$$\sqrt{\frac{2^n}{2^n}} \neq \sqrt[\frac{1}{N}]{1+n}$$

$$\frac{2^k}{2^{k+2}}$$

$$\frac{x^2}{2^{(x+2)(x-2)^3}}$$

$$\log_2 2^8 = 8$$

$$\sqrt[3]{e^x - \log_2 x}$$

$$\lim_{0 \to \infty} \sum_{k=1}^n \frac{1}{k^2} = \frac{\pi^2}{6}$$

$$\int_2^\infty \frac{1}{\log_2 x} dx = \frac{1}{x} \sin x = 1 - \cos^2(x)$$

$$\begin{bmatrix} a_{11} & a_{12} & \dots & a_{1K} \\ a_{21} & a_{22} & \dots & a_{2K} \\ \vdots & \vdots & \ddots & \vdots \\ a_{K1} & a_{K2} & \dots & a_{KK} \end{bmatrix} * \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_K \end{bmatrix} = \begin{bmatrix} b_1 \\ b_2 \\ \vdots \\ b_K \end{bmatrix}$$

$$(a_1 = a_1(x)) \land (a_2 = a_2(x)) \land \dots \land (a_k = a_k(x)) \Rightarrow (d = d(u))$$