

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

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^{2y}
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	$\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right) \varphi(x + iy) ^2 = 0$	$(\partial_x^2 + \partial_y^2) \varphi(x + iy) ^2 = 0$
15	$2^{2^{2^x}}$	$2^{2^{2^x}}$
16	$\int_1^x \frac{dt}{t}$	$\int_1^x \frac{dt}{t}$
17	$\iint_D dx dy$	$\iint D dx dy$
18	$f(x) = \begin{cases} 1/3 & \text{if } 0 \leq x \leq 1; \\ 2/3 & \text{if } 3 \leq x \leq 4; \\ 0 & \text{elsewhere.} \end{cases}$	$f(x) = \{ 1/3 \text{ if } 0 \leq x \leq 1 ; 2/3 \text{ if } 3 \leq x \leq 4 ; 0 \text{ elsewhere.}$

19	$\overbrace{x + \cdots + x}^{k \text{ times}}$	$x + \dots + x \wedge k \text{ times}$
20	y_{x^2}	$y \times 2$
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	$\underbrace{\{a, \dots, a\}}_{k+l \text{ elements}}, \underbrace{\{b, \dots, b\}}_{l b' \text{ s}}$	$\{(a, \dots, a \wedge k \text{ a's}, (b, \dots, b \wedge \ell \text{ b's}) \wedge k + \ell \text{ elements}\}$
23	$\begin{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} & \begin{pmatrix} e & f \\ g & h \end{pmatrix} \\ 0 & \begin{pmatrix} i & j \\ k & l \end{pmatrix} \end{pmatrix}$	$((a\ b\ c\ d)(e\ f\ g\ h)0(i\ j\ k\ l))$
24	$\det \begin{vmatrix} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{vmatrix} > 0$	$\det c_0\ c_1\ c_2 \dots c_n\ c_1\ c_2\ c_3 \dots c_{n+1}\ c_2\ c_3\ c_4 \dots c_{n+2} \dots c_n\ c_{n+1}\ c_{n+2} \dots c_{2n} > 0$
25	y_{x_2}	$y \times 2$
26	$x_{92}^{31415} + \pi$	$x\ 92\ 31415 + \pi$
27	$x_{y_b^a}^{z_c^d}$	$x\ y\ b\ a\ z\ c\ d$

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y_3'''

$y\ 3\'''$