

$$y = \left(\frac{-1}{r}\right)x^r + x + r \quad x=r \quad \Delta = 1+r = r$$

$$\frac{-1}{r\alpha - r} = r \quad r\alpha - r = -1$$

$$r\alpha - r \rightarrow \alpha = \frac{r}{r}$$

$$\frac{-1 \pm r}{-r} = \boxed{+r}$$

$$f(x) = mx^r - \alpha x + m$$

x_1	x_r
-	+

$$I \cap II \rightarrow \boxed{\frac{0}{r} < m < 0}$$

$$m < 0 \quad II$$

$$r\alpha - r m^r > 0 \rightarrow r\alpha > r m^r \rightarrow \frac{r\alpha}{r} > m^r \rightarrow -\frac{0}{r} < m < \frac{0}{r} \quad I$$

$$x_1 = \frac{r+\sqrt{\Delta}}{r} \quad x_r = \frac{r-\sqrt{\Delta}}{r}$$

$$\Delta = r$$

$$x^r - \delta x + r$$

$$P = \frac{r}{9}$$

$$x^r - rx + \frac{r}{9}$$

$$rx^r - \alpha x + m + r = 0$$

$$r\alpha^r + B^r = 1r$$

$$\alpha^r + B^r = \delta^r - rP$$

$$B^r = 1r - m - \alpha^r \rightarrow r\alpha^r + 1r - m - \alpha^r = 1r$$

$$r\alpha^r - m = -r \rightarrow m = r\alpha^r + r \quad \alpha + B = r \quad B = r - \alpha$$

$$\alpha B = \frac{m+r}{r} \rightarrow \alpha B = \frac{r\alpha^r + r}{r} \rightarrow \alpha B = \alpha + r \rightarrow r\alpha - \alpha^r = \alpha + r$$

$$\boxed{m=r} \leftarrow m = r\alpha^r + r \leftarrow r = B, 1 = \alpha$$

$$\alpha^r - r\alpha + r = 0$$

$$\delta(r, q)$$

$$ax^r + bx + c = y$$

$$c = a$$

$$\frac{-b}{r\alpha} = r \rightarrow \boxed{b = -ra}$$

$$x=r \rightarrow \cancel{ax} + rb + a = q \rightarrow b + a = q$$

$$\boxed{a=-1} \leftarrow \boxed{b=r}$$

$$-x^r + rx + a = y$$

$$x_1 = -1$$

$$x_r = +a$$

x_1	x_r
-	+

$$\boxed{-1 < x < a}$$

$$\alpha x^r - vx + qB = 0$$

$$B > 0$$

$$\frac{1}{\alpha} + \frac{1}{B} = ? \rightarrow \frac{\alpha+B}{\alpha B} \rightarrow \frac{\frac{v}{q}}{\frac{q}{qB}} = \frac{v}{qB} = \frac{v}{q} = \frac{v}{y}$$

$$B^r\alpha - vB + qB = 0 \rightarrow \alpha B^r + rB = 0 \rightarrow B(\alpha B + r) = 0$$

$$\alpha + B = \frac{v}{q} \rightarrow \frac{vq}{q\alpha} = \frac{v}{q} \quad v\alpha^r = v \times q^r \quad q\left(\frac{B}{\alpha}\right) + r = 0 \rightarrow \frac{B}{\alpha} = -\frac{r}{q} \quad B = -\frac{r}{q}\alpha$$

$$\alpha = \pm r \rightarrow \boxed{\alpha = -r}$$

$$\boxed{B = \frac{r}{q}}$$

$$\frac{1}{q}\alpha = \frac{v}{q}$$

$$\begin{aligned}
 x' + mx - ym &= 0 & x' - m\beta &= \Lambda & x + \beta &= ? \\
 \xrightarrow{x=\beta} \beta' + m\beta - ym &= 0 \rightarrow m\beta = -\beta' + ym & \xrightarrow{\beta' = -ym + \Lambda} \beta' + ym - \Lambda &= 0
 \end{aligned}$$

$$\begin{aligned}
 \Delta &= f + yf = y^2 \\
 \frac{-y \pm y}{y} &= -\frac{y}{y} = -1
 \end{aligned}$$

$$mx' + \epsilon x + \frac{m}{r} + v = f(x)$$

$$y \Delta = \Lambda \quad \Delta = 1y - \frac{f(m)(\frac{m}{r} + v)}{-ymr - y\Lambda m}$$

$$\frac{-\Delta}{\epsilon m} = \frac{\Lambda}{1} \rightarrow m = -\frac{\Delta}{\epsilon m} \rightarrow \frac{-1y + ym' + y\Lambda m}{r} = m$$

$$\frac{-\Lambda + m' + 1\epsilon m}{1y} = m \quad m' + 1\epsilon m - \Lambda = 1ym \rightarrow m' - ym - \Lambda = 0$$

$$\frac{y \pm y}{y} = \frac{y}{y} = 1$$

$$-\epsilon x' + \epsilon x + \Delta = f(x)$$

$$\Delta = 1y + \Lambda 0 = 9y$$

$$\frac{-f \pm f\sqrt{y}}{y}$$

$$f(x) = A(x - x_0)' + y_0 \rightarrow f(x) = A(x - r)' + y \quad \xrightarrow{x=a} \quad fA + y = f$$

$$-\frac{1}{r}x' + rx - r + y \rightarrow -\frac{1}{r}x' + rx + r$$

$$\frac{1}{\alpha} + \frac{1}{\beta} = \frac{\alpha + \beta}{\alpha\beta} = \frac{-f}{-\Lambda} = \frac{1}{r}$$

$$x' - (fa + \epsilon)x + (ra' + ya + r) = 0$$

$$x_1 = r$$

$$f - \Lambda a - \Lambda + ra' + ya + r = 0 \rightarrow ra' - ra - 1 = 0 \quad \xrightarrow{\text{root}} \quad -\frac{1}{r}$$

$$x' - \Lambda x + 1rx = 0$$

$$(x-r)(x-y)$$

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