XITS Math

$$\pi(n) = \sum_{m=2}^{n} \left\lfloor \left(\sum_{k=1}^{m-1} \left\lfloor (m/k) \Big/ \lceil m/k \rceil \right\rfloor \right)^{-1} \right\rfloor$$

$$\pi(n) = \sum_{k=2}^{n} \left\lfloor \frac{\phi(k)}{k-1} \right\rfloor$$

$$1 + \left(\frac{1}{1 - x^2} \right)^3$$

$$1 + \left(\frac{1}{1 - \frac{x^2}{\frac{y^3}{z^4}}} \right)^3$$

$$\frac{a+1}{b} \Big/ \frac{c+1}{d}$$

$$\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right) |\phi(x+iy)|^2$$

$$\sum_{\substack{0 \le i \le m \\ 0 < j < n}} P(i,j)$$

$$\int_0^3 9x^2 + 2x + 4\,dx = 3x^3 + x^2 + 4x + C \Big]_0^3 = 102$$

$$e^{x+iy} = e^x(\cos y + i \sin y)$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$f(x) = \begin{cases} x, & \text{if } 0 \le x \le \frac{1}{2} \\ 1 - x, & \text{if } \frac{1}{2} \le x \le 1 \end{cases}$$

$$\sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + x}}}}}}}$$