

الف $z_n = 3n^2 - 1$

$z_1 = 3 - 1 = 2$

$z_2 = 12 - 1 = 11$

$z_3 = 27 - 1 = 26$

$z_4 = 48 - 1 = 47$

$z_5 = 75 - 1 = 74$

ب $z_n = \frac{2n+1}{n+2}$

$z_1 = \frac{3}{4}$

$z_2 = \frac{5}{6}$

$z_3 = \frac{7}{8}$

$z_4 = \frac{9}{10}$

$z_5 = \frac{11}{12}$

الف $z_n = \frac{c-10}{n+2}$ $z_{12} = \frac{-1}{14}$ $\left[\frac{13}{14} \right] = 0$

ب $z_n = 2n - \left[\frac{n}{2} \right]$ $z_{12} = 24 - \left[\frac{12}{2} \right] = 24 - 6 = 18$

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الف $z_n = 2n - 10$

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

برای n که کوچکتر از ۵ حقیقی است

ب $z_n = n^2 - 14n + 40$

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

$\frac{10}{10-4} + \frac{4}{4-4} \rightarrow (4, 10)$
حقیقی $n = 5, 6, 7, 8, 9$

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الف $z_n = 2n - 14$

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

برای n که کوچکتر از ۸ حقیقی است

ب $z_n = n^2 - 12n + 27$

$(n-9)(n-3) \leq 0 \rightarrow n = 3, 9$

$\frac{9}{9-3} + \frac{3}{3-3} \rightarrow [3, 9]$
حقیقی $n = 3, 4, 5, 6, 7, 8, 9$

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$z_n \rightarrow z_2 = 7, z_3 = 9$

$z_2 = z_3 + d \rightarrow 7 = 9 + d \rightarrow d = -2$

$z_3 = z_2 - d \rightarrow 9 = 7 - d \rightarrow d = -2$

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الف $z_n = n^2 - 9n + 2$

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

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

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

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

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

الهام بقدرت

$$\rightarrow z_n = n^p + pn + 1$$

$$z_1 = a$$

$$\begin{matrix} z_1 = a \\ z_p = 1^p \end{matrix} \downarrow \text{س}$$

$$(b) z_n = -p_0 - V_0 - 1_0 - V_0 - p_0 - \dots$$

$$(c) - \underbrace{\omega}_{-p} \quad \underbrace{-1}_{-1} \quad \underbrace{+1}_{+1} \quad \underbrace{+p}_{+p}$$

$$p - \omega = -p + p + p + p + p$$

$$p\alpha = p \rightarrow \alpha = 1$$

$$ax^p + bx + c$$

$$x^p + bx + 1 =$$

$$z_1 = 1 + b + 1 = -p$$

$$b = -4$$

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

$$z_n^{-V} = -a_0 - 1_0 - 1_0 - p_1$$

$$\underbrace{1}_{+1} \quad \underbrace{+ \omega}_{+1} \quad \underbrace{+ 1}_{+1} \quad \underbrace{+ p_1}_{+p}$$

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

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

$$z_n = px^p + x - V$$

$$px^p + bx - V =$$

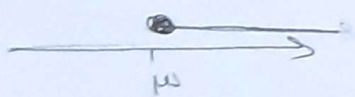
$$p + b - V = -4$$

$$b = -1$$

$$[p\alpha + 1, +\infty) \cap (-\infty, \alpha + p] \rightarrow \text{شای}$$

$$d \geq \alpha$$

$$[p\alpha + 1, \alpha + p]$$



$$p\alpha + 1 \geq \alpha + p \rightarrow \underline{\alpha \geq p}$$

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

$$\left[\frac{p}{p} \frac{p}{p} \frac{1}{p} \right] = \frac{p}{p}$$

$$p + p + p + p + p = 5p$$

$$p + p + p + p + p = 5p$$

$$p + p + p + p + p = 5p$$

$$p_0 = [p_0]$$

$$\frac{100}{a} \leftarrow a_0$$