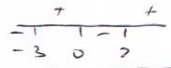


1.100
64

$$\frac{\log^2 x + 2\log x - 6}{\log x} < 1$$

$$0 > \frac{\log^2 x + 2\log x - 6}{\log x} - 1 = \frac{\log^2 x + \log x - 6}{\log x}$$

$$0 > \frac{t^2 + t - 6}{t} = \frac{(t+3)(t-2)}{t} \quad \log x = t \quad , \infty)$$



$$0 < t < 2 \rightarrow 0 < \log x < 2 \rightarrow$$

$$t < -3 \rightarrow \log x < -3 \rightarrow$$

$$\boxed{1 < x < 100}$$

$$\boxed{x < 0.001}$$

הצבה בחזרה
1 ≠ x > 0

$$\boxed{1 < x < 100}$$

$$\boxed{0 < x < 0.001}$$