

$$t_n = 5, 9, 13, 17, \dots$$

$+ \varepsilon + \varepsilon + \varepsilon$

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الف: k_{n+1}

ب: $k(10) + 1 = k1$

$$t_n = 9, 10, 11, 12, \dots \quad k_{n+1}$$

$+ \varepsilon + \varepsilon \dots$

$n=10 \rightarrow k1$

الف: $\frac{9+k1}{1} \times 10 = 150$

ب:

$$1 + \sqrt{13}, 2, 3 - \sqrt{13}, \dots \quad d = 2 - (1 + \sqrt{13}) = 1 - \sqrt{13}$$

$$t_{10} - t_{13} = 1d \rightarrow 2 - 2\sqrt{13}$$

$$a_n = 2^{p_x}, 1 \times 2^{p_x}, 2^{p_x} \rightarrow 2^{p_x} \times 2^{p_x} = 2^{p_x(2)} = 2^{p_x} \times 2^{p_x}$$

$$b_n = x, 1, y \rightarrow x + y = 1$$

$$2^{p_x} - 1 \times 2^{p_x} = 2^{p_x}$$

$$2^{p_x} = 2^{p_x+1} \rightarrow y = p_x + 1$$

$$x + p_x + 1 = 1 \quad y = 1$$

$$x + p_x = 0 \quad x = 1$$

$$p_x - 1, p_x - 1, 9x, \dots \rightarrow d = p_x - 1 - p_x + 1 = 0$$

$$9x - p_x + 1 = 1 \quad x = 0$$

$$-p_x = 1 \rightarrow p_{n+1} \rightarrow 9_{n-1} \rightarrow \frac{9_{n-1}}{n=V}$$

$$a_n = 1, 2, 3, \dots$$

$$b_n = 1, 2, 3, \dots$$

$$k1 \rightarrow a_1 + a_2 + a_3 = 11 \rightarrow 1a_1 = 11 \quad a_1 = 11$$

$$a_1 + a_2 + a_3 = 10 \quad 1a_1 = 10 \quad a_1 = 10$$

$$d = 10 - 11 = -1$$

$$a_1 = -11$$

$$a_1 - a_2 + a_3 = 10 - 11 - 1 = -2$$

$$a_1 + a_r + a_r = 1d \quad \frac{1d}{a_r} = 1d$$

$$a_r = 1d \quad d = 1d$$

$$a_e + a_d = 1d$$

$$a_1 + a_r + a_r + a_e + a_d = 1d \rightarrow 1d a_e = 1d \quad a_e = 1d$$

$$x_n = 1d - 1 \rightarrow a_{10} = 1d$$

$$S_9 = 9S_r$$

$$S_9 = 9 \left(\frac{a_1 + a_9}{2} \right) = 1d \left(\frac{a_1 + a_9}{2} \right) 9$$

$$\frac{a_1 + a_9}{2} = \frac{1d a_1 + 1d a_r}{2}$$

$$a_1 = a_1 + 9 \times 1d a_1 = 1d a_1$$

$$a_1 + a_9 = 1d a_1 + 1d a_r$$

$$1d a_1 = a_1 + 1d - 1d a_1 - 9d \rightarrow a_1 = \frac{1}{2}d \rightarrow d = 2a_1$$

$$1d a_1 = a_9 - 1d a_r \rightarrow 1d a_1 = a_9 - 1d (a_1 + 1d)$$

$$a_{10} = a_1 + 9 \times 1d a_1 \rightarrow \frac{1d a_1}{1d} a_{10}$$

$$a_1 = 1d$$

$$a_1 = 1d$$

$$1d, \dots, \dots, 1d (10)$$

$$a_v = 1d$$

$$d = \frac{1d - 1d}{9} = \frac{1d}{9} = 1d$$

$$1d + 1d = a_n \rightarrow a_e = 1d$$

$$1d - 1d = 1d$$

$$-1d = 1d - 1d$$

$$d = -1d \quad 1d$$

تکانه واسطه حسابی درج شده؟