

نظم

①

$$\tau = a n^2 + b n + c$$

$$x_1 = \frac{w}{r} + b \rightarrow o = \frac{w}{r} + b$$

$$t_h = \frac{W}{r} h^r - \frac{W}{r} h \rightarrow t_l = \frac{W}{\underbrace{F_{oh.}}_{10. - 10}} (1.)^r - \frac{W}{r} \times 1. = 1W$$

②

$$C = 0$$

$$t_n = an^r + bn + c$$

$$t_1 = \frac{1}{r} + b \rightarrow c = \frac{1}{r} + b$$

$$b_2 - \frac{1}{2}$$

$$t_h = \frac{1}{r} h^2 + \frac{1}{r} h \quad (1)$$

$$\omega\omega = \frac{1}{r}(n)^r - \frac{1}{r}n$$

$$t_1 = 14 = 2$$

③

$t = \lambda x(1) - \mu \rightarrow \begin{matrix} \lambda \\ \mu \end{matrix}$

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انلی → ۵, ۹, ۱۳, -
۲۴ + ۴

$$t_h = t_{n+1}$$

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$$t_h = (x||+1) \rightarrow \boxed{ca}$$

$$\frac{-1}{\cancel{2}}, \frac{1}{2}, \frac{-1}{\cancel{2}}, \frac{1}{2} \rightarrow -1, \frac{1}{2}, -\frac{1}{2}, \frac{1}{2}, \dots$$

(5)

$$b_n = \frac{(-1)^n}{-2V} - \frac{V \times (-1)^n}{-1} = \boxed{-1}$$

$$\boxed{k=1}$$

(6)

$$-1 = -\omega n + 2\pi$$

$$\frac{V}{\omega} + \frac{\omega n}{\omega} \rightarrow \boxed{n=1}$$

(7) (8)

$$a_1, a_V$$

$$a + 9d - a + 7d = 12 \rightarrow 16d = 12 \rightarrow \boxed{d = \frac{12}{16}}$$

$$a + 2d - a = 2d \rightarrow \frac{2 \times \frac{12}{16}}{2} = \boxed{1}$$

$$a_r = V \quad a_r = 10 \rightarrow 1, V, 11, 10$$

$$\frac{V+10}{2} = 11$$

(9)

$$1, 11, \dots$$

$$\boxed{b = 10 - 10}$$

Date

No

$$\frac{V}{2} + \frac{V}{V} + \frac{V}{4} + \frac{V}{11} + \frac{V}{13} + \frac{V}{12} + \frac{V}{14} \rightarrow \frac{1}{\frac{1}{2} + \frac{1}{V} + \frac{1}{4} + \frac{1}{11} + \frac{1}{13} + \frac{1}{12} + \frac{1}{14}}$$

$$\frac{1}{\frac{1}{2} + \frac{1}{V} + \frac{1}{4} + \frac{1}{11} + \frac{1}{13} + \frac{1}{12} + \frac{1}{14}} \rightarrow \frac{1}{\frac{1}{2} + \frac{1}{V} + \frac{1}{4} + \frac{1}{11} + \frac{1}{13} + \frac{1}{12} + \frac{1}{14}}$$

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$$t_h = A_n + B_n \rightarrow$$

$$A + B = 4$$

$$r_{1 \times r} + r_{2 \times r} = 1$$

10

$$\frac{V}{2} + \frac{V}{V} + \frac{V}{4} + \frac{V}{11} + \frac{V}{13} + \frac{V}{12} + \frac{V}{14} \rightarrow \frac{1}{\frac{1}{2} + \frac{1}{V} + \frac{1}{4} + \frac{1}{11} + \frac{1}{13} + \frac{1}{12} + \frac{1}{14}}$$

$$-r_1 - r_2 + r_3 + r_4 = \frac{1}{2} + \frac{1}{V} + \frac{1}{4} + \frac{1}{11} + \frac{1}{13} + \frac{1}{12} + \frac{1}{14}$$

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