

فرد شتاب در جهت بارگذاری برآید ابتدا بجای (۱) قرار بدهد

۱۸, ۷۵

$$y = ar^x \rightarrow y = 1$$

\downarrow
 $y = a$

$$f(x) = r^x - 1 \quad x=0 \rightarrow \boxed{\frac{1}{r}}$$

$$f(x) = r^{Ax} + B$$

$$(1, 0) \rightarrow 1 = r^A + B \rightarrow A + B = 0$$

$$(r, 9) \rightarrow 9 = r^{rA+B} \rightarrow rA + B = r$$

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$$\boxed{A = 1}$$

$$\boxed{B = -1}$$

$$y_r (r^x + 1) = u + r \rightarrow r^u + r^u = r^u + 1$$

$$u + ur = y_r^u + y_r^r \Rightarrow \boxed{\frac{y_r^u}{r}}$$

$$r^u = (r^u)^r + 1$$

$$r^u - 1 = r^u + 1 \rightarrow (r^u - 1)(r^u - 1)$$

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$$\begin{array}{ll} \epsilon = 0 & \epsilon = r \\ r^u = 0 & r^u = r \\ u = y_r^0 & r^u = y_r^r \end{array}$$

$$(y_r^r)^r + y_r (1+r) y_r (1+r) \quad y_r^v = 1 - y_r^r$$

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$$A = (y_r^v)^r + (y_r^{r1} + y_r^v) (y_r^{r1} + y_r^r) \rightarrow A = (y_r^r)^r + (1 + y_r^v) (r y_r^{r1} + y_r^r)$$

$$(y_r^r)^r + (1 + 1 - y_r^r) (r + y_r^r) = (r (y_r^r)^r) + (y_r^r)^r = \epsilon$$

$$y_r (r^x - r^u + 1)$$

$$+ r y_r^{(1-u)} = 0 \rightarrow y_r^{(1-u)} + r y_r^{(1-u)}$$

$$0, 1 = 1 - u \rightarrow \boxed{u = 0/9}$$

$$\rightarrow 0 = 0 \rightarrow y_r^{(1-u)} = \frac{-1}{10}$$

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$$y_r (ur + ru + \epsilon) + y_r (u-r) = r$$

$$(ur + ru + \epsilon) (u-r) = \lambda$$

$$u^r - \lambda = 1 \rightarrow u^r = 1r$$

$$y_r^u = r \quad y_r^r =$$

$$y_r^r = y_r^r = \epsilon$$

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$$y^{(r-u)} - y^{\frac{1}{(u-r)r}} = r \rightarrow y^{(r-u)} - y^{(r-u)^{-r}} = r \rightarrow y^{r-u} = r \quad (u = -1)$$

$$y^{\frac{1}{r}} = \frac{1}{r} \quad y^{\frac{1}{\sqrt{r}}} = \frac{1}{\sqrt{r}} \rightarrow y^{r-u} + r y^{r-u} = r \quad (1, \sqrt{0})$$

$$i \neq : u^{r-r} = 1 \rightarrow u^{r-r} = r^a \rightarrow u^{r-r} = r \rightarrow u^{r-r} = r$$

$$(u-r)^r - r = r \rightarrow (u-r)^r = r \rightarrow u-r = \pm \sqrt[r]{r} \quad \left. \begin{array}{l} u = r - \sqrt[r]{r} < r \times \\ u = r + \sqrt[r]{r} \end{array} \right\}$$

$$y_{u-r} \xrightarrow{u = \sqrt[r]{r} + r} y_{\sqrt[r]{r} + r} = \frac{1}{r}$$

$$y_{\frac{r}{r}} = \frac{a}{r} \quad y_{\frac{1}{r}} = \frac{1}{r} \rightarrow \frac{y_{\frac{1}{r}}}{y_{\frac{1}{r}}} \rightarrow \frac{r y_{\frac{1}{r}}}{r y_{\frac{1}{r}} + y_{\frac{1}{r}}} \rightarrow \frac{\frac{a}{r}}{\frac{1+r}{r}} \rightarrow \frac{a}{r+1} = \frac{a}{r} \quad (5)$$

$$y_{\frac{r}{r}} = \frac{1}{r} \rightarrow \frac{1}{r} y_{\frac{r}{r}} = \frac{1}{r} \rightarrow y_{\frac{r}{r}} = \frac{1}{r}$$

$$y_{\frac{r}{r}} \rightarrow \frac{y_{\frac{r}{r}}}{y_{\frac{r}{r}}} = \frac{y_{\frac{r}{r}} + y_{\frac{r}{r}}}{r y_{\frac{r}{r}} + y_{\frac{r}{r}}} \rightarrow \frac{1 + \frac{1}{r}}{r + \frac{1}{r}} \rightarrow \frac{\frac{r+1}{r}}{\frac{r^2+1}{r}} \rightarrow \frac{r+1}{r^2+1} \quad (5)$$

$$(a y^r) u^r + a u + b y^r = 0 \quad \text{سوالی کس کس}$$

$$y^r (a+b) = a$$

$$\frac{a+b}{a} \times y^r = 1 \rightarrow (1 + \frac{b}{a}) y^r = 1 \quad (5)$$

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

$$1 + \frac{b}{a} = \frac{1}{y^r} \rightarrow 1 + \frac{b}{a} = r \times \frac{1}{r} \rightarrow r \frac{b}{a} = a \rightarrow (\sqrt[r]{r}) \frac{b}{a} =$$

$$r \frac{1}{r} \frac{b}{a} = (\frac{b}{a}) \frac{1}{r} \rightarrow a^{\frac{1}{r}} = \sqrt[r]{a}$$

$$r) y^{(n-1)r} + y^{(1-n)r} = a \rightarrow y_{1.}^{-(n-1)a} = a$$

$$\rightarrow (1-n)^a = 1^a \rightarrow 1-n=1. \rightarrow n=-1 \quad y_{\mu}^{-n} = r$$