10^n a_i $\int_d$ $\max_i$ a_i^2 $\sum_{i=1}^{n}$ $\sum_{i=1}^{n}$

$$\max_n f(n) = \sum_{i=0}^{n} A_i$$

$\overbrace{a+b+c} = \underbrace{1+2+3}$

$$\frac{1}{2} + \frac{1}{a} = \frac{2+a}{2a}$$

$$\sqrt[n]{\frac{x^2+\sqrt{2}}{x+y}}$$

$$A = \begin{bmatrix} a_{11} & \dots & a_{1n} \\ & \ddots & \vdots \\ 0 & & a_{mn} \end{bmatrix}_{n\times n}$$

$$A = \begin{bmatrix} a_{11} & \dots & a_{1n} \\ & \ddots & \vdots \\ 0 & & a_{mn} \end{bmatrix}_{n\times n} \tag{1}$$

just try to test 1

just try to test Equation 1

just try to test eq. (1)

$$a + b = b + a \tag{2}$$
$$a \times b = b \times a$$

just test eq. (2)

$$x = t + \cos t + 1 \tag{3}$$
$$y = 2\sin t \tag{4}$$

$$x = t + \cos t + 1$$
$$y = 2\sin t$$

$$x = t \qquad x = 2 \quad (5)$$

$$y = 2t \qquad y = 4 \quad (6)$$

$$\begin{aligned} \cos 2x &= \cos^2 x - \sin^2 x \\ &= 2\cos^2 x - 1 \end{aligned} \tag{7}$$

$$D(x) = \begin{cases} 1, & \textit{if } x \in \mathbb{Q} \\ 0, & \textit{if } x \in \mathbb{R} \setminus \mathbb{Q} \end{cases} \tag{8}$$