - 1.5}{1} + 1 = 1.996$$

$$\left. \begin{array}{l} n=1 \rightarrow a_1 + a_2 + a_3 = r_0 a_1 + 9d = -9(1) + 1r \\ n=2 \rightarrow a_1 + a_2 + a_3 = r_0 a_1 + 9d = -9(2) + 1r \end{array} \right\} \begin{array}{l} -rd = 9 \\ d = -r \end{array}$$

$$r_0 a_1 + 9(-r) = 9$$

$$r_0 a_1 = 18$$

$$a_1 = 4$$

$$a_{10} + a_1 = r_0 a_1 + r_0 d = r_0(4) + r_0(-r) = -r_0$$

$$a_{10} - a_1 = 9d$$

$$a_{10} - a_1 = 9d \rightarrow \frac{r_0 x}{r_0 - r} - \frac{x+1}{r} = \frac{r_0 x+1}{r_0 - r} - \frac{x}{r} + 1 \rightarrow \frac{r_0 x}{r_0 - r} + \frac{r_0}{r} - \frac{x}{r} - 1 = 0$$

$$(r_0 - r)(r_0 + 1) = 0 \quad \frac{r_0}{r} = -1 \quad \frac{r_0}{r} - 1 + \frac{r_0+1}{r} - \frac{r_0}{r} = 1 + 1 + 1 - 1 = 2$$

$$\frac{r_0}{r} = 2 \rightarrow r_0 = 2$$

$$\frac{a_{10}}{r_0} - \frac{a_1}{r_0} = d \rightarrow a_1 + 11d = (a_1 + 9d) = 2a \rightarrow rd = 2a \rightarrow d = 2r/a \rightarrow a_{10} + a_1 = 2a$$

$$r_0 a_1 + r_0 d = 2a \rightarrow r_0 a_1 + r_0 (2r/a) = 2a \rightarrow r_0 a_1 = 2a \rightarrow a_1 = 2r/a$$

$$a_{10} = -1r/a + r_0(2r/a) = 3r/a$$

$$\frac{\delta_a}{\delta_{10} - \delta_a} = \frac{1}{r} \rightarrow \frac{\frac{1}{r} (r_0 + (a-1)d)}{\frac{1}{r} (r_0 + (10-1)d) - \frac{1}{r} (r_0 + (a-1)d)} = \frac{1}{r}$$

$$\frac{a a_1 + 1.0d}{1.0 a_1 + r_0 d - a a_1 - 1.0d} = \frac{1}{r} \rightarrow \frac{1.0 a_1 + r_0 d}{1.0 a_1 = ad \rightarrow d = r a_1} \rightarrow \frac{a_1}{a_1} = \frac{a_1 + d}{a_1} = \frac{a_1 + r a_1}{a_1} = r$$

$$\frac{t_a^r - t_a^r}{t_v} = \frac{(t_a - t_a)(t_a + t_a)}{t_v} \rightarrow \Delta d = \Delta(a) = f_0 \quad -v$$

$$t_a + t_a = t_v + t_v = r t_v$$

$$\frac{r + \sqrt{r} - r(1 - \sqrt{r})}{r+1} = d \rightarrow \frac{r + \sqrt{r} - r + r\sqrt{r}}{r} = d \rightarrow r\sqrt{r} = r d \quad -\wedge$$

$$d = \sqrt{r}$$

$$a_{n+1} = a_1 + (n-1)d = 11 \quad d = \frac{r r - r}{r_n - r_{n+1}} = \frac{1a}{r_{n-1}} \quad -9$$

$$r + n \left( \frac{1a}{r_{n-1}} \right) = 11 \rightarrow \frac{1an}{r_{n-1}} = 9 \rightarrow 1an = 1an - 9 \rightarrow r_n = 9 \quad \boxed{n = r}$$

$$a_n + a_{n+r} = a_r + a_{1r} \rightarrow r a_1 + (n-1 + n+r)d = r a_1 + 1nd \quad -10$$

$$r n + r = 1n \rightarrow r n = 1n \rightarrow n = 1$$

$$a_n = r a_{\frac{n}{r}} \rightarrow a_n = r a_{\frac{n}{r}} \rightarrow a_1 + v d = r a_1 + r(r d) \rightarrow d = -a_1$$

$$a_n = a_1 + (n-1)d \rightarrow a_1 + (n-1)a_1 = 0 \rightarrow a_1(r-n) = 0 \quad r n = 0 \quad \boxed{n = r}$$