

$y = ax^r + bx + c$ $y = a(x+1)^r + 9$ $y = a(x - x_0)^r + y_0$ $1 = a(0+1)^r + 9$ $1 = 14a + 9$ $-1 = 14a$ $a = \left(\frac{-1}{14}\right)$ $-\frac{1}{14}x^r - \frac{1}{14}x + 9 =$ $1\left(-\frac{1}{14}x^r - x + \frac{14}{1}\right) \rightarrow -x^r - 2x + 14$	۱
$rx^r + mx + m + 9$ $\Delta > 0$ $m^2 - 4(r)(m+9) > 0$ $m^2 - 4rm - 36 > 0$ $(m-12)(m+3) > 0$ $m > 12 \text{ or } m < -3$ $S > 0$ $-\frac{b}{a} = -\frac{m}{r} > 0$ $(m < 0)$ $-6 < m < -3$	۲
$rx^r + (2m-1)x + r - m = 0$ $\Delta > 0$ $\frac{b}{a} = \frac{c}{c}$ $a^r = bc$ $-4m + 1 = \frac{r}{r-m}$ $-4m + 1 = \frac{r}{r-m}$ $-4m + 1 = \frac{r}{r-m}$ $-4m + 1 = \frac{r}{r-m}$ $-4m + 1 = \frac{r}{r-m}$	۳
$x = x^r - \varepsilon$ $x^r - \varepsilon - x = 0$ $S = +1$ $P = -\varepsilon$ $\varepsilon(x^r - \frac{\omega}{\varepsilon}x - \frac{r+1}{\varepsilon}) = 0$ $(x^r - \frac{\omega}{\varepsilon}x - \frac{r+1}{\varepsilon}) = 0$ $(x^r - \frac{\omega}{\varepsilon}x - \frac{r+1}{\varepsilon}) = 0$	۴
$\left(\sqrt[r]{x^r} + \frac{1}{\sqrt[r]{x^r}} + 1\right)(\sqrt[r]{x^r} - 1) = r\sqrt[r]{x^r}$ $\sqrt[r]{x^r} + \frac{1}{\sqrt[r]{x^r}} + 1 = r\sqrt[r]{x^r}$ $\sqrt[r]{x^r} - 1 = r\sqrt[r]{x^r}$ $x^r - 1 = r\sqrt[r]{x^r}$ $x^r - 1 = r\sqrt[r]{x^r}$	۵

$rx^r - ax + \xi = 0$ $\alpha + B = \frac{a}{r}$ $\alpha = (\alpha + B) = \pm 1$ $ a_1 - a_2 = (+1)$ $ra^r = \frac{E}{r}$ $a^r = \frac{E}{a}$ $a = \frac{r}{r} \Rightarrow B = r$ $a + B = \frac{1}{r}$ $a = -\frac{r}{r} \Rightarrow B = -r$ $a + B = -\frac{1}{r}$	6
$ax^r + (c + ra)x = y$ $a > 0$ $-\frac{ra - c}{a} > 0 \Rightarrow \frac{c}{a} > r$ $(-\frac{c}{r} < a < 0)$	7
$-\frac{a}{r} = \frac{r}{-1}$ $-\frac{a}{r} = \frac{r}{-1}$ $ a = r$ $x^r + rx - r = 1$ $(x^r + rx - r) = 1$ $(x^r + rx - r) = 1$ $(a + b) = 1$ $-(x-1)(x+c) + 1 = -x^2 - cx + \xi \Rightarrow b = \xi$	8
$rx^r - ax + b = 0$ $rx^r + rx - r = 0$ $x^r + x - 1 = 0$ $(x + \xi)(x - c)$ $\alpha + B = \frac{a}{r} + B + 1$ $\alpha = \frac{r}{r}$ $B = \frac{r}{r}$ $\frac{a}{r} = \frac{a}{r} + 1$ $ a - 1 $ $\frac{b}{r} = aB = -c$ $b = -c$ $\left[\frac{a}{f} \right] = \left[\frac{r}{\xi} \right]$	9
$x^r + rx + m = 0 \Rightarrow S = \frac{-r}{\alpha + B}$ $2^r + rx - cm = 0 \Rightarrow S = \frac{-r}{\alpha + B}$ $\alpha - B = \alpha - B' = -r, r = -\xi$	10