	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	$a_0+\frac{1}{a_1+\frac{1}{a_2+\frac{1}{a_3+\frac{1}{a_4}}}}$	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 $$\sum_{\substack{0\le i\le m\\ 0<j<n}} P(i,j)$$ â 0 â¤ i â¤ m 0 < j < n P (i , j)

11 $$x^{2y}$$ x 2 y

12 $$\sum_{i=1}^{p}\sum_{j=1}^{q}\sum_{k=1}^{r} a_{ij}b_{jk}c_{ki}$$ â i = 1 p â j = 1 q â 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 $$\left(\frac{\partial^2}{\partial x^2}+\frac{\partial^2}{\partial y^2}\right)\left|\varphi(x+iy)\right|^2 = 0$$ (â 2 â x 2 + â 2 â y 2) | Ï (x + i y) | 2 = 0

15 $$2^{2^{2^x}}$$ 2 2 2 x

16 $$\int_1^x \frac{dt}{t}$$ â« 1 x dt t

17 $$\iint_D dx\,dy$$ â¬ 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) = { 1 / 3 if 0 â¤ x â¤ 1 ; 2 / 3 if 3 â¤ x â¤ 4 ; 0 elsewhere.

19 $$\overbrace{x+\cdots+x}^{k \text{ times}}$$ x + ... + x â k times

20 y_{x^2} — y x 2

21 $\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t)\, d\pi(t)$ — â p prime f (p) = â« t > 1 f (t) d Ï (t)

22 $\{\overbrace{a, \ldots, a}^{k\ a's}, \overbrace{b, \ldots, b}^{l\ b's}\}$ $\underbrace{\qquad\qquad}_{k+l \text{ elements}}$ — { (a , ... , a â k a 's , (b , ... , b â â b 's â k + â 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 â¦ c n c 1 c 2 c 3 â¦ c n + 1 c 2 c 3 c 4 â¦ c n + 2 â® â® â® â® c n c n + 1 c n + 2 â¦ c 2 n | > 0

25 y_{x_2} — y x 2

26 $x_{92}^{31415} + \pi$ — x 92 31415 + Ï

27 $x^{z_c^d}_{y_b^a}$ — x y b a z c d

28 y_3''' — y 3 â´