

نام و نام خانوادگی: کلاس: شماره: پاسخنامه تشریحی تکلیف شماره: کلاس: نام و نام خانوادگی:
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$$1 \Rightarrow 1$$

$$2 \Rightarrow 1 + 1$$

$$3 \Rightarrow 1 + 1 + 1$$

$$4 \Rightarrow 1 + 1 + 1 + 1$$

$$C_1 = 2a$$

$$b_1 = 2a + b$$

$$a_1 = a + b + c$$

$$E = E_d + b$$

$$1 = 1/d - 1/d + c$$

$$1/dn^2 - 1/dn + b \Rightarrow t_0 = 1/dn - d + a$$

در نتیجه

$$1 \Rightarrow 0$$

$$2 \Rightarrow 1$$

$$3 \Rightarrow 1 + 1$$

$$1 = 2a \Rightarrow a = 1/d$$

$$1 = 1/d + b$$

$$0 = 0/d - 1/d + c$$

$$C_1 = 2a$$

$$b_1 = 2a + b$$

$$a_1 = a + b + c$$

$$t_n = 1/dn^2 - 1/dn \Rightarrow 1/dn^2 - 1/dn = 0 \Rightarrow 1/dn(n-1) = 0 \Rightarrow n(n-1) = 0$$

$$11_0 = 11 \times 0 \Rightarrow n = 11$$

$$1 \Rightarrow 0$$

$$2 \Rightarrow 1$$

$$3 \Rightarrow 1 + 1$$

$$a + b \Rightarrow 2n + 1 \Rightarrow 1 + 1$$

$$E_d + E_n = 1/d$$

$$a + b \Rightarrow 2n - 1 \Rightarrow 1 - 1$$

$$1 \Rightarrow 0$$

$$2 \Rightarrow 1$$

$$3 \Rightarrow 1 + 1$$

$$\frac{1}{2} - \left(\frac{1}{2}\right) = \frac{1}{2}$$

$$\frac{1}{2} - \left(\frac{1}{2}\right) = \frac{1}{2}$$

$$\frac{1}{2} - \left(\frac{1}{2}\right) = \frac{1}{2}$$

$$(-3)^n - \sqrt{n} \Rightarrow (-3)^n - \sqrt{n} = -41$$

$$-3n + 22 = -41$$

$$+3n = -41 + 22$$

$$n = \frac{-19}{3} \Rightarrow n = -6$$

$$n = \frac{19}{3} \Rightarrow n = 6$$

$$n = \frac{19}{3} \Rightarrow n = 6$$

$$d = \frac{t_m - t_n}{m - n} = \frac{12}{2} = 6$$

$$\begin{aligned} t_2 &= t_1 + d \\ t_1 &= t_1 + d \end{aligned} \Rightarrow t_1 + d - t_1 + d = 2d \Rightarrow 2d = 12 \Rightarrow d = 6$$

$$d = \frac{10 - 2}{2 - 1} = \frac{8}{1} = 8$$

$$\begin{aligned} t_2 &= t_1 + d \\ 2 &= 1 + 8 \end{aligned}$$

$$\begin{aligned} t_1 &= 2 \\ t_2 &= 2 + 8 = 10 \end{aligned}$$

$$b \Rightarrow 2, 11$$

$$t_n = 2 + (n-1)11$$

$$t_n = \frac{2}{2}, \frac{2}{3}, \frac{1}{9}, \frac{1}{11}, \dots \Rightarrow \frac{2}{2}, \frac{2}{3}, \frac{1}{9}, \frac{1}{11}, \frac{1}{13}, \frac{2}{15}, \frac{2}{17}$$

$d = 4$ for $\frac{2}{2}$
 $d = 2$ for $\frac{2}{3}$

$\frac{2}{2} > \frac{2}{3}$

$$t_n = 4, 9, 14, 19, \dots$$

$+2, +5, +5, +5, \dots$
 $-2, -2, -2$

$$\begin{aligned} C_1 &= -2 = 2a \Rightarrow a = -1 \\ 2 &= -2 + d + b \Rightarrow b = 4 \\ C_1 &= 2a \\ b_1 &= 2a + b \\ a_1 &= a + b + c \\ c &= 0 \end{aligned}$$

$$2A + dB \Rightarrow 2x - 1/d + d \cdot 1/d \Rightarrow -2/d + 2/d = 0$$

$$t_n = -4, -9, -14, \dots$$

$+2, +5, +5, +5, \dots$
 $-2, -2, -2$

$$\begin{aligned} 2 &= 2a \Rightarrow a = 1 \\ 2 &= 2 + b \Rightarrow b = 0 \\ a_1 &= a + b + c \\ c &= 0 \end{aligned}$$

$$d = \frac{11 - 2}{2 - 1} = \frac{9}{1} = 9$$

$$t_n = |n^2 - n - 4|$$

$$-4 = 1 + (-1) - 4$$

$$\begin{aligned} t_2 &= t_1 + d \\ 2 &= 1 + d \end{aligned}$$

$$25 + (n-1)d = 21 + d \Rightarrow |n^2 - n - 4|$$

$$2V = |n^2 - 9n| \Rightarrow 2V = n(n-9)$$

$$2V = 2 \times 9 \Rightarrow n = 9$$