

$$\frac{y_0 + p + v - y_0 x_s = \omega}{1} = \left(\frac{b}{\omega}, \frac{b-r}{p} \right)$$

$$y = a(x - x_s)^p + y_s$$

$$y = a(x - \omega)^r + p$$

$$\alpha x^r - \alpha x - b = 0$$

$$S = \frac{a}{a} = 1 \quad \alpha + B = 1$$

$$\alpha - B = \frac{\sqrt{\Delta}}{|\alpha|} = \frac{\sqrt{\frac{r}{\omega}}}{1} = \frac{r}{\sqrt{\omega}} = \frac{r\sqrt{\omega}}{\omega}$$

$$y_0(1-\alpha)^r + y_0 \alpha^r - y_0(1-\alpha) = 1V$$

$$y_0 + y_0 \alpha^r - \alpha y_0 + y_0 \alpha^r - y_0 + y_0 \alpha = 1V \quad \alpha^r - \alpha + \frac{1}{r} = 0$$

$$y_0 \alpha^r + y_0 - y_0 \alpha = 1V \quad y_0 \alpha^r + p - y_0 \alpha = 0$$

$$\Delta = 1 - 4 \left(\frac{1}{r} \right) (1) = \frac{r}{\omega}$$

$$\frac{-\omega + 1}{r} = -r = x_s$$

$$y_s = \frac{1}{r}$$

$$y = a(x - x_s)^r + y_s$$

$$y = a(x + r)^r - \frac{1}{r}$$

$$S = -\frac{a}{r} - \frac{1}{r} = -\frac{1}{r} = \frac{-\omega}{r} = B$$

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

$$\frac{\alpha x^r + r a + r a x - \frac{1}{r}}{\alpha x^r + r a x - r a - \frac{1}{r}} = \frac{1}{r}$$

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

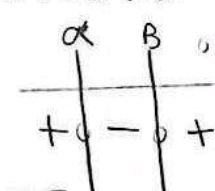
$$0 + 0 + a > 0 \quad x = \frac{-r \pm \sqrt{r^2 - 4a}}{2} = -r \pm \sqrt{r-a}$$

$$B = -r + \sqrt{r-a} \rightarrow 1A - a - r\sqrt{r-a}$$

$$\alpha = -r - \sqrt{r-a} \rightarrow 1A - a + r\sqrt{r-a}$$

$$\frac{\alpha \omega}{r} (1A - a + r\sqrt{r-a}) + r (1A - a - r\sqrt{r-a}) = 1\omega + 1r\sqrt{r}$$

$$r \omega - \omega a + r\sqrt{r-a} = A\omega + 1r\sqrt{r} \quad |a=1|$$



$$\sqrt{\frac{1}{a}} + \sqrt{\frac{1}{B}} = \omega$$

$$\frac{m+r}{c\phi} = \frac{1r}{c\phi} \quad |m=1|$$

$$\frac{\sqrt{a} + \sqrt{B}}{\sqrt{aB}} = \omega \quad (\sqrt{a} + \sqrt{B} = \omega \sqrt{aB})^r \quad -1x^r + cx^2 + r$$

$$\boxed{p = -r}$$

$$\alpha + B + r\sqrt{aB} = r\omega \alpha B \quad S + r\left(\frac{1}{r}\right) = r\omega \times \frac{1}{c\phi}$$

$$S + \frac{1}{c\phi} = \frac{r\omega}{c\phi} \quad S = \frac{1r}{c\phi}$$

$y = 13x^2 - 2x$ $\frac{-b}{2a} = \frac{2}{2 \cdot 13} = \frac{1}{13}$
 $13\left(\frac{1}{13}\right) - 2\left(\frac{1}{13}\right) = \frac{1}{13} - \frac{2}{13} = -\frac{1}{13}$

$y = -x^2 + 4x$ $\frac{-b}{2a} = \frac{-4}{-2} = +2$
 $-(4) + 4(2) = 4$

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$y = 2x^2 - 10x + 12$ $x_5 = \frac{10}{2} = 5$
 $y_5 = \frac{-\Delta}{2a} = \frac{-(10^2 - 4(2)(12))}{4} = \frac{-9}{4}$

$y = -x^2 + 4x - 1$ $x_5 = \frac{4}{-2} = -2$
 $-(4) + 4(2) - 1 = 1$

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$x^2 - 2x - 3 = 0$ $\Delta = 1 - 4(-3) = 13$
 $\frac{a+B}{a-B} = \frac{\frac{-b}{a}}{\frac{\sqrt{\Delta}}{2|a|}} = \frac{\frac{1}{1}}{\frac{\sqrt{13}}{1}} = \frac{1}{\sqrt{13}} = \frac{\sqrt{13}}{13}$

$\alpha^m + B^m = S^m - 3PS = (1)^m - 3(-3)(1) = 1 + 9 = 10$
 $\alpha^p - B^p = (\alpha - B)^p + 3PS$
 $(\sqrt{13})^m + 3(-3) = 13\sqrt{13} - 9$

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$y = (x-2)(x^2 - ax + a)$ $|a| = 4$
 $x^2 + 4 - 4x$

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$13x^2 - 14x - 9 = 0$ $\frac{-9}{-1} = 9$
 $\alpha + B = \frac{14}{2} = 7$ $\alpha = 7 - B$
 $13\alpha^2 + B^2 - 9a = 0$

$B^2 + 14B + 49 = 0$
 $(B+7)(B+7) = 0$
 $B = -7$ $B = -7$

$13(7-B)^2 + B^2 - 14(7-B) = 0$
 $13(49 - 14B + B^2) + B^2 - 98 + 14B = 0$
 $637 - 182B + 13B^2 + B^2 - 98 + 14B = 0$
 $14B^2 - 168B + 539 = 0$

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$$\begin{array}{l|l} a - x \geq 1 & y - xa \geq 1 \\ a \geq p & -xa \geq -y \end{array}$$

$$\begin{array}{l} y \geq xa \\ p \geq a \end{array}$$

$$\begin{array}{l} xa + c \geq 1 \\ xa \geq -y \\ a \geq -1 \end{array}$$

في هذه الحالة

(9) مثال

$$a \geq a \geq c$$

$$a = p$$

$$\frac{a-1}{a} = \frac{1}{a}$$

المثال

$$A = (a, 1) \quad B = (1, 1)$$

$$1 = a + (-a) + p \Rightarrow 1 + p = a + p = a = \frac{1}{a}$$