

$$\frac{1}{p} = \frac{1}{p} \Rightarrow \frac{1}{p} - (-1) = \frac{10}{p}$$

$$(-10)^n - V(10) = -2V - V_1 = -10 \quad \text{سوال ۵}$$

$$-20n + 10 = -10 \Rightarrow -20n = -20 \Rightarrow n = 1 \quad \text{سوال ۶}$$

$$t_{10} - t_{10} = 10 \Rightarrow t_{10} = t_{10} + 10$$

$$t_{10} + 10d - t_{10} = 10 \Rightarrow 10d = 10 \Rightarrow d = 1$$

$$t_4 - t_1 = 3 \Rightarrow t_1 + 3d - t_1 = 3 \Rightarrow 3d = 3 \Rightarrow d = 1$$

$$t_4 = t_1 + 3d \Rightarrow t_4 = 1 + 3(1) = 4 \quad \text{سوال ۷}$$

$$a_n = 10 + (n-1) \cdot 1 \quad \text{سوال ۸}$$

$$b_n = 10 + (n-1) \cdot 1$$

$$\frac{10 + (n-1) \cdot 1}{10 + (n-1) \cdot 1} = \frac{10 + n - 1}{10 + n - 1}$$

$$\frac{10 + n - 1}{10 + n - 1} < \frac{10}{10}$$

$$10 + n - 1 < 10 \Rightarrow n < 1 \Rightarrow n < \frac{10}{10} \Rightarrow n < 1$$

$$10 + n - 1 < 10 \Rightarrow n < 1 \Rightarrow n < \frac{10}{10} \Rightarrow n < 1$$

$$469 \leq 9 \leq 460$$

$$A = -1, B = 7$$

سوال ۹

$$10A + 10B = 10(-1) + 10(7) = -10 + 70 = 60$$

دوشنبه
۱۳ فروردین
۱۴۴۵
1 April 2024

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$$t_n = -4s - k s_0 c \dots$$

$\xrightarrow{+0} \xrightarrow{+p} \xrightarrow{+e}$
 $\xrightarrow{+p}$

(10)

$$\Rightarrow t_n = n^p - n - 4 = (n-10)(n+10)$$

$$a_n = \frac{t_n}{k} = \frac{t_n}{p} + p d = \dots \quad p d = 10 \Rightarrow d = 10$$

$$a_1 = a_p - d = 10 - 10 = 0$$

$$\Rightarrow a_n = a_1 + (n-1)d = 10 + (n-1)10$$

$$10 + 10n - 10 = 10n$$

$$10n + 10 = n^p - n - 4$$

$$\Rightarrow n^p - 4n - 14 = 0$$

$$\checkmark \quad n = 4$$

$$002 \quad n = -10$$

$$(n-4)(n+10) = 0$$

raime