

|    | 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 +<br>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 +<br>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<br>- x 2                    |
| 10 | $\sum_{\substack{0 \leq i \leq m \\ 0 < j < n}} P(i,j)$               | $\sum_{0 \leq i \leq m} \sum_{0 < j < n} P(i,j)$              |
| 11 | $x^{2y}$  | x 2 y   |
| 12 | $\sum_{i=1}^p \sum_{j=1}^q \sum_{k=1}^r a_{ij} b_{jk} c_{ki}$         | $\sum_{i=1}^p \sum_{j=1}^q \sum_{k=1}^r a_{ij} b_{jk} c_{ki}$ |
| 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 | $\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2}\right) \varphi(x+iy) ^2 = 0$   | $(\partial^2 \partial x^2 + \partial^2 \partial y^2) \varphi(x+iy) ^2 = 0$  |
| 15 | $2^{2^{2^x}}$   | $2 \ 2 \ 2 \ x$   |
| 16 | $\int_1^x \frac{dt}{t}$   | $\int 1 \ x \ dt \ t$   |
| 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 | $\overbrace{x + \cdots + x}^{k \text{ times}}$  | $x + \ldots + x \text{ } \overbrace{\hspace{1cm}}^{k \text{ times}}$  |
| 20 | $y_{x^2}$   | $y \ x \ 2$   |
| 21 | $\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t) \, d\pi(t)$  | $\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t) \, d\pi(t)$  |
| 22 | $\overbrace{\{a, \dots, a\}}^{k \text{ } a\text{'s}} \overbrace{\{b, \dots, b\}}^{l \text{ } b\text{'s}}$<br>$k+l \text{ elements}$   | $\{(\overbrace{a, \dots, a}^{k \text{ } a\text{'s}}, \overbrace{b, \dots, b}^{l \text{ } b\text{'s}}), \dots, (\overbrace{b, \dots, b}^{l \text{ } b\text{'s}}, \overbrace{a, \dots, a}^{k \text{ } a\text{'s}})\}$<br>$k+l \text{ elements}$ |
| 23 | $\begin{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} & \begin{pmatrix} e & f \\ g & h \end{pmatrix} \\ 0 & \begin{pmatrix} i & j \\ k & l \end{pmatrix} \end{pmatrix}$   | $((abc d)(efgh)0(ijkl))$  |
| 24 | $\det \begin{vmatrix} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{vmatrix} > 0$ | $\det   \begin{matrix} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{matrix}   > 0$         |
| 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 | $y_3'''$ | $y\ 3'''$ |
|----|----------|-----------|