

| | As rendered by TeX | As rendered by your browser |
|---|---|---|
| 1 | x^2y^2 | x^2y^2 |
| 2 | ${}_2F_3$ | ${}_2F_3$ |
| 3 | $\frac{x+y^2}{k+1}$ | $\frac{x+y^2}{k+1}$ |
| 4 | $x+y^{\frac{2}{k+1}}$ | $x+y^{\frac{2}{k+1}}$ |
| 5 | $\frac{a}{b/2}$ | $\frac{a}{b/2}$ |
| 6 | $a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$ | $a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$ |
| 7 | $a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$ | $a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$ |
| 8 | $\binom{n}{k/2}$ | $\binom{n}{k/2}$ |

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| 9 | $\binom{p}{2} x^2 y^{p-2} - \frac{1}{1-x} \frac{1}{1-x^2}$ | $\binom{p}{2} x^2 y^{p-2} - \frac{1}{1-x} \frac{1}{1-x^2}$ |
| 10 | $\sum_{\substack{0 \leq i \leq m \\ 0 < j < n}} P(i, j)$ | $\sum_{\substack{0 \leq i \leq m \\ 0 < j < n}} P(i, j)$ |
| 11 | x^{2y} | x^{2y} |
| 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 | $\sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + x}}}}}}}$ | $\sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + x}}}}}}}$ |
| 14 | $\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right) \varphi(x + iy) ^2 = 0$ | $\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right) \varphi(x + iy) ^2 = 0$ |
| 15 | $2^{2^{2^x}}$ | $2^{2^{2^x}}$ |
| 16 | $\int_1^x \frac{dt}{t}$ | $\int_1^x \frac{dt}{t}$ |
| 17 | $\iint_D dx \, dy$ | $\iint_D dx \, dy$ |

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|----|---|---|
| 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 | $\overbrace{x + \dots + x}^{k \text{ times}}$ | $\overbrace{x + \dots + x}^{k \text{ times}}$ |
| 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 | $\overbrace{\{a, \dots, a, b, \dots, b\}}^{k \text{ a's } \quad l \text{ b's}} \\ k+l \text{ elements}$ | $\overbrace{\{a, \dots, a, b, \dots, b\}}^{k \text{ a's } \quad \ell \text{ b's}} \\ k + \ell \text{ elements}$ |
| 23 | $\begin{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} & \begin{pmatrix} e & f \\ g & h \end{pmatrix} \\ 0 & \begin{pmatrix} i & j \\ k & l \end{pmatrix} \end{pmatrix}$ | $\begin{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} & \begin{pmatrix} e & f \\ g & h \end{pmatrix} \\ 0 & \begin{pmatrix} i & j \\ k & l \end{pmatrix} \end{pmatrix}$ |
| 24 | $\det \begin{vmatrix} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{vmatrix} > 0$ | $\det \begin{vmatrix} c_0 & c_1 & c_2 & \dots & c_n \\ c_1 & c_2 & c_3 & \dots & c_{n+1} \\ c_2 & c_3 & c_4 & \dots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \dots & c_{2n} \end{vmatrix} > 0$ |

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| 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''' |