$$\sqrt{\frac{2^n}{2_n}} \neq \sqrt[\frac{1}{3}]{1+n}$$

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

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

$$log_2 2^8 = 8$$

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

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

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

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

$$\left(a_1 = a_1\left(x\right)\right) \bigwedge \left(a_2 = a_2\left(x\right)\right) \bigwedge \dots \bigwedge \left(a_k = a_k\left(x\right)\right) \Rightarrow \left(d = d\left(u\right)\right)$$

$$\left[x\right]_A = \left\{y \in U : a\left(x\right) = \left(y\right), \forall \in A\right\}, \ where\ the\ symbol\ object\ x \in U$$

$$T : [0,1] \times [0,1] \to [0,1]$$

$$\lim_{x \to \infty} exp\left(-x\right) = 0$$

$$\frac{n!}{k!\left(n-k\right)!} = \binom{n}{k}$$

$$P\left(A = 2 \middle| \frac{A^2}{B} > 4\right)$$

$$S^{C_i}\left(a\right) = \frac{\left(\overline{C_i^a}\right) - \left(\hat{C_i^a}\right)^2}{Z_{\overline{C_i^a}^2} + Z_{\hat{C_i^a}^2}}, a \in A$$