

$$+f + f + f \Rightarrow d = f$$

$$t_n = \omega, 9, 13, 17, \dots$$

$$t_n = t_1 + (n-1)d = \omega + f(n-1)$$

$$= \omega + 4n - 4 = 4n + 1$$

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$$t_{10} = \omega + f(9) = \omega + 36 = 41$$

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$$+f + f$$

$$t_n = 9, 10, 11, 12, 13, \dots$$

$$t_n = 9 + f(n-1)$$

$$t_{10} = 9 + (f \times 9) = 42$$

$$S_{10} = \frac{10}{2} (f \times 9 + 9) = 135$$

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$$1, \sqrt{3}, 2, 3, 4, \dots$$

$$1 + \sqrt{3}, 2, 3 - \sqrt{3}, \dots$$

$$d = 2 - 1 - \sqrt{3} = 1 - \sqrt{3}$$

$$d = 3 - \sqrt{3} - 2 = 1 - \sqrt{3}^*$$

$$t_{10} - t_{10} = 2d$$

$$t_1 + 2d - t_1 - 2d = 2d$$

$$* 2d = 2(1 - \sqrt{3}) = 2 - 2\sqrt{3}$$

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$$a_n = \omega^n, 3 \times \omega^n, \omega^2$$

$$\rightarrow \omega^n, 3 \times \omega^n, \omega^2$$

$$\frac{a+b}{2} = b$$

$$\omega^n + \omega^2 = 3 \times \omega^n$$

$$\omega^n (\omega^{2-n} + 1) = \omega^n \times 3$$

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$$b_n = x, y, z \Rightarrow$$

$$\left. \begin{array}{l} x+y = f \\ y = x+1 \end{array} \right\} \Rightarrow x + x+1 = f \Rightarrow 2x = f-1 \Rightarrow x = \frac{f-1}{2}$$

$$y = x+1 = \frac{f-1}{2} + 1 = \frac{f+1}{2}$$

$$\omega^{y-2n} + 1 = 7$$

$$\omega^{y-2n} = \omega^1 \Rightarrow y-2n = 1$$

$$* (y = 2n+1)$$

$$xy = 1 \times 3 = 3$$

$$-2, -1, 0, 1, 2, \dots \Rightarrow \frac{a+b}{2} = c$$

$$\frac{a_n - f}{2} = y - 1 \Rightarrow f - 1 - f = y - 1 \Rightarrow y = 1 \Rightarrow n = \frac{1}{2}$$

$$t_1 = 2\left(\frac{1}{2}\right) - 1 = 1 - 1 = 0$$

$$t_2 = 2\left(\frac{1}{2}\right) - 1 = 1 - 1 = 0$$

$$t_3 = 2 \times \frac{1}{2} = 1$$

$$d = 1 - 0 = 1$$

$$t_n = -1 + (n-1)(1) \rightarrow t_6 = -1 + (5 \times 1) = 4$$

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$$b_n = r + (n-1)r = r + (19) \times r = 20r \leftarrow b_{r_0}$$

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$$a_1, a_2, a_3, a_4, a_5, \dots$$

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