

	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
10	$\sum_{\substack{0 \leq i \leq m \\ 0 < j < n}} P(i,j)$	$\sum_{0 \leq i \leq m} \sum_{0 < j < n} P(i,j)$
11	x^{2y}	x 2 y
12	$\sum_{i=1}^p \sum_{j=1}^q \sum_{k=1}^r a_{ij} b_{jk} c_{ki}$	$\sum_{i=1}^p \sum_{j=1}^q \sum_{k=1}^r a_{ij} b_{jk} c_{ki}$
13	$\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+x}}}}}}}$	1 + 1 + 1 + 1 + 1 + 1 + 1 + x

14	$\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2}\right) \varphi(x+iy) ^2 = 0$	$(\partial^2 \partial x^2 + \partial^2 \partial y^2) \varphi(x+iy) ^2 = 0$
15	$2^{2^{2^x}}$	$2\ 2\ 2\ x$
16	$\int_1^x \frac{dt}{t}$	$\int 1\ x\ dt\ t$
17	$\iint_D dx\ dy$	$\iint D\ dx\ dy$
18	$f(x) = \begin{cases} 1/3 & \text{if } 0 \leq x \leq 1; \\ 2/3 & \text{if } 3 \leq x \leq 4; \\ 0 & \text{elsewhere.} \end{cases}$	$f(x) = \begin{cases} 1/3 & \text{if } 0 \leq x \leq 1; \\ 2/3 & \text{if } 3 \leq x \leq 4; \\ 0 & \text{elsewhere.} \end{cases}$
19	$\overbrace{x+\cdots+x}^{k\text{ times}}$	$x+\ldots+x \text{ --- } k\text{ times}$
20	y_{x^2}	$y\ x\ 2$
21	$\sum_{p\text{ prime}} f(p) = \int_{t>1} f(t)\,d\pi(t)$	$\sum_{p\text{ prime}} f(p) = \int_{t>1} f(t)\,d\pi(t)$
22	$\overbrace{\{a,\ldots,a,b,\ldots,b\}}^{k\text{ }a\text{'s}\quad l\text{ }b\text{'s}}$ $k+l\text{ elements}$	$\{(\overbrace{a,\ldots,a}^{k\text{ }a\text{'s}},\overbrace{b,\ldots,b}^{l\text{ }b\text{'s}}) \mid k+l\text{ elements}\}$
23	$\left(\begin{pmatrix} a & b \\ c & d \end{pmatrix} \begin{pmatrix} e & f \\ g & h \end{pmatrix} \right)$ $0 \qquad \begin{pmatrix} i & j \\ k & l \end{pmatrix}$	$((abcd)(efgh)0(ijkl))$
24	$\det \begin{vmatrix} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{vmatrix} > 0$	$\det c_0\ c_1\ c_2\ \dots\ c_n\ c_1\ c_2\ c_3\ \dots\ c_{n+1}\ c_2\ c_3\ c_4\ \dots\ c_{n+2}\ \vdots\ \vdots\ \vdots\ c_n\ c_{n+1}\ c_{n+2}\ \dots\ c_{2n} >0$
25	y_{x_2}	$y\ x\ 2$
26	$x_{92}^{31415}+\pi$	$x\ 92\ 31415+\pi$
27	$x_{y_b^a}^{z^d}$	$x\ y\ b\ a\ z\ c\ d$

28	y_3'''	$y\ 3'''$
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