

| | 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 + 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 |

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| 10 | $\sum_{\substack{0 \leq i \leq m \\ 0 \leq j \leq n}} P(i, j)$ | $\sum_{0 \leq i \leq m} \sum_{0 \leq j \leq n} P(i, j)$ |
| 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 | $\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right) \varphi(x + iy) ^2 = 0$ | $(\partial^2_{xx} + \partial^2_{yy}) \varphi(x + iy) ^2 = 0$ |
| 15 | $2^{2^{2^x}}$ | $2^{2^{2^x}}$ |
| 16 | $\int_1^x \frac{dt}{t}$ | $\int_1^x \frac{1}{t} dt$ |
| 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 | $\overbrace{x + \cdots + x}^{k \text{ times}}$ | $x + \dots + x \text{ } \overbrace{\hspace{1cm}}^{k \text{ times}}$ |
| 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 | $\overbrace{\{a, \dots, a, b, \dots, b\}}^{k \text{ } a\text{'s} \quad l \text{ } b\text{'s}}$ $k+l \text{ elements}$ | $\{(a, \dots, a \text{ } \overbrace{\hspace{1cm}}^{k \text{ } a\text{'s}}, (b, \dots, b \text{ } \overbrace{\hspace{1cm}}^{\ell \text{ } b\text{'s}} \text{ } \overbrace{\hspace{1cm}}^{k+\ell \text{ elements}}\}$ |
| 23 | $\left(\begin{pmatrix} a & b \\ c & d \end{pmatrix} \quad \begin{pmatrix} e & f \\ g & h \end{pmatrix} \right)$ $0 \quad \begin{pmatrix} i & j \\ k & l \end{pmatrix}$ | $((abcd)(efgh)0(ijkl))$ |
| 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''' |
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