

$$t_n = 5, 9, 13, \dots$$

$$a_n = \varepsilon_n + 1$$

$$a_{10} = \varepsilon_{10} + 1 = 11$$

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$$t_n = 9, 10, 11, \dots$$

$$\frac{10}{2} (\varepsilon_2 + 9) = 240$$

$$a_n = \varepsilon_n + 2$$

$$d = 1$$

$$S_{\varepsilon} = \frac{\varepsilon}{2} (130 + 111) = 1205$$

$$t_{21} = \varepsilon \times 21 + 2 = 111$$

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$$t_n = 1 + \sqrt{3}, 2, 3 - \sqrt{3} \rightarrow d = 1 - \sqrt{3}$$

$$t_{25} - t_{23} = 2d = 2(1 - \sqrt{3}) = 2 - 2\sqrt{3}$$

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$$a_n = d^{r_n}, r \times r_n, d^y$$

$$d \times d^{r_n} = d^y \Rightarrow y = r_n + 1$$

$$b_n = n, r, y \Rightarrow \varepsilon = n + y_{r_{n+1}} \Rightarrow \varepsilon = r_n + 1 \Rightarrow n = 1$$

$$\Rightarrow y = 3$$

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$$r_n - \varepsilon, r_n - 1, 9n, \dots$$

$$r_n - 1 + 3 = 9n$$

$$r_n + 2 = 9n \Rightarrow n = \frac{1}{9}$$

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$$t_{\varepsilon} = 9n + 3 = \frac{9}{9} + 3 = 4$$

$$a_n = \{ \textcircled{3}, \textcircled{11}, \textcircled{9}, \textcircled{11} \} \quad q_{n-1}$$

$$b_n = \{ \textcircled{2}, \textcircled{11}, \textcircled{1}, \textcircled{11} \}$$

$$\left. \begin{aligned} q_{n-1} \leq \varepsilon_1 &\rightarrow q_n \leq \varepsilon_2 \rightarrow n \leq V \\ q_{n-1} \leq \Delta q &\rightarrow q_n \leq q_0 \rightarrow n \leq 1. \end{aligned} \right\} \xrightarrow{n} n \leq V$$

$$\begin{aligned} a_1 + \overset{-d}{a_r} + \overset{+d}{a_r} &= 21 \Rightarrow a_r = \frac{21}{2} = V \\ a_1 + \overset{-2d}{a_r} + \overset{+2d}{a_r} &= 1 \cdot \Delta \Rightarrow a_r = \frac{1 \cdot \Delta}{2} = 2d \end{aligned} \Rightarrow d = 21$$

$$a_r - a_r + a = 2d - V - 21 = V$$

$$a_1 = V - 21 = -21 \quad \left[\frac{V}{-21} = \frac{1}{2} \right]$$

$$\begin{aligned} a_r - d + a_r + a_r + d &= 1d \Rightarrow a_r = d = a_1 + d \\ a_2 + a_d &= 2d \Rightarrow a_1 + 2d + a_1 + \varepsilon d = 2d \Rightarrow 2a_1 + Vd = 2d \\ &\Rightarrow 2d = 10 + \Delta d \\ &\Rightarrow d = 3 \Rightarrow a_1 = 2 \\ a_{10} &= a_1 + 9d = 2 + 27 = 29 \end{aligned}$$

$$S_9 = 9 \cdot 5r$$

$$\frac{9}{r}(a_1 + a_9) = 9 \times \frac{r}{r} \times (a_1 + a_r) \quad \frac{a_{10}}{a_9} = \frac{a_1 + 9d}{a_1 + d} = \frac{19/2d}{9/2d} = 3$$

$$\frac{1}{r}(a_1 + 11d) - \frac{r}{r}(a_1 + 2d) = a_1$$

$$\frac{1}{r}a_1 + \varepsilon d - \frac{2a_1}{r} + 2d = a_1 \Rightarrow 2a_1 = d \Rightarrow \frac{d}{r} = a_1$$

$$a_V - a_1 = 9d = 28 - 11 = 17 \Rightarrow d = \varepsilon$$

$$a_\varepsilon = a_1 + 2d = 11 + 12 = 23$$

$$\cancel{21 - 23 = -2} \quad \cancel{21 - 12 = 9}$$

$$b_1 + 2d = 23 \rightarrow 2d = -12 \Rightarrow d = -6 \quad d = \frac{13 - 21}{n+1} = -d$$

$$\Rightarrow n = \varepsilon$$