	As rendered by TeX	As rendered by your browser
1	x^2y^2	x^2y^2
2	$_2F_3$	$_2F_3$
3	$\frac{x+y^2}{k+1}$	$\frac{x+y^2}{k+1}$
4	$x + y^{\frac{2}{k+1}}$	$x+y^{\frac{2}{k+1}}$
5	$\frac{a}{b/2}$	$rac{a}{b/2}$
6	$a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$	$a_0 + \cfrac{1}{a_1 + \cfrac{1}{a_2 + \cfrac{1}{a_3 + \cfrac{1}{a_4}}}}$

7	$a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$	$a_0+rac{1}{a_1+rac{1}{a_2+rac{1}{a_3+rac{1}{a_4}}}}$
8	$\binom{n}{k/2}$	$\binom{n}{k/2}$
9	$\binom{p}{2}x^2y^{p-2} - \frac{1}{1-x}\frac{1}{1-x^2}$	${p \choose 2} x^2 y^{p-2} - rac{1}{1-x} rac{1}{1-x^2}$
10	$\sum_{\substack{0 \le i \le m \\ 0 < j < n}} P(i, j)$	$\sum_{\substack{0 \leq i \leq m \ 0 < j < n}} P(i,j)$
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	$\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+x}}}}}$	$\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+x}}}}}$
14	$\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2}\right) \varphi(x+iy) ^2 = 0$	$\left(rac{\partial^2}{\partial x^2} + rac{\partial^2}{\partial y^2} ight) \left arphi(x+\mathrm{i}y) ight ^2 = 0$
15	$2^{2^{2^x}}$	$2^{2^{2^x}}$
16	$\int_{1}^{x} \frac{dt}{t}$	$\int_1^x \frac{dt}{t}$
17	$\iint_{D} dx dy$	$\iint_D dxdy$
18	$f(x) = \begin{cases} 1/3 & \text{if } 0 \le x \le 1; \\ 2/3 & \text{if } 3 \le x \le 4; \\ 0 & \text{elsewhere.} \end{cases}$	$f(x) = \left\{egin{array}{ll} 1/3 & ext{if } 0 \leq x \leq 1; \ 2/3 & ext{if } 3 \leq x \leq 4; \ 0 & ext{elsewhere.} \end{array} ight.$

19	$\overbrace{x + \dots + x}^{k \text{ times}}$	$\overbrace{x++x}^{k ext{ times}}$
20	y_{x^2}	y_{x^2}
21	$\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t) d\pi(t)$	$\sum_{p ext{ prime}} f(p) = \int_{t>1} f(t) d\pi(t)$
22	$\{\underbrace{a,\ldots,a}_{k+l \text{ elements}},\underbrace{b,\ldots,b}_{l \text{ b's}}\}$	$\{\underbrace{a,,a,b,,b}_{k+\ell ext{ elements}}\}$
23	$\begin{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} & \begin{pmatrix} e & f \\ g & h \end{pmatrix} \\ 0 & \begin{pmatrix} i & j \\ k & l \end{pmatrix} \end{pmatrix}$	$\left(egin{array}{ccc} a & b & \left(egin{array}{ccc} e & f \ c & d \end{array} ight) & \left(egin{array}{ccc} e & f \ g & h \end{array} ight) & \ 0 & \left(egin{array}{ccc} i & j \ k & l \end{array} ight) \end{array} ight)$

24	$\det \begin{vmatrix} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{vmatrix} > 0$	$\detegin{array}{ c c c c c c c c c c c c c c c c c c c$
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'''