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$$z_n = 3n^2 - 1$$

$$z_1 = 3 - 1 = 2$$

$$z_2 = 12 - 1 = 11$$

$$z_3 = 27 - 1 = 26$$

$$z_4 = 48 - 1 = 47$$

$$z_5 = 75 - 1 = 74$$

$$z_n = \frac{2n+1}{n+2}$$

$$z_1 = \frac{2 \cdot 1 + 1}{1 + 2} = \frac{3}{3} = 1$$

$$z_2 = \frac{2 \cdot 2 + 1}{2 + 2} = \frac{5}{4}$$

$$z_3 = \frac{2 \cdot 3 + 1}{3 + 2} = \frac{7}{5}$$

$$z_4 = \frac{2 \cdot 4 + 1}{4 + 2} = \frac{9}{6} = \frac{3}{2}$$

$$z_5 = \frac{2 \cdot 5 + 1}{5 + 2} = \frac{11}{7}$$

$$z_n = \frac{c-1}{n+2} \quad z_{12} = \frac{1}{12} \quad \left[\frac{1}{12} \right] = 0$$

$$z_n = 2n - \left[\frac{n}{12} \right] \quad z_{12} = 24 - \left[\frac{12}{12} \right] = 24 - 1 = 23$$

$$z_n = 2n - 10$$

$$2n - 10 \leq 0 \rightarrow 2n \leq 10 \rightarrow n \leq 5$$

از این معادله می توان گفت که حقیقی است

$$z_n = n^2 - 14n + 40$$

$$(n-10)(n-4) < 0$$

$$\frac{10}{4} < n < 10 \rightarrow n = 5, 6, 7, 8, 9$$

$$z_n = 2n - 14$$

$$2n - 14 \leq 0 \rightarrow 2n \leq 14 \rightarrow n \leq 7$$

از این معادله می توان گفت که حقیقی است

$$z_n = n^2 - 12n + 27$$

$$(n-9)(n-3) \leq 0 \rightarrow n = 3, 4, 5, 6, 7, 8, 9$$

$$\frac{9}{3} < n < 9 \rightarrow [3, 9]$$

$$z_n \rightarrow z_3 = 0 \quad z_9 = 0$$

$$z_9 = z_3 + d \rightarrow 0 = 0 + d \rightarrow d = 0$$

$$z_6 = z_3 - d \rightarrow 0 - 0 = 0$$

$$z_6 \rightarrow 0$$

$$z_n = n^2 - 9n + 2$$

$$z_1 = 1 - 9 + 2 = -6$$

$$z_2 = 4 - 18 + 2 = -12$$

$$z_3 = 9 - 27 + 2 = -16$$

$$z_4 = 16 - 36 + 2 = -18$$

$$z_5 = 25 - 45 + 2 = -18$$

$$z_6 = 36 - 54 + 2 = -16$$

الان بعد از این

$$\rightarrow z_n = n^2 + \alpha n + 1$$

$$z_1 = \alpha$$

$$\begin{matrix} z_1 = \alpha \\ z_2 = 1^2 \end{matrix} \downarrow \text{س}$$

$$(b) z_n = -F_2 - V_2 - A_2 - V_2 - F_2 - \dots$$

$$(1) - \alpha - \mu - 1 + 1 + \mu$$

$$- \alpha = -\mu + \mu + \mu + \mu + \mu$$

$$\alpha = \mu \rightarrow \alpha = 1$$

$$ax^2 + bx + c$$

$$x^2 + bx + 1 =$$

$$z_1 = 1 + b + 1 = -\mu$$

$$b = -4$$

$$z_n = x^2 - 4x + 1 \rightarrow z_{10} = 100 - 40 + 1 = 61$$

$$z_n^{-V} = -\alpha, -1, 1, \mu$$

$$\begin{matrix} 1 & + & \alpha & + & 1 & + & \mu \\ & + & \mu & + & \mu \end{matrix}$$

$$\begin{matrix} \alpha = \mu \\ \alpha = \mu \end{matrix}$$

$$ax^2 + bx + c \rightarrow z_n$$

$$\mu x^2 + bx - V =$$

$$\mu + b - V = -\alpha$$

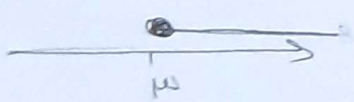
$$b = -1$$

$$z_n = \mu x^2 + x - V$$

$$z_n = \mu n^2 - n - V$$

$$[\mu, +\infty) \cap (-\infty, \alpha + \mu] \rightarrow$$

$$\begin{matrix} d \geq \alpha \\ [\mu + 1, \alpha + \mu] \end{matrix}$$



$$\mu + 1 \geq \alpha + \mu \rightarrow \alpha \geq 1$$

$$\frac{100}{\alpha} \quad \left[\alpha \frac{10}{10} \right] = \alpha$$

$$\left[\mu \frac{\mu}{\mu} \right] = \mu \mu$$

$$\mu \mu + \mu - \alpha = \mu V \cdot b$$

$$\mu_0 = [\mu_0]$$

$$\frac{100}{\mu} \left[\frac{10}{\mu} \right] = \mu$$