

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

$$\xrightarrow{x=r} r^r = r^{rA+B}$$

$$rA+B=r$$

$$y = r^r$$

$$\xrightarrow{x=1} r^1 = r^{A+B}$$

$$A+B=0$$

$$\rightarrow A=1$$

$$B=-1$$

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

19

انوار (مذہب) - نظریات - اصول و ضوابط

$$\log_r(r^{\lambda+10}) = \lambda+10 \rightarrow r^{\lambda+10} = r^{\lambda+10} \Rightarrow r^{\lambda} - r^{\lambda+10} + 10 \xrightarrow{r^{\lambda}=t} t^r - \lambda t + 10 = (t-r)(t-0)$$

$$r^{\lambda+10} > 0 \rightarrow r^{\lambda} > -14 \checkmark$$

$$\rightarrow \lambda = \log_r 0, \log_r r \rightarrow \lambda_1 + \lambda_2 = \log_r 0$$

$$(\log_r r)^r + \log_r r^r + \log_r r^r \rightarrow (\log_r r)^r + (\log_r r + \log_r r)(\log_r r^r + \log_r r) = (1+1-\log_r r)(r+\log_r r) + (\log_r r)^r = \frac{r}{r}$$

$$\log_r(r^{\lambda-r+1}) + r \log_r(1-r) = 0 \rightarrow -(\lambda-1)(\lambda-1)^r = 10^0 \rightarrow -(\lambda-1)^0 = 10^0 \rightarrow \lambda-1 = -10$$

$$\rightarrow \lambda = -9$$

$$\log_r^{-9} r = r$$

$$\log_r r^{\lambda+r+1} + \log_r r^{\lambda-r} = \log_r r^{\lambda} \rightarrow (\lambda+r+1)(\lambda-r) = \lambda \rightarrow (\lambda-r) = \lambda \rightarrow \lambda^r = 14 \rightarrow \lambda = r^{\frac{14}{r}}$$

$$\log_r r^{\frac{14}{r}} = \frac{14}{r}$$

$$\log_r(r-\lambda) - \log_r \frac{1}{(\lambda-r)^r} = r \rightarrow -(\lambda-r)^r = 1000 \rightarrow -(\lambda-r)^r = 1000$$

$$\log_r^{-9} \sqrt{r} = 9$$

$$\rightarrow -(\lambda-r)^r = 10^r \rightarrow \lambda-r = -10 \rightarrow \lambda = -10$$

$$r^{\lambda-r} = r^{\lambda} \rightarrow \lambda-r-\lambda-r=0 \rightarrow \frac{r \pm \sqrt{14+\lambda}}{r} = r \pm \sqrt{9}$$

$$\log_r \frac{r+\sqrt{r}}{r} = \frac{1}{r}$$

$$\log r = \frac{\omega}{\lambda}$$

$$\log \hat{r} = \frac{\omega}{\lambda}$$

$$\rightarrow \frac{\sqrt{\lambda} \log r}{\frac{\lambda \log r + \log r}{\lambda}} = \frac{\log \hat{r}}{\log \hat{r}} = \log \hat{r} = \frac{\omega}{\lambda} = \frac{\omega}{\lambda}$$

5

-1

$$\log r = \frac{1}{\lambda}$$

$$\rightarrow \frac{\log r + \log r}{\log r + \log r} = \frac{\frac{1}{\lambda} + \frac{1}{\lambda}}{\frac{1}{\lambda} + 1} = \frac{1}{\lambda}$$

5

-9

$$\log r = \frac{1}{\lambda}$$

$$(a \log r)^{\lambda} + a \lambda + b \log r = 0 \xrightarrow{\lambda = -1} a \log r - a + b \log r \rightarrow (\log r)(a+b) = a$$

$$\rightarrow \log r = \frac{a}{a+b}$$

5

-10

$$\hookrightarrow \log r = \frac{a+b}{a} = 1 + \frac{b}{a}$$

$$\rightarrow \frac{b}{a} = \log r - 1 = \log \frac{a}{a}$$

$$\sqrt{r} \log r = \frac{1}{\omega} \log r = \frac{\omega}{\omega}$$