	As rendered by TeX	As rendered by your
1	x^2y^2	x^2y^2
2	$_2F_3$	$_2F_3$
3	$\dfrac{x+y^2}{k+1}$	$\dfrac{x+y^2}{k+1}$
4	$x+y^{\frac{2}{k+1}}$	$x+y^{\frac{2}{k+1}}$
5	$\dfrac{a}{b/2}$	$\dfrac{a}{b/2}$
6	$a_0 + \cfrac{1}{a_1 + \cfrac{1}{a_2 + \cfrac{1}{a_3 + \cfrac{1}{a_4}}}}$	$a_0 + \cfrac{1}{a_1 + \cfrac{1}{a_2 + \cfrac{1}{a_3 + \cfrac{1}{a_4}}}}$
7	$a_0 + \cfrac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$	$a_0 + \cfrac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 +}}}$
8	$\dbinom{n}{k/2}$	$\dbinom{n}{k/2}$
9	$\dbinom{p}{2}x^2y^{p-2} - \dfrac{1}{1-x}\dfrac{1}{1-x^2}$	$\dbinom{p}{2}x^2y^{p-2} - \dfrac{1}{1-x}\dfrac{1}{1-x^2}$
10	$\sum\limits_{\substack{0 \le i \le m \\ 0 < j < n}} P(i,j)$	$\sum\limits_{\substack{0 \le i \le m \\ 0 < j < n}} P(i, j)$
11	x^{2y}	x^{2y}
12	$\sum\limits_{i=1}^{p}\sum\limits_{j=1}^{q}\sum\limits_{k=1}^{r} a_{ij}b_{jk}c_{ki}$	$\sum\limits_{i=1}^{p}\sum\limits_{j=1}^{q}\sum\limits_{k=1}^{r} a_{ij}b_{jk}c_{ki}$
13	$\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+x}}}}}}}$	$\sqrt{1}+\sqrt{1}+\sqrt{1}+\sqrt{1}+\sqrt{1}+\sqrt{1}+\sqrt{1}+x$

14	$$\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2}\right)\left|\varphi(x+iy)\right|^2 = 0$$	$(\dfrac{,\grave{a}Ç^2}{,\grave{a}Ç\,x^2} + \dfrac{,\grave{a}Ç^2}{,\grave{a}Ç\,y^2})\left\|œÜ(x+iy)\right\|^2 = 0$
15	$$2^{2^{2^x}}$$	$2^{2^{2^x}}$
16	$$\int_1^x \frac{dt}{t}$$	$,\grave{a}\,^{\prime x}_{\ 1}\ \dfrac{dt}{t}$
17	$$\iint_D dx\,dy$$	$,\grave{a}^{\ddot{}}{}_D\ dx\,dy$
18	$$f(x) = \begin{cases} 1/3 & \text{if } 0 \le x \le 1; \\ 2/3 & \text{if } 3 \le x \le 4; \\ 0 & \text{elsewhere.} \end{cases}$$	$f(x) = \begin{cases} 1/3 & \text{if } 0 ,\hat{a}§ x ,\hat{a}§ 1; \\ 2/3 & \text{if } 3 ,\hat{a}§ x ,\hat{a}§ 4; \\ 0 & \text{elsewhere.} \end{cases}$
19	$$\overbrace{x + \cdots + x}^{k \text{ times}}$$	k times ,èû $x + ... + x$
20	$$y_{x^2}$$	y_{x^2}
21	$$\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t)\,d\pi(t)$$	$,\grave{a}\ddot{e}\ f(p) = ,\grave{a}\,^{\prime}{}_{t>1}\ f(t)\,dœÄ(t)$ p prime
22	$$\underbrace{\{\overbrace{a,\ldots,a}^{k\ a's},\overbrace{b,\ldots,b}^{l\ b's}\}}_{k+l \text{ elements}}$$	k a's ,èû $\tilde{N}$ì b's ,èû $\{a, ..., a, b, ..., b\}$,èü $k+,\tilde{N}$ì elements
23	$$\left(\begin{pmatrix} a & b \\ c & d \end{pmatrix} \quad \begin{pmatrix} e & f \\ g & h \end{pmatrix} \atop 0 \qquad \begin{pmatrix} i & j \\ k & l \end{pmatrix}\right)$$	$\left\|\begin{vmatrix} a & b \\ c & d \end{vmatrix}\ \begin{vmatrix} e & f \\ g & h \end{vmatrix} \atop 0 \quad \begin{vmatrix} i & j \\ k & l \end{vmatrix}\right\|$

24	$\det \begin{vmatrix} c_0 & c_1 & c_2 & \cdots & c_n \\ c_1 & c_2 & c_3 & \cdots & c_{n+1} \\ c_2 & c_3 & c_4 & \cdots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \cdots & c_{2n} \end{vmatrix} > 0$	$\det \begin{vmatrix} c_0 & c_1 & c_2 & , \\ c_1 & c_2 & c_3 & , \\ c_2 & c_3 & c_4 & , \\ ,\tilde{a}Æ & ,\tilde{a}Æ & ,\tilde{a}Æ & \\ c_n & c_{n+1} & c_{n+2} & , \end{vmatrix}$
25	y_{x_2}	y_{x_2}
26	$x_{92}^{31415} + \pi$	$x_{92}^{31415} + œÄ$
27	$x_{y_b^a}^{z_c^d}$	$x^{z_c^d}\ y_b^a$
28	y_3'''	$y_3^{,Ä¥}$