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Date

No

نام و نام خانوادگی

۱) $\frac{b}{a} = \frac{v}{u}$ و $\frac{b}{a} = \frac{v}{u}$ و $\frac{b}{a} = \frac{v}{u}$ الف

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دنباله ضعیف است

$a_n = v$ $a_n = v$

$a_n + b_n = v$

$a_n + b_n = v$

$a_n + b_n = v$

• dot note

$a_n + b_n = v$ $a_n + b_n = v$ $a_n + b_n = v$

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$$الف) h = \frac{-b}{2a} = \frac{-6}{2} = -3 \rightarrow 3^2 - 6(3) + 2 = 9 - 18 + 2 = -7$$

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$$ب) h = \frac{-b}{2a} = \frac{-6}{2} = -3 \rightarrow (-3)^2 + 6(-3) + 1 = 9 - 18 + 1 = -8$$

$$-4, -7, -1, -3, \dots$$

$$2a < 1 \rightarrow a < 0.5$$

$$\begin{cases} t_1 < -1 \rightarrow a + b + c = -3 \\ t_2 = -1 \rightarrow 4a + 2b + c = -7 \end{cases} \quad \begin{matrix} b = -4 \\ c = 1 \end{matrix}$$

$$an, n^2 - 4n + 1 \rightarrow a_1 = 41$$

$$\begin{aligned} & -1, -1, 1, 1, \dots \\ & +1, +1, 9, 25, 49, \dots \end{aligned}$$

$$a = \frac{2}{2} = 1$$

$$t_h = an + b$$

$$t_h = 2h - 1$$

$$t_h = 2h + b$$

$$t_1 = -1 \rightarrow -1 = 2 + b \rightarrow b = -3$$

$$2h - 1 = 2h + b - 3$$

$$b = -1$$

$$2a + 1 > a + 1 \rightarrow a > 0$$

$$2a + 1 < a + 1 \rightarrow a < 0$$

$$I \cap II \rightarrow a > 0$$

$$1) \quad 1, 4, 9, 16, 25, \dots \rightarrow \frac{1^2}{1} + \frac{4^2}{4} + \frac{9^2}{9} + \frac{16^2}{16} + \frac{25^2}{25} + \dots$$

$$2) \quad 1, 4, 9, 16, 25, \dots \rightarrow \frac{1^2}{1} + \frac{4^2}{4} + \frac{9^2}{9} + \frac{16^2}{16} + \frac{25^2}{25} + \dots$$

$$3) \quad 1, 4, 9, 16, 25, \dots \rightarrow \left[\frac{1^2}{1} + \frac{4^2}{4} + \frac{9^2}{9} + \frac{16^2}{16} + \frac{25^2}{25} + \dots \right] = 4$$

$$4) \quad 19 + 23 - 4 = 44$$