

	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	$\sum_{\substack{0 \leq i \leq m \\ 0 \leq j \leq n}} P(i, j)$	$\sum_{0 \leq i \leq m} \sum_{0 \leq j \leq n} P(i, j)$
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	$\left( \frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right)  \varphi(x + iy) ^2 = 0$	$(\partial^2_{xx} + \partial^2_{yy})  \varphi(x + iy) ^2 = 0$
15	$2^{2^{2^x}}$	$2^{2^{2^x}}$
16	$\int_1^x \frac{dt}{t}$	$\int_1^x \frac{1}{t} dt$
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		$x + \dots + x \quad k \text{ times}$

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

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$y_3'''$

$y_3'''$