

Eksponenttiyhtälön ratkaiseminen

Esim.

$$3^x = 5 \quad | \log$$

$$\log 3^x = \log 5 \quad | \log x^r = r \cdot \log x \text{ (maol)}$$

$$x \cdot \log 3 = \log 5 \quad | : \log 3$$

$$x = \frac{\log 5}{\log 3} \approx 1,46$$

Yleisesti

$$k^x = a \quad | \log$$

$$\log k^x = \log a$$

$$x \cdot \log k = \log a \quad | : \log k$$

$$x = \frac{\log a}{\log k}$$