

|   | As rendered by TeX                                                    | As rendered by your browser             |
|---|-----------------------------------------------------------------------|-----------------------------------------|
| 1 | $x^2 y^2$                                                             | 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 + 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 | $\binom{p}{2} x^2 y^{p-2} - \frac{1}{1-x} \frac{1}{1-x^2}$            | ( p 2 ) x 2 y p - 2 - 1 1 - x 1 1 - x 2 |

|    |                                                                                                                                    |                                                                                                                                    |
|----|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 10 | $\sum_{\substack{0 \leq i \leq m \\ 0 < j < n}} P(i, j)$                                                                           | $\sum_{0 \leq i \leq m} \sum_{0 < j < n} P(i, j)$                                                                                  |
| 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 | $f(x) = \begin{cases} 1/3 & \text{if } 0 \leq x \leq 1; \\ 2/3 & \text{if } 3 \leq x \leq 4; \\ 0 & \text{elsewhere.} \end{cases}$ | $f(x) = \begin{cases} 1/3 & \text{if } 0 \leq x \leq 1; \\ 2/3 & \text{if } 3 \leq x \leq 4; \\ 0 & \text{elsewhere.} \end{cases}$ |

|    |                                                                                                                                                                                                                                     |                                                                                                                                         |
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| 19 | $\overbrace{x + \dots + x}^{k \text{ times}}$                                                                                                                                                                                       | $x + \dots + x \text{ --- } k \text{ times}$                                                                                            |
| 20 | $yx^2$                                                                                                                                                                                                                              | $y \times 2$                                                                                                                            |
| 21 | $\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t) d\pi(t)$                                                                                                                                                                             | $\Sigma p \text{ prime } f(p) = \int t > 1 f(t) d \pi(t)$                                                                               |
| 22 | $\overbrace{\{a, \dots, a, b, \dots, b\}}^{k \text{ a's} \quad l \text{ b's}} \\ k+l \text{ elements}$                                                                                                                              | $\{(a, \dots, a \text{ --- } k \text{ a's}, (b, \dots, b \text{ --- } \ell \text{ b's} \text{ --- } k + \ell \text{ elements})\}$       |
| 23 | $\left( \begin{pmatrix} a & b \\ c & d \end{pmatrix} \quad \begin{pmatrix} e & f \\ g & h \end{pmatrix} \right)$<br>$0 \quad \begin{pmatrix} i & j \\ k & l \end{pmatrix}$                                                          | $((abcd)(efgh)0(ijkl))$                                                                                                                 |
| 24 | $\det \begin{vmatrix} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{vmatrix} > 0$ | $\det   c_0 c_1 c_2 \dots c_n c_1 c_2 c_3 \dots c_{n+1} c_2 c_3 c_4 \dots c_{n+2} \vdots \vdots c_n c_n + 1 c_{n+2} \dots c_{2n}   > 0$ |
| 25 | $yx_2$                                                                                                                                                                                                                              | $y \times 2$                                                                                                                            |
| 26 | $x_{92}^{31415} + \pi$                                                                                                                                                                                                              | $x \, 92 \, 31415 + \pi$                                                                                                                |
| 27 | $x_{y_b^a}^{z_c^d}$                                                                                                                                                                                                                 | $x \, y \, b \, a \, z \, c \, d$                                                                                                       |

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| 28 | $y_3'''$ | $y_3'''$ |
|----|----------|----------|