

	As rendered by TeX	As rendered by your browser
1	x^2y^2	x 2 y 2
2	${}_2F_3$	F 3 2
3	$\frac{x+y^2}{k+1}$	x + y 2 k + 1
4	$x + y^{\frac{2}{k+1}}$	x + y 2 k + 1
5	$\frac{a}{b/2}$	a b / 2
6	$a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$	a 0 + 1 a 1 + 1 a 2 + 1 a 3 + 1 a 4
7	$a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$	a 0 + 1 a 1 + 1 a 2 + 1 a 3 + 1 a 4
8	$\binom{n}{k/2}$	(n k / 2)
9	$\binom{p}{2}x^2y^{p-2} - \frac{1}{1-x}\frac{1}{1-x^2}$	(p 2) x 2 y p - 2 - 1 1 - x 1 1 - x 2

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

$$\sum_{0 \leq i \leq m} \sum_{0 \leq j \leq n} P(i, j)$$

$$x^{2y}$$

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$$\sum_{i=1}^p \sum_{j=1}^q \sum_{k=1}^r a_{ij} b_{jk} c_{ki}$$

$$\sum_{i=1}^p \sum_{j=1}^q \sum_{k=1}^r a_{ij} b_{jk} c_{ki}$$

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

$$1 + 1 + 1 + 1 + 1 + 1 + 1 + x$$

$$\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right) |\varphi(x + iy)|^2 = 0$$

$$(\Delta_x^2 + \Delta_y^2) |\varphi(x + iy)|^2 = 0$$

$$2^{2^{2^x}}$$

$$2^{2^{2^x}}$$

$$\int_1^x \frac{dt}{t}$$

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$$\iint_D dx \, dy$$

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$$f(x) = \begin{cases} 1/3 & \text{if } 0 \leq x \leq 1; \\ 2/3 & \text{if } 3 \leq x \leq 4; \\ 0 & \text{elsewhere.} \end{cases}$$

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$$\underbrace{x + \cdots + x}_{k \text{ times}}$$

$$x + \cdots + x \text{ } k \text{ times}$$

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$$y_{x^2}$$

$$y \times 2$$

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$$\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t) \, d\pi(t)$$

$$\hat{a} \, p \text{ prime } f(p) = \hat{a} \ll t > 1 \, f(t) \, d\check{\pi}(t)$$

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$$\underbrace{\overbrace{a, \dots, a}^{k \text{ } a'\text{'s}}, \overbrace{b, \dots, b}^{l \text{ } b'\text{'s}}}_{k+l \text{ elements}}$$

$$\{(a, \dots, a \hat{a} \, k \, a'\text{'s}, (b, \dots, b \hat{a} \hat{a} \, b'\text{'s} \hat{a} \, k + \hat{a} \text{ elements})\}$$

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$$\left(\begin{pmatrix} a & b \\ c & d \end{pmatrix} \quad \begin{pmatrix} e & f \\ g & h \end{pmatrix} \right)$$
$$\left(\begin{matrix} & & \\ & 0 & \\ & & \begin{pmatrix} i & j \\ k & l \end{pmatrix} \end{matrix}\right)$$

$$((a \, b \, c \, d)(e \, f \, g \, h)0(i \, j \, k \, l))$$

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$$\det \left| \begin{array}{ccccc} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{array} \right| > 0$$

$$\det \left| \begin{array}{cccc} c_0 & c_1 & c_2 & \hat{a} \\ c_n & c_1 & c_2 & c_3 \hat{a} \\ c_{n+1} & c_2 & c_3 & c_4 \hat{a} \\ c_{n+2} & \hat{a} \hat{\otimes} \hat{\otimes} \hat{\otimes} \hat{\otimes} c_n c_{n+1} c_{n+2} \hat{a} \end{array} \right| c_{n+2} \hat{a} \hat{\otimes} \hat{\otimes} \hat{\otimes} \hat{\otimes} c_{2n} \left| > 0 \right.$$

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$$y_{x_2}$$

$$y \times 2$$

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$$x_{92}^{31415} + \pi$$

$$x \, 92 \, 31415 + \check{\pi}$$

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$$x \, y_b^z \, ^d$$

$$x \, y \, b \, a \, z \, c \, d$$

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$$y_3'''$$

$$y \, 3 \, \hat{a}'$$