	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	$a_0+\cfrac{1}{a_1+\cfrac{1}{a_2+\cfrac{1}{a_3+\cfrac{1}{a_4}}}}$	a 0 + 1 a 1 + 1 a 2 + 1 a 3 + 1 a 4
7	$a_0+\cfrac{1}{a_1+\frac{1}{a_2+\frac{1}{a_3+\frac{1}{a_4}}}}$	a 0 + 1 a 1 + 1 a 2 + 1 a 3 + 1 a 4
8	$\binom{n}{k/2}$	(n k / 2)
9		(p 2) x 2 y p - 2 - 1 1 - x 1 1 - x 2

	$\binom{p}{2} x^2 y^{p-2} - \frac{1}{1-x}\frac{1}{1-x^2}$	
10	$\sum_{\substack{0 \le i \le m \\ 0 < j < n}} P(i,j)$	∑ 0 ≤ i ≤ m 0 < j < n P (i , j)
11	x^{2y}	x 2 y
12	$\sum_{i=1}^{p}\sum_{j=1}^{q}\sum_{k=1}^{r} a_{ij} b_{jk} c_{ki}$	∑ i = 1 p ∑ j = 1 q ∑ k = 1 r a i j b j k c k i
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	$\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2}\right)\left\vert\varphi(x+iy)\right\vert^2 = 0$	(∂ 2 ∂ x 2 + ∂ 2 ∂ y 2) | φ (x + i y) | 2 = 0
15	$2^{2^{2^x}}$	2 2 2 x
16	$\int_1^x \frac{dt}{t}$	∫ 1 x dt t
17	$\iint_D dx\,dy$	∬ D dx dy
18		f (x) = { 1 / 3 if 0 ≤ x ≤ 1 ; 2 / 3 if 3 ≤ x ≤ 4 ; 0 elsewhere.

	$f(x) = \begin{cases} 1/3 & \text{if } 0 \le x \le 1; \\ 2/3 & \text{if } 3 \le x \le 4; \\ 0 & \text{elsewhere.} \end{cases}$	
19	$\overbrace{x + \cdots + x}^{k \text{ times}}$	x + ... + x ‸ k times
20	y_{x^2}	y x 2
21	$\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t)\, d\pi(t)$	∑ p prime f (p) = ∫ t > 1 f (t) d π (t)
22	$\{\overbrace{a, \ldots, a}^{k\ a's}, \overbrace{b, \ldots, b}^{l\ b's}\}$ $k+l$ elements	{ (a , ... , a ‸ k a 's , (b , ... , b ‸ ℓ b 's ‿ k + ℓ 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	$\det \begin{vmatrix} c_0 & c_1 & c_2 & \cdots & c_n \\ c_1 & c_2 & c_3 & \cdots & c_{n+1} \\ c_2 & c_3 & c_4 & \cdots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \cdots & c_{2n} \end{vmatrix} > 0$	det | c 0 c 1 c 2 ... c n c 1 c 2 c 3 ... c n + 1 c 2 c 3 c 4 ... c n + 2 ⋮ ⋮ ⋮ ⋮ c n c n + 1 c n + 2 ... c 2 n | > 0
25	y_{x_2}	y x 2

26	$x_{92}^{31415} + \pi$	x 92 31415 + π
27	$x_{y_b^a}^{z_c^d}$	x y b a z c d
28	y_3'''	y 3 ‴