



آدرس وب سایت ما

novinkonkor.com

نوین کنکور

در شبکه های اجتماعی



novinkonkor



@novinkonkor



۰۹۳۸۲۵۱۶۷۴۷

نوین کنکور مرجع کنکور و امتحان نهایی

$$\frac{x^2 + 3x + 2}{x(x+1)(x+2)(x-1)} - \frac{2}{x(x-1)} = \frac{x(x+3x+2)}{x(x+1)(x+2)(x-1)} - \frac{2}{x(x-1)} = -1.1$$

$$\frac{x(x+1)(x+2)}{x(x+1)(x+2)(x-1)} - \frac{2}{x(x-1)} = \frac{1}{x}$$

کافہ مرتبہ

1.2

$$S_A = \frac{y}{x} a^2 - \frac{1}{x} \rightarrow \frac{y}{x} a^2 - \frac{1}{x} = 1 \delta a \rightarrow \frac{y}{x} a^2 = 1 \delta a - \frac{1}{x} = 0$$

$$\Delta = b^2 - 4ac \Rightarrow a = 1 - \sqrt{c}$$

$$a = -\frac{1}{y} \text{ جو } c \rightarrow S_A = \delta x \Delta = \epsilon$$

$$(x+1)(x-1), \epsilon^2$$

$$\frac{y a - 1}{x + 1} - \frac{a - 1}{x - 1} = \frac{1}{x} \rightarrow y(2x-1)(x-1) - (x-1)(x+1)x = 1.3$$

$$y(x^2 - 1) - \epsilon \Rightarrow 2x^2 - 12x + 2\epsilon = 2x^2 - \epsilon \rightarrow x^2 - 12x + 2\epsilon = 0 \Rightarrow$$

$$(x-1\epsilon)(x+1) = 0 \rightarrow \begin{cases} x = 1\epsilon \\ x = -1 \end{cases} \rightarrow x_1 + x_2 = 12$$

1.2

$$f \neq g \quad \frac{f(c_1)(c_2)(c_3)}{f-g} = \frac{f(c_1)(c_2)(c_3)}{f-g} = \{ (c_1, c_2)(c_3 - c_2)(1 - \frac{c_1}{c_2}) \}$$

$$R = \{ c_1 - c_2 \frac{c_1}{c_2} \}$$

$$f(x) = x^2 - 2x - 2$$

$$g(x) = \frac{|x|}{x}$$

$$x > 0 \Rightarrow x^2 - 2x - 2 = -1 \rightarrow x = 3$$

$$x < 0 \Rightarrow x^2 - 2x - 2 = -1 \rightarrow x = \frac{1-\sqrt{5}}{2}$$

1.4

$$x = 3 \rightarrow \frac{1-2\sqrt{2}}{2}$$

①

$$f(-\frac{r}{2}) = [r(-\frac{r}{2}) - 1] = [-r, 0] = -r \Rightarrow -r + 1 = -r \quad -1.4$$

$$f(\frac{\sqrt{2}}{2}) = [r(\frac{\sqrt{2}}{2}) - 1] = [\sqrt{2} - 1] = [1, 1] = 1$$

$$(a^r + \epsilon b)^r = (a^r)^r + r(a^r)^{r-1}(\epsilon b) + r a^r (\epsilon b)^{r-1} + (\epsilon b)^r \quad -1.5$$

$$1 a^r b$$

کازم-موتازا

$$y_1 = \frac{1}{r} x^r + a x + b$$

$$y_2 = 13 - x$$

$$\rightarrow \frac{1}{r} x^r + a x + b = 13 - x \quad \begin{cases} x=2 \rightarrow -2 + 2a + b = 1 & -1.6 \\ y=1 \rightarrow -1 + a + b = 0 \end{cases}$$

$$\begin{cases} 2a + b = 13 \\ a + b = 1 \end{cases}$$

$$y = \frac{1}{r} x^r + (a + \epsilon) \Rightarrow x_3 = \frac{-b}{ra} = \frac{-\epsilon}{-1} = 1$$

$$4.2 = 2\epsilon \Rightarrow \epsilon = 2$$

$$y_3 = 13$$

$$b = a$$

$$\text{کافی} = \frac{ra \cdot 1}{ra \cdot 1} = 1$$

$$m = \frac{24 - 2}{1 - 1} = 2 \Rightarrow y = 2x + b \rightarrow \begin{cases} x=1 \rightarrow 2 = 2(1) + b \Rightarrow b = 0 \\ y=2 \end{cases}$$

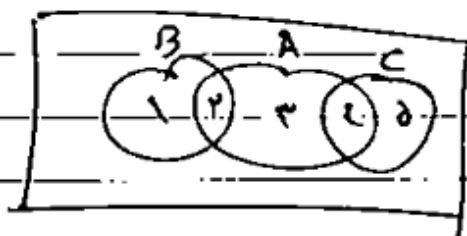
$$y = 2x - 2 \rightarrow x=9: y = 2(9) - 2 = 16$$

$$\frac{0.0}{1.0} \times 140 = 142 \quad \text{--- III}$$

$$(P \leftrightarrow Q) \wedge P \Rightarrow \neg P \quad \begin{cases} (T \leftrightarrow F) \wedge T \Rightarrow T & \text{درست} \\ (F \leftrightarrow T) \wedge T \Rightarrow F & \text{درست} \\ (F \leftrightarrow F) \wedge F \Rightarrow T & \text{درست} \\ (T \leftrightarrow T) \wedge T \Rightarrow T & \text{درست} \end{cases} \quad \text{--- III}$$

$$(A - C) \cup (A - B) = A$$

$$A = \{1, 2, 3\} \quad A - C = \{1, 2\}$$



$$B = \{1, 2\} \quad A - B = \{3\}$$

$$C = \{4, 5\} \quad (A - C) \cup (A - B) = \{1, 2, 3\}$$

$$\frac{0.63}{1} \times \frac{1}{1} \times \frac{1}{1} \times \frac{1}{1} \times \frac{1}{1} = 0.63$$

$$P(A) = \frac{\binom{2}{1} \times \binom{1}{1}}{\binom{3}{1}} = \frac{1 \times 1}{3} = \frac{1}{3}$$

کتابخانه مرجع

$$12, 13, \boxed{15, 18, 10, 10, 14, 11, 11, 10, 2} \quad 114$$

$Q_1 \quad Q_2 \quad Q_3$

$$Q_1 = 12, 13 \quad Q_2 = 15, 18 \quad Q_3 = 11, 10 \quad \bar{x} = 14$$

$$s = \sqrt{\frac{(11(0)^2 + 1^2 + (0(10))^2 + 1^2 + 2^2)}{8}} = \sqrt{11.5} = 3.39$$

مقدار متوسط

$$9, 10, \boxed{12, 13, 13, 15, 10, 14, 13, 14, 10} \quad 114$$

$Q_1 \quad Q_2$

$$Q_1 = 12, 13 \quad Q_2 = 14, 10 \quad Q_3 = 14 \Rightarrow R = 14 - 12 = 2$$

$$S_9 = \frac{9}{1} [2a_1 + 7d] = 90 \Rightarrow 2a_1 + 7d = 10 \Rightarrow a_1 + 3.5d = 5$$

$$a_9 = a_1 + 8d = 17 \Rightarrow \begin{cases} a_1 + 3.5d = 5 \\ a_1 + 8d = 17 \end{cases}$$

$$4.5d = 12 \Rightarrow d = \frac{8}{3}$$

$$S_n = \frac{a_1(1 - r^n)}{1 - r} \Rightarrow S_n = \frac{4 \left(1 - \left(\frac{1}{2}\right)^n\right)}{1 - \frac{1}{2}} = 12 \left(1 - \frac{1}{2^{10}}\right) = 11.9$$

$$12 \left(1 - \frac{1}{2^{10}}\right) = 12 \left(1 - \frac{1}{1024}\right) = 11.9$$

(12)

$$\alpha_1 = \frac{2}{3}, \alpha_2 = \frac{4}{5}, \alpha_3 = \frac{10}{11}, \alpha_4 = \frac{22}{11} \quad \underline{12.}$$

با تشریح

کدام مرتب‌شده

۹۹، ۵، ۳.

(۵)



آدرس وب سایت ما

novinkonkor.com

نوین کنکور

در شبکه های اجتماعی



novinkonkor



@novinkonkor



۰۹۳۸۲۵۱۶۷۴۷

نوین کنکور مرجع کنکور و امتحان نهایی