

$$t_1 = F_0 \quad t_f = q_1 \quad t_n = r_0 \Lambda$$

$$t_f - t_1 = r d \Rightarrow r d = r_1 \Rightarrow d = V$$

$$t_1 = V n + r r$$

$$V n + r r = r_0 \Lambda \Rightarrow V n = 1 V d \Rightarrow \boxed{n = r d}$$

$$101, 10\Lambda, 112, \dots, 99V$$

$$\frac{99V - 101}{V} + 1 = 119$$

$$a_1 + n d + a + (a+1)d + a + (n+r)d = r a + r n d + r d = -q_n + 1r$$

$$\Rightarrow r a + (r d) + (n+1) - q(-n+r) \Rightarrow a + (d)(n+1) = r(-n+r)$$

$$a V + a \Lambda = r a + r r d = r(a + 1 V d) \Rightarrow n = 1 V d$$

$$r(-1012+r) = -1V \Rightarrow a_{1V} + a \Lambda = r f$$

$$r^{n-1} + r^{rn} - r = r^{x+r}$$

$$r + r^{rn} - f = (r^x)(1+f) - f = f x r^x \Rightarrow \Delta - r^{r-x} = f \Rightarrow 1 - r^{r-x} = 0 \Rightarrow r^{r-x} = 1 \Rightarrow r-x=0 \Rightarrow x=r$$

$$t_{1r} - t_{10} = d \Rightarrow r d = d \Rightarrow d = r, d$$

$$t_{10} + t_{1r} = r d \Rightarrow r t_1 + r d = r d \Rightarrow t_1 + d = 1 V d \Rightarrow t_1 = -1 V, d$$

$$t_{r1} = -1 V, d + r, d \Rightarrow -1 V, d + d. \quad \boxed{r V, d}$$

$$r(\Delta a + 10d) = 10q + r d d \Rightarrow a = d d \Rightarrow a = \frac{1}{r} d$$

$$1 \Delta a + r d = \Delta a + r d$$

$$\frac{a+d}{a} = \frac{\frac{r}{r} d}{\frac{d}{r}} = r$$

$$a + rd = a + 1d \Rightarrow rd = 1d \Rightarrow d = 1$$

-v

$$t_0^r - t_0^r = (a + \Lambda d)^r - (a + \epsilon d)^r = a^r + r \epsilon d^r + 1 \epsilon d^r - a^r - 1 \epsilon d^r - \Lambda a d$$

$$\Rightarrow \epsilon \Lambda d^r + \Lambda a d = \Lambda a (a d + d) \Rightarrow \frac{\epsilon \Lambda d + \Lambda a d}{a + \epsilon d} = \frac{\epsilon \cdot (r + a)}{r + a} = \epsilon$$

$$\frac{r + \sqrt{r} - p + 1 \sqrt{r}}{1 r + 1} = \frac{1 \sqrt{r}}{1 r} = \sqrt{r}$$

-1

$$d = \frac{b-a}{(F_n - r) + 1} = \frac{r r - r}{F_n - r} = \frac{r}{F_n - r} \quad t_1 = r, \quad \underbrace{F_n - r}_{\text{back to } 0}, \quad t_n = r$$

-9

$$t_{n+1} = t_1 + (n+1-1)d \Rightarrow nd = 9 \quad nd = \frac{r \cdot n}{F_n - r} = 9 \Rightarrow r \cdot n = 9(F_n - 1)$$

$$4n = 11$$

$$\boxed{n = 3}$$

$$a_n + dn + r = a_r + a_{1V}$$

-10

$$(a + nd - d) + (a + nd + rd) = (a + rd) + (a + nd)$$

$$ra + (rn + r)d = ra + 1d \Rightarrow (rn + r)d = 1d$$

$$r_{n+r} = 1 \Rightarrow r_n = 1$$

$$\boxed{n = 1}$$