

$$t_1 = a, c_0$$

$$t_2 = a + 3d, c_1$$

$$3d = c_1 - c_0 = 1$$

$$d = \frac{1}{3}$$

$$t_n = c_0 + v(n-1)$$

$$t_n = c_0 + v(n-1) = 100$$

$$100 - c_0 = v(n-1)$$

$$v_n = 100$$

$$n = 20$$

$$100 \leq v_n + 3 \leq 999$$

$$97 \leq v_n \leq 994$$

$$100, \dots \leq n \leq 994, \dots$$

$$100 \leq n \leq 994$$

$$n = \frac{994 - 100}{1} + 1 = 905$$

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$$n=1 \rightarrow a + 3d + a + c_1 = 100$$

$$a + d + a + 2d + a + 3d = 100$$

$$3(a + d) = 100$$

$$n=2 \rightarrow a + 3d + a + c_2 = 100$$

$$a + 2d + a + 4d + a + 6d = 100$$

$$3(a + 2d) = 100$$

$$\begin{cases} a + 3d = 100 \\ a + d = 100 \end{cases} \rightarrow d = -\frac{1}{2}, a = 100$$

$$a + 3d = 100 \rightarrow a = 100 - 3d$$

$$2a + 2d = 100 - 6d + 2d = 100 - 4d = 100$$

$$t_{12} - t_1 = 11d \rightarrow a + 11d - a = 11d = 100 \rightarrow d = \frac{100}{11}$$

$$t_{12} + t_1 = a + 11d + a + d = 2(a + 6d) = 100 \rightarrow 2a + 12d = 100$$

$$t_{12} = 100/11 + 100/11(n-1)$$

$$a = -100/11$$

$$t_{12} = -100/11 + 100/11(10) = 0 - 100/11 = -90/11$$

$$x \cdot \frac{1}{\mu} + x \cdot \frac{1}{\mu} + x \cdot \frac{1}{\mu} + x \cdot \frac{1}{\mu} = \frac{1}{\mu} (x + x + x + x + x + x + x + x)$$

$$\Delta x = \frac{1}{\mu} (\Delta x + \mu \Delta d)$$

$$\Delta x = \frac{\Delta x}{\mu} + \frac{\mu \Delta d}{\mu}$$

$$\frac{1}{\mu} \Delta x = \frac{\mu \Delta d}{\mu} \rightarrow x = \mu \Delta d$$

$$\frac{t_r}{t_i} = \frac{x - d}{x - \epsilon d} = \frac{\epsilon \Delta d - d}{\epsilon \Delta d - \epsilon d} = \frac{1 - \Delta d}{1 - \Delta d} = 1$$

$$t_w = t_{w-p} + 1 \Delta \Rightarrow t_w = 1 \Delta \rightarrow t_w + \alpha \frac{1}{\epsilon} \Delta = 1 \Delta$$

$$t_s = t_w + 1 \Delta = \epsilon_0 \rightarrow t_h = \Delta h$$

$$\underline{\Delta} = \frac{\omega_0 - 1 \Delta}{\mu} = \underline{\Delta}$$

$$\frac{t_q^r - \epsilon_0^r}{\epsilon_r} = \frac{\epsilon_0^r - \epsilon_0^r}{\epsilon_0} = \underline{\epsilon_0}$$

$$d = \frac{x + \sqrt{\mu} - x + 1 \sqrt{\mu}}{1 \mu} = \frac{1 \sqrt{\mu}}{1 \mu} = \underline{\sqrt{\mu}}$$

$$\Delta = \frac{\mu \mu - \mu}{\mu \mu - \mu} = \frac{\mu_0}{\mu(\mu_{n-1})} = \frac{1 \Delta}{\mu_{n-1}}$$

$$t_{n+1} = 1 \Delta = d + n(d)$$

$$1 \Delta = \mu + n \left(\frac{1 \Delta}{\mu_{n-1}} \right) \rightarrow \frac{1 \Delta n}{\mu_{n-1}} = q$$

$$\begin{aligned} 1 \Delta n &= 1 \Delta n - q \\ \mu_n &= q \\ &\rightarrow \underline{\mu} \end{aligned}$$

$$t_n + t_{n+r} = t_w + t_r$$

$$t_n = \mu t_r$$

$$t_n = \mu t_r$$

$$a_r \mu d = \mu a + q d$$

$$- \mu a = \mu d$$

$$\underline{\mu a = d} \rightarrow t_n = a + (n-1) \Delta$$

$$\mu a - a_n \rightarrow \underline{t_n = 0}$$