

$$2(-1^2 + 2)$$

چهارشنبه
۲۲ فروردین
۱۴۴۵
۱۰ April 2024

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تعطیل

$$q_1 = K \quad K = \frac{P_d}{V} \Rightarrow P_d = V \Rightarrow d = V$$

در حدی جوابی

$$K_0 + (n-1)V = P_0 \Rightarrow (n-1)V = 14 \Rightarrow n-1 = 14 \Rightarrow n = 15$$

$$10 \leq 10 \leq 10$$

سوال (۲)

$$q_1 V n - F < 1000 \Rightarrow 1.2 V n < 1000 \Rightarrow 1.2 - 1 < 1.2 V$$

$$t_{10} = 10 \quad t_{15} = 15 \quad \Rightarrow \quad 1.2 \times 10 = 12 \quad 1.2 \times 15 = 18$$

$$q_1 + q_2 + q_3 = 12 \Rightarrow q_1 - q_2 = 12$$

سوال (۳)

$$q_1 + q_2 + q_3 = 9$$

$$q_1 - q_2 = 9 \Rightarrow d = 2$$

$$P_0 q_1 + P_d d = 12 \Rightarrow P_0 q_1 - 9.12 \Rightarrow P_0 q_1 = 18 \Rightarrow q_1 = 2$$

$$q_1 + q_2 = P_0 + P_d d = 12 + 1.2(-2) = 10$$

$$P^{n+1} = \frac{P^n}{-P^n + P^n - 1} \Rightarrow P^n = P + P - F$$

$$\frac{P^n}{P + P - P} = K \Rightarrow P^n (-F + 1 + P^n) = F \Rightarrow P^n (-1 + P^n) = F$$

با حدی در این سیستم $n = 2$ جواب (۱) $q = 1$ جواب (۲) $q = 2$

$$q_1 + q_2 + q_3 = 12 \Rightarrow 1 + 1 + 1 = 3 \Rightarrow 12 - 3 = 9$$

$$t_{10} + 10$$

$$t_{10} - t_{10} = 10 \Rightarrow P_d = 10 \Rightarrow d = 10$$

سوال (۴)

$$t_{10} + t_{10} \Rightarrow 10 + 10 = 20 \Rightarrow P_d = 20 \Rightarrow d = 20$$

$$t_{10} - 10 \Rightarrow 10 - 10 = 0 \Rightarrow P_d = 0 \Rightarrow d = 0$$

در حدی

عبد سعید قطر - تعطیل

11 April 2024

تعطيل

تعطيل به مناسبت عيد سعيد فطر

$$t_1 + t_2 + t_3 + t_4 + t_5 = \omega t_1 + 10d =$$

$$t_4 + t_5 + t_6 + t_7 + t_8 = \omega t_1 + 10d$$

سؤال 4:

$$\omega t_1 + 10d = \frac{1}{\mu} (\omega t_1 + 10d) \Rightarrow 10\omega t_1 + 10d = \omega t_1 + 10d$$

$$10 t_1 = \dots + \omega d = d = 2t_1 \Rightarrow \frac{t_2}{t_1} = \frac{t_1 + d}{t_1} = \frac{10 t_1}{t_1} = 10$$

$$t_n - t_{n-1} = 10d \Rightarrow 10d = 10 \Rightarrow d = 10$$

$$t_9 - t_8 = 10d \Rightarrow (t_9/t_8) (t_8/t_7) \dots (t_2/t_1) = \frac{10(t_1)}{t_1} = 10$$

سؤال 7:

$$d = \frac{1 + \sqrt{10} - (1 - 12\sqrt{10})}{10} = \frac{1 + \sqrt{10} - 1 + 12\sqrt{10}}{10} = \frac{13\sqrt{10}}{10}$$

سؤال 8:

$$\frac{10r - r}{r_{n-1} - r_{n-2}} = \frac{10r - r}{r_{n-1} - r_{n-2}} = \frac{10}{r_{n-1} - r_{n-2}} \Rightarrow \frac{10}{r_{n-1} - r_{n-2}} = d$$

سؤال 9:

$$a_{n+1} \Rightarrow 1 + n \left(\frac{10}{r_{n-1}} \right) \Rightarrow 11 \Rightarrow n \left(\frac{10}{r_{n-1}} \right) = 9$$

$$\frac{10n}{r_{n-1}} = 9 \Rightarrow 10n = 18n - 9 \Rightarrow 10n = 9 \Rightarrow n = 10$$

$$t_n + t_{n+1} = t_1 + (n-1)d + t_1 + (n+1)d \quad \text{سوال ٥ :}$$

$$\Rightarrow t_1 + nd - d + t_1 + nd + 1d \Rightarrow 2t_1 + 2nd + 1d = 2t_1 + 2d + 14d$$

$$\Rightarrow \cancel{2t_1} + 2nd + 1d = \cancel{2t_1} + 14d \Rightarrow 2nd = 14d \Rightarrow 2n = 14 \Rightarrow n = 7$$

$$t_n = 1^0 t_1 \Rightarrow t_1 + 14d = 1^0 t_1 + 14d \quad 1d = -1t_1 \Rightarrow t_1 = -d$$

$$t_1 + (n-1)d = 0 \Rightarrow (n-1)d = 14d \Rightarrow n-1 = 14 \Rightarrow n = 15$$