

B. خنتر

ماتریس

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$$t_n = \omega, 9, 17, 25, \dots$$

$$t_n = \omega + k(n-1)$$

$$t_{10} = \omega + k(10-1) = 91$$

(سوال 1) (الف)

$$t_n = 4, 10, 16, 22, \dots$$

$$t_n = 4 + k(n-1) \rightarrow t_{10} = 4 + 10 \times 4 = 44 \rightarrow S_{10} = \frac{10}{2} (4 + 44) = 245$$

$$t_{19}, t_{20}, t_{21}, t_{22} \leftarrow k \times 4 = 44$$

$$t + 2nd + t + 2nd + t + 2nd + t + 2nd =$$

$$4t + 11nd = (4 \times 4) + (4 \times 11) = 44 + 44 = 88$$

$$1 + \sqrt{10}, 1, 1 - \sqrt{10} \rightarrow d = 1 - \sqrt{10}$$

$$t_1 = 1 + \sqrt{10} \rightarrow t_{101} - t_{100} = t_1 + 100d - t_1 - 100d =$$

$$100d \rightarrow 100(1 - \sqrt{10})$$

$$a_n = \omega^{pm}, \omega^{pm}, \omega^y$$

$$\omega^{pm} = \omega^{pm} + \omega^y \rightarrow \omega^{pm+1} = \omega^y \rightarrow pm+1 = y$$

$$b_n = m, y, y \rightarrow m+y = k \rightarrow m+pm+1 = k$$

$$m = 1, y = 10$$

$$m, y = 10 \rightarrow y = 10$$

سوال ۵

✓ $\hookrightarrow t_{\mu} = -v_{\mu} + v^{\nu}(\mu) = (4)$

$$\hookrightarrow t_{p_0} = \mu + \mu\lambda = \mu(1 + \lambda)$$

سوال ۷

$$w_d = 1 \text{ K}$$

$$\leftarrow \frac{V}{-r_1} = 10$$

سوال ۸

$$d = w$$

$$\leftarrow t_n = a_1 + d(n-1) \leftarrow a_1 = 0 - 1 = -1$$

سوال 4

$$\frac{a_1 + a_1 + nd}{v_{a_1}} = \frac{w_{a_1} + w_{a_1} + qd}{q_{a_1}} \Rightarrow vd = va_1, \quad \frac{q_p}{a_v} = \frac{a_1 + nd}{a_1 + qd} = \frac{w_{q_{a_1}}}{w_{q_{a_1}}} = \boxed{w}$$

سؤال ۱۰

$$\begin{cases} a_1 = 1 \\ a_k = 1 + d \end{cases} \Rightarrow a_k = 1 + (k-1)d = 1 + (k-1)(-1) = 1 - (k-1) = 2 - k$$

$$a_k = 2 - k$$

$$\leftarrow 1^\mu = \mu_A - \omega n + \omega \rightarrow$$