

$$x^{4 \log_s^3 X - 17 \log_s X} \leq \left(\frac{1}{5}\right)^{\log_{\sqrt{5}} 25} \rightarrow \left(\frac{1}{5}\right)^{2 \log_s 25} = 5^{-4}$$

: p 2337) yew log x (r.31)

$$\log_s X (4 \log_s^3 X - 17 \log_s X) \leq -4 \log_x 5 \rightarrow \left(\frac{-4}{\log_s X}\right)$$

$$t(4t^3 - 17t + \frac{4}{t}) \leq 0 \quad : \log_s X = t$$

$$4t^4 - 17t^2 + 4 \leq 0$$

$$\frac{1}{2} < \log_s X < 2$$

$$-\frac{1}{2} < \log_s X < -2$$

$$\frac{1}{4} \leq t^2 \leq 4$$

$$\sqrt{5} < X < 25$$

$$\frac{1}{\sqrt{5}} < X < \frac{1}{\sqrt{5}}$$