

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

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