

$$V, 11, V9, VU, VV$$

نکته: 1

$$t_n = \frac{V}{n+1}$$

$$\frac{V}{d} = \frac{d}{4} = \frac{V}{U} = \frac{9}{1} = \frac{11}{9}$$

$$t_n = \frac{V}{n+1}$$

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$$\frac{(-1)^n}{\sqrt{13+2}} = -1$$

نکته: 2

$$t_n = \frac{(-1)^n}{\sqrt{n+2}}$$

$$V, 11, V9, VU, VV \Rightarrow \left[\frac{V}{9} \right] = V9 - \left[\frac{V}{9} \right] = V9$$

$$t_n = \frac{V}{n+1}$$

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نکته: 3

$$t_n = \frac{V}{n+1} \Rightarrow \frac{V}{n+1} = \frac{1}{1-\phi} \Rightarrow \bar{1}$$

$$\frac{1}{2} \Rightarrow t_n = \frac{V}{n+1} = \frac{1}{n+1} \Rightarrow \bar{1}$$

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نکته: 4

$$t_n = \frac{V}{n+1} \Rightarrow \frac{V}{n+1} = \frac{1}{1-\phi} \Rightarrow \bar{1}$$

$$t_n = \frac{V}{n+1} \Rightarrow \frac{V}{n+1} = \frac{1}{1-\phi} \Rightarrow \bar{1}$$

$$20 \Rightarrow t_n = \frac{V}{n+1} \Rightarrow \frac{V}{n+1} = \frac{1}{1-\phi} \Rightarrow \bar{1}$$

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min, bnd

4

$$t_n = n^2 - 4n + 1 \Rightarrow \begin{cases} x = \frac{4}{2} = 2 \\ 4x^2 - 4x + 1 = 1 \end{cases}$$

$$b) t_n = n^2 + 4n + 1 \Rightarrow \begin{cases} x = \frac{-4}{2} = -2 \\ (x+2)^2 + 1 = 1 \end{cases}$$

$$+1 = 2a \quad a = 1$$

$$t_0 = 1 \Rightarrow c = 1 \quad n^2 + bn + 1$$

$$1 + b + 1 = -4 \quad b = -4 \quad t_n = n^2 - 4n + 1$$

$$an^2 + bn + c$$

$$t_{10} = 10^2 - 4 \cdot 10 + 1 = 100 - 40 + 1 = 61 \leftarrow t_1$$

$$2a = 4 \quad a = 2$$

$$t_0 = -1 \Rightarrow c = -1$$

$$n^2 + bn - 1$$

$$1 + 2b - 1 = -4 \quad 2b = -4 \quad b = -2 \quad t_n = n^2 - 2n - 1$$

1/2

$$\text{if } a + x < x + 1 \Rightarrow \emptyset \rightarrow \text{مستحيل} \rightarrow a < -x$$

$$\text{if } a - x = x + 1 \Rightarrow \emptyset \rightarrow \text{مستحيل} \rightarrow a = -x$$

$$\text{if } a + x > x + 1 \Rightarrow \text{مستحيل} \rightarrow \emptyset$$

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$$3 < x < 99 \rightarrow \frac{99}{2} + 1 = 50$$

$$a < x < 9a \rightarrow \frac{9a}{2} + 1 = 19$$

$$x \in \mathbb{N} \mid x = 10n, 10 \leq x \leq 90 \rightarrow \frac{90}{10} + 1 = 10$$

$$n(B) + n(B) - n(B \cap B) = 10 + 10 - 10 = 10$$

