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

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

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

$$\log_2 2^8 = 8$$

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

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

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

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

$$(a_1 = a_1(x)) \wedge (a_2 = a_2(x) \wedge ... \wedge (a_k = a_1 = k(x)) \Rightarrow (d = d(u))$$

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

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

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

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

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

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