

نام و نام خانوادگی پاسخنامه تشریحی تکلیف شماره ۲.۲... کلاس ...

$$S = a + B = \Delta \quad B^T - \Delta B + 2 = 0 \quad B^T = B \times B^T = B(\Delta B - 2) = \Delta B^T - 2B$$

$$P = aB = 2 \quad \Rightarrow B^T = \Delta B - 2$$

$$B^{\Delta} = B^T \times B = (\Delta B - 2)(2B - 10) = 11\Delta B^T - 94B + 20 = 11\Delta(\Delta B - 2) - 94B + 20$$

$$= \Delta^2 \Delta B - 220 - 94B + 20 = 479B - 210$$

$$d = \Delta - B \Rightarrow 4d = 20 - 4B \quad 4d + B^{\Delta} = 20 - 4B + 479B - 210 = 475B - 190$$

$$\Delta B^T = \Delta(\Delta B - 2) = 2\Delta B - 10 \quad \frac{475B - 190}{2\Delta B - 10} = \frac{95(\Delta B - 2)}{\Delta(\Delta B - 2)} = \boxed{19}$$

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

$$\frac{-\frac{1}{\Delta}}{24} = \frac{14}{\Delta} \times \frac{1}{2} = \frac{7}{\Delta}$$

$$-\frac{b}{a} = s = -\frac{b}{24} \times 2 = \frac{7}{\Delta} \times 2 = \boxed{\frac{14}{\Delta}}$$

$$|a - B| = \frac{\sqrt{\Delta}}{|a|} \quad \Delta = (K)^T - f(1)(\Delta) = 4K^T - 20$$

$$\sqrt{4K^T - 20} = \frac{4K}{2} \quad 4K^T - 20 = \frac{16K^T}{9} \quad 29K^T - 180 = 16K^T$$

$$20K^T = 180 \Rightarrow K^T = 9$$

$$\frac{K^T}{2} = f(\Delta) \Rightarrow [f(\Delta)] = \boxed{9}$$

$$x = \frac{2 - \Delta}{2} = -1 \quad (-1, 1) \quad y = a(x+1)^2 + 1$$

$$y = a(f)^2 + 1 = 19a + 1 \quad \frac{1+B}{2} = -1 \Rightarrow a+B = -2 \quad a^T + B^T = \Delta = 5^T - 2P$$

$$(f)^T - 2P = 4X^P \Rightarrow P = -\frac{1}{f} \quad y = ax^T + 2ax + a + 1 \quad dB = \frac{c}{a} = \frac{a+1}{a}$$

$$\frac{a+1}{a} = -\frac{1}{f} \Rightarrow a = -\frac{2}{f} \quad y = a(0+1)^2 + 1 = a+1 \Rightarrow y = 1 - \frac{2}{f} = \frac{1}{f} \quad \boxed{(0, \frac{1}{f})}$$

$$x_{\text{نقطه}} = \frac{-b}{2a} = \frac{-\Delta}{-2} = \frac{\Delta}{2} \quad f(\frac{q}{f}) = -(\frac{q}{f})^2 + a(\frac{q}{f}) + m$$

$$\frac{q}{f} + m > 0 \Rightarrow m > -\frac{q}{f} \quad m \geq -2$$

تأثیر مثبت ← بی نهایت

$$Y_{\min} = c - \frac{b^2}{4a} \quad Y = \Delta m - 1 - \frac{1}{fm}$$

$$Y = \Delta m - 1 - \frac{1}{fm} \Rightarrow Y = \Delta m - \frac{1}{fm}$$

$$\Delta m^2 - Ym - \frac{1}{f} = 0 \Rightarrow m = \frac{Y}{2} \pm \frac{1}{2f}$$

$$m = Y \Rightarrow m > 0 \rightarrow \frac{1}{f}$$

$$x = -\frac{b}{2a} = \frac{1}{Y} \boxed{Y}$$

$$d^2 = 4B$$

$$d^2 = 4B - 1 \Rightarrow d^2 = 4B - 1$$

$$d^2 - 4B + 1 = 0 \Rightarrow (d-1)^2 = 0 \Rightarrow \boxed{d=1}$$

$$+v$$

$$T$$

$$Y = X^2 \quad x^2 - vx^2 - \Delta = 0$$

$$y^2 - vy - \Delta = 0$$

$$\Delta = 49 + 40 = 89$$

$$Y = \frac{v \pm \sqrt{89}}{2} \rightarrow Y = \frac{v + \sqrt{89}}{2} \rightarrow x = \pm \sqrt{\frac{v + \sqrt{89}}{2}} \rightarrow s < 0, p = -\frac{v + \sqrt{89}}{2}$$

$$Yp^2 - Ys^2 + Ys = Yp^2 \rightarrow p^2 = \left(-\frac{v + \sqrt{89}}{2}\right)^2 = \frac{v^2 + v\sqrt{89} + 89}{4} \Rightarrow Yp^2 = \boxed{89 + v\sqrt{89}}$$

$$x_s = \frac{Y}{K} \quad Y_s = -\frac{F}{K} - 9 \quad Y = -Fx - F$$

$$-\frac{F}{K} - 9 = -\frac{1}{K} - F \quad \frac{F}{K} = 8 \Rightarrow K = 8$$

$$Y_s = -\frac{F}{K} - 9 = \boxed{-11}$$

$$Y = -mx^2 + mx + 1$$

$$-mx^2 + mx + 1 = -m - x$$

$$Y = -m - x$$

$$-mx^2 + mx + x + m + 1 < 0$$

$$-mx^2 + (m+1)x + m+1 < 0$$

$$\Delta < 0 \rightarrow (m+1)(m+1) < 0$$

$$-1 < m < -\frac{1}{2}$$

$$\boxed{x < 0}$$