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EL-520X

CALCULATION EXAMPLES

ANWENDUNGSBEISPIELE

EXEMPLOS DE CÁLCUL

EJEMPLOS DE CÁLCULO

EXEMPLOS DE CÁLCULO

ESEMPI DI CALCOLO

REKENVOORBEELDEN

PÉLDASZÁMÍTÁSOK

ПРІКЛАДЫ ВΥΠΟΤΗΥ

RÄKNEEXEMPEL

LASKENTAESIMERKKEJÄ

ПРИМЕРЫ ВЫЧИСЛЕНИЙ

UDREGNINGSEKSEMPLER

ตัวอย่างการคำนวณ

نماذج الحسابات

计算例子

CONTOH-CONTOH PENGHITUNGAN

CONTOH-CONTOH PERHITUNGAN

| | |
|--|---|
| [1] <div> <div>▲▼</div> <div></div> </div> | |
| <div> <div> <div>①3+5=2=</div> <div>ONV 3 () 5 (+) 2 () =</div> </div> <div> <div>②3+5+2=</div> <div>3 (X) 5 (+) 2 (=)</div> </div> <div> <div>③3+5+3+2=</div> <div>3 (X) 5 (+) 3 (X) 2 (=)</div> </div> <div> <div>→①</div> <div>2ndF ▲</div> </div> <div> <div>→②</div> <div>▼</div> </div> <div> <div>→③</div> <div>▼</div> </div> <div> <div>→④</div> <div>▲</div> </div> </div> | <div> <div>21.</div> <div>17.</div> <div>17.</div> <div>21.</div> <div>17.</div> <div>21.</div> <div>17.</div> </div> |

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| [2] <div> <div>SETUP</div> <div></div> </div> | |
| <div> <div>100000÷3=</div> <div>ONV 100000 (÷) 3 (=)</div> </div> <div> <div>→[NORM1]</div> <div>SETUP 1 () 0 ()</div> </div> <div> <div>[TAB 2]</div> <div>SETUP 2 () 2 ()</div> </div> <div> <div>→[SC]</div> <div>SETUP 1 () 1 ()</div> </div> <div> <div>→[ENG]</div> <div>SETUP 1 () 2 ()</div> </div> <div> <div>→[NORM1]</div> <div>SETUP 1 () 3 ()</div> </div> | <div> <div>33'333.33333</div> <div>33'333.33333</div> <div>33.33 ×10⁰⁴</div> <div>33.33 ×10⁰⁴</div> <div>33'333.33333</div> </div> |
| <div> <div>3÷1000=</div> <div>ONV 3 (÷) 1000 (=)</div> </div> <div> <div>→[NORM1]</div> <div>SETUP 1 () 4 ()</div> </div> <div> <div>→[NORM2]</div> <div>SETUP 1 () 3 ()</div> </div> | <div> <div>0.003</div> <div>3. ×10⁻⁰⁹</div> <div>0.003</div> </div> |

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| [3] <div> <div>+</div> <div>−</div> <div>×</div> <div>÷</div> <div>()</div> <div>÷/−</div> <div>Exp</div> </div> | |
| <div> <div>45+285+3=</div> <div>ONV 45 (+) 285 (+) 3 (=)</div> </div> | <div> <div>140.</div> </div> |
| <div> <div>18+6</div> <div>() 18 (+) 6 () (+)</div> </div> <div> <div>15−8</div> <div>() 15 (−) 8 (=)</div> </div> | <div> <div>3.428571429</div> </div> |
| <div> <div>42×(−5)+120=</div> <div>42 (X) (÷) − 5 (+) 120 (=)</div> </div> <div> <div>÷1(5 (÷) −)</div> <div>÷1</div> </div> | <div> <div>−90.</div> </div> |
| <div> <div>(5×10³)+(4×10^{−5})=</div> <div>5 (Exp) 3 (÷) 4 (Exp)</div> </div> <div> <div>÷/−</div> <div>÷3 (=)</div> </div> | <div> <div>1'250'000.</div> </div> |

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| [4] | |
| <div> <div>34+57=</div> <div>34 (+) 57 (=)</div> </div> <div> <div>45+57=</div> <div>45 (=)</div> </div> | <div> <div>91.</div> <div>102.</div> </div> |
| <div> <div>68×25=</div> <div>68 (X) 25 (=)</div> </div> <div> <div>68÷40=</div> <div>68 (÷) 40 (=)</div> </div> | <div> <div>1'700.</div> <div>2'720.</div> </div> |

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| [5] <div> <div>sin</div> <div>cos</div> <div>tan</div> <div>sin^{−1}</div> <div>cos^{−1}</div> <div>tan^{−1}</div> <div>π</div> <div>hyp</div> <div>arc hyp</div> <div>ln</div> <div>log</div> <div>e^x</div> <div>10^x</div> <div>x²</div> <div>x³</div> <div>√</div> <div>y^x</div> <div>√x</div> <div>√y</div> <div>nt</div> <div>nPr</div> <div>nCr</div> <div>%</div> </div> | |
| <div> <div>sin60^o]=</div> <div>ONV (sin) 60 (=)</div> </div> | <div> <div>0.866025403</div> </div> |
| <div> <div>cos π/4 [rad]=</div> <div>2ndF (π) (÷) 4 () (=)</div> </div> | <div> <div>0.707106781</div> </div> |
| <div> <div>tan^{−1}[g]=</div> <div>SETUP (0) 2 (2ndF) tan^{−1} 1 (=)</div> </div> <div> <div>SETUP (0) 0 ()</div> </div> | <div> <div>50.</div> </div> |

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| [22] | <div> <div> $\bar{x} = \frac{\sum x}{n}$ $s\bar{x} = \sqrt{\frac{\sum x^2 - n\bar{x}^2}{n-1}}$ $\bar{y} = \frac{\sum y}{n}$ $s\bar{y} = \sqrt{\frac{\sum y^2 - n\bar{y}^2}{n-1}}$ </div> <div> <div> $\sigma_{\bar{x}} = \frac{\sqrt{\sum x^2 - n\bar{x}^2}}{n}$ $\Sigma \bar{x} = x_1 + x_2 + \cdots + x_n$ $\Sigma \bar{x}^2 = x_1^2 + x_2^2 + \cdots + x_n^2$ </div> <div> $\sigma_{\bar{y}} = \sqrt{\frac{\sum y^2 - n\bar{y}^2}{n}}$ $\Sigma \bar{y} = x_1y_1 + x_2y_2 + \cdots + x_ny_n$ $\Sigma \bar{y}^2 = y_1^2 + y_2^2 + \cdots + y_n^2$ </div> </div> </div> |
| [23] | <div> <div> $P(t) = \frac{1}{\sqrt{2\pi}} \int_{-\infty}^t e^{-\frac{x^2}{2}} dx$ $Q(t) = \frac{1}{\sqrt{2\pi}} \int_t^{\infty} e^{-\frac{x^2}{2}} dx$ $R(t) = \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{x^2}{2}} dx$ </div> <div> <div> $t = \frac{x - \bar{x}}{\sigma_{\bar{x}}}$ </div> <div> <div>Standardization conversion formula</div> <div>Standard Umrechnungsformel</div> <div>Formule de conversion de standardisation</div> <div>Fórmula de conversión de estandarización</div> <div>Fórmula de conversão padronizada</div> <div>Formula di conversione della standardizzazione</div> <div>Standardiserings omzettingformule</div> <div>Standard áttíðlausi képfel</div> <div>Vzorec pro přepočít rozdílůni</div> <div>Omvandlingsformel för standardisering</div> <div>Normitukaus konversiokaava</div> <div>Формула стандартизованного преобразования</div> <div>Omregningsformel for standardisering</div> <div>ფორმულა სტანდარტიზაციის</div> <div>صيغة التحويل لتوحيد المقاييس</div> <div>標準化的轉換公式</div> <div>Rumus penukaran pemiawaian</div> <div>Rumus konversi standarisasi</div> </div> </div> </div> |

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| [24] <div> <div>MODE (2-VLE)</div> <div></div> </div> | |
| <div> <div> $a_1x + b_1y = c_1$ $a_2x + b_2y = c_2$ </div> <div> <div> D =</div> <div>$\begin{vmatrix} a_1 & b_1 \\ a_2 & b_2 \end{vmatrix}$</div> </div> </div> | |
| <div> <div> $2x + 3y = 4$ $5x + 6y = 7$ </div> <div> <div>5 (ENT) 6 (ENT) 7</div> </div> </div> <div> <div> $x = ?$ $y = ?$ $z = ?$ </div> <div> <div>ENT [v]</div> <div>ENT [v]</div> <div>ENT [det(D)]</div> </div> </div> | <div> <div>−1.</div> <div>2.</div> <div>−3.</div> </div> |
| [25] <div> <div>MODE (3-VLE)</div> <div></div> </div> | |
| <div> <div> $a_1x + b_1y + c_1z = d_1$ $a_2x + b_2y + c_2z = d_2$ $a_3x + b_3y + c_3z = d_3$ </div> <div> <div> D =</div> <div>$\begin{vmatrix} a_1 & b_1 & c_1 \\ a_2 & b_2 & c_2 \\ a_3 & b_3 & c_3 \end{vmatrix}$</div> </div> </div> | |
| <div> <div> $\begin{cases} x + y - z = 9 \\ 6x + 6y - z = 17 \\ 14x - 7y + 2z = 42 \end{cases}$ </div> <div> <div>1 (ENT) 1 (ENT) 1 (÷) ENT 9 (ENT)</div> <div>6 (ENT) 6 (ENT) 1 (÷) ENT 17 (ENT)</div> <div>14 (ENT) 7 (÷) ENT 2 (ENT) 42</div> </div> </div> <div> <div> $x = ?$ $y = ?$ $z = ?$ </div> <div> <div>ENT [v]</div> <div>ENT [v]</div> <div>ENT [det(D)]</div> </div> </div> | <div> <div>3.238095238</div> <div>−1.638095238</div> <div>−7.4</div> <div>105.</div> </div> |

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| [26] <div> <div>MODE (QUAD, CUBIC)</div> <div></div> </div> | |
| <div> <div> $3x^2 + 4x - 95 = 0$ $x_1 = ?$ $x_2 = ?$ </div> <div> <div>3 (ENT) 4 (ENT) (÷/−) 95</div> <div>ENT</div> <div>2ndF ENT</div> </div> </div> | <div> <div>−6.333333333</div> <div>5.</div> </div> |
| <div> <div> $5x^3 + 4x^2 + 3x + 7 = 0$ $x_1 = ?$ $x_2 = ?$ </div> <div> <div>5 (ENT) 4 (ENT) 3 (ENT) 7</div> <div>ENT</div> <div>2ndF ENT</div> </div> </div> | <div> <div>−1.233600307</div> <div>0.216800153</div> <div>+1.043018296,</div> <div>0.216800153</div> <div>−1.043018296,</div> </div> |

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| [8] <div> <div>ALPHA RCL STO M+ M− ANS F1 F2 F3 F4</div> <div></div> </div> | |
| <div> <div> $\cosh 1.5 + \sinh 1.5)^2 =$ </div> <div> <div>ONV ((hyp) cos) 1.5 (+) (hyp)</div> <div>sin 1.5 () (X²) (=)</div> </div> </div> | <div> <div>20.08553692</div> </div> |
| <div> <div> $\tanh^{-1} \frac{5}{7} =$ </div> <div> <div>2ndF arc hyp (tan () 5</div> <div>÷ 7 () (=)</div> </div> </div> | <div> <div>0.895879734</div> </div> |
| <div> <div> $\ln 20 =$ </div> <div> <div>(ln) 20 (=)</div> </div> </div> | <div> <div>2.995732274</div> </div> |
| <div> <div> $\log 50 =$ </div> <div> <div>(log) 50 (=)</div> </div> </div> | <div> <div>1.698970004</div> </div> |
| <div> <div> $e^3 =$ </div> <div> <div>2ndF (e²) 3 (=)</div> </div> </div> | <div> <div>20.08553692</div> </div> |
| <div> <div> $10^{1.7} =$ </div> <div> <div>2ndF (10^x) 1.7 (=)</div> </div> </div> | <div> <div>50.11872336</div> </div> |
| <div> <div> $\frac{1}{6} + \frac{1}{7} =$ </div> <div> <div>6 2ndF (X^{−1}) (+) 7 2ndF (X^{−1}) (=)</div> </div> </div> | <div> <div>0.309523809</div> </div> |
| <div> <div> $8^2 - 3^4 \times 5^2 =$ </div> <div> <div>8 (Y²) (÷) − 3 (=) 3 (Y²)</div> <div>4 (X) 5 (X²) (=)</div> </div> </div> | <div> <div>−2'024.984375</div> </div> |
| <div> <div> $(12)^{\frac{1}{3}} =$ </div> <div> <div>12 (Y³) 3 (Y[÷]) 4</div> <div>2ndF (X³) (=)</div> </div> </div> | <div> <div>6.447419591</div> </div> |
| <div> <div> $8^2 =$ </div> <div> <div>8 (X²) (=)</div> </div> </div> | <div> <div>512.</div> </div> |
| <div> <div> $\sqrt{49} - \sqrt[4]{81} =$ </div> <div> <div>2ndF (√) 49 (−) 4 2ndF (√) 81 (=)</div> </div> </div> | <div> <div>4.</div> </div> |
| <div> <div> $\sqrt[3]{27} =$ </div> <div> <div>2ndF (√) 27 (=)</div> </div> </div> | <div> <div>3.</div> </div> |
| <div> <div> $4! =$ </div> <div> <div>4 2ndF (n!) (=)</div> </div> </div> | <div> <div>24.</div> </div> |
| <div> <div> $\sqrt[3]{9} =$ </div> <div> <div>10 2ndF (√) 3 (=)</div> </div> </div> | <div> <div>720.</div> </div> |
| <div> <div> $\sqrt[4]{2} =$ </div> <div> <div>5 2ndF (nCr) 2 (=)</div> </div> </div> | <div> <div>10.</div> </div> |
| <div> <div> $500 \times 25\% =$ </div> <div> <div>500 (X) 25 2ndF (%)</div> </div> </div> | <div> <div>125.</div> </div> |
| <div> <div> $120 \div 400 = ?\%$ </div> <div> <div>120 (÷) 400 2ndF (%)</div> </div> </div> | <div> <div>30.</div> </div> |
| <div> <div> $500 \div (500 \times 25\%) =$ </div> <div> <div>500 (÷) 25 2ndF (%)</div> </div> </div> | <div> <div>625.</div> </div> |
| <div> <div> $400 - (400 \times 30\%) =$ </div> <div> <div>400 (−) 30 2ndF (%)</div> </div> </div> | <div> <div>280.</div> </div> |

- The range of the results of inverse trigonometric functions
- Der Ergebnisbereich für inverse trigonometrische Funktionen
- Plage des résultats des fonctions trigonométriques inverses
- El rango de los resultados de funciones trigonométricas inversas
- Gama dos resultados das trigonometrias inversas
- Het bereik van de resultaten van inverse trigonometrie
- Az inverz trigonometriaí funkciók eredmény-tartományá
- Rozsah výsledků inverzních trigonometrických funkcí
- Omfång för resultaten av omvända trigonometriska funktioner
- Käänteisten trigonometristien funktioiden tulosten alue
- Диапазон результатов обратных тригонометрических функций
- Område for resultater af omvendte trigonometriske funktioner
- අවමන්වන ප්‍රතිඵලයන් ත්‍රිකෝණමිත්‍රික ශ්‍රිතයන්ගේ ප්‍රාන්තරය
- مجال نتائج الدوال المثلثية العكسية
- 反三角函数计算结果的范围
- Julat hasil fungsi trigonometri songsang
- Kisaran hasil fungsi trigonometri inversi

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| | $\theta = \sin^{-1} x, \theta = \tan^{-1} x$ | $\theta = \cos^{-1} x$ |
| DEG | $-90 \leq \theta \leq 90$ | $0 \leq \theta \leq 180$ |
| RAD | $-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2}$ | $0 \leq \theta \leq \pi$ |
| GRAD | $-100 \leq \theta \leq 100$ | $0 \leq \theta \leq 200$ |

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| [6] <div> <div>divx</div> <div>/dx</div> </div> | |
| <div> <div> $d(x^4 - 0.5x^2 + 6x^3)$ </div> <div> <div>ONV ALPHA (X) (Y²) 4 (−) 0.5 ALPHA</div> <div>X (X) X³ (+) 6 ALPHA X (X) X²</div> <div>2ndF (div x) 2 (ENT) ENT</div> <div>ENT 3 ENT 0.0002</div> </div> </div> | <div> <div>50.</div> </div> |
| <div> <div> $(x=3$ </div> <div> <div>ENT 3 ENT 0.001 ENT</div> </div> </div> | <div> <div>130.5000029</div> </div> |
| <div> <div> $(dx=0.001$ </div> <div> <div>ENT 3 ENT 0.001 ENT</div> </div> </div> | |
| <div> <div> $\int_2^5 (x^2 - 5)dx$ </div> <div> <div>ONV ALPHA (X) (X²) (−) 5</div> <div>dx 2 ENT 8 ENT ENT</div> <div>ENT 10 ENT</div> </div> </div> | <div> <div>138.</div> <div>138.</div> </div> |

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| [7] <div> <div>DRG►</div> <div></div> </div> | |
| <div> <div> $90^{\circ} \rightarrow [rad]$ </div> <div> <div>ONV 90 2ndF DRG►</div> <div>2ndF DRG►</div> </div> </div> | <div> <div>1.570796327</div> <div>100.</div> <div>90.</div> </div> |
| <div> <div> $\rightarrow [g]$ </div> <div> <div>2ndF DRG►</div> </div> </div> | |
| <div> <div> $\rightarrow [r]$ </div> <div> <div>2ndF DRG►</div> </div> </div> | |
| <div> <div> $\sin^{-1}0.8 = [^{\circ}]$ </div> <div> <div>2ndF (sin^{−1}) 0.8 (=)</div> </div> </div> | <div> <div>53.13010235</div> </div> |
| <div> <div> $\rightarrow [rad]$ </div> <div> <div>2ndF DRG►</div> </div> </div> | <div> <div>0.927295218</div> </div> |
| <div> <div> $\rightarrow [g]$ </div> <div> <div>2ndF DRG►</div> </div> </div> | <div> <div>59.03344706</div> </div> |
| <div> <div> $\rightarrow [r]$ </div> <div> <div>2ndF DRG►</div> </div> </div> | <div> <div>53.13010235</div> </div> |

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| [27] <div> <div>MODE (CPLX)</div> <div></div> </div> | |
| <div> <div> $(12-6i) + (7+15i) - (11+4i) =$ </div> <div> <div>MODE (3)</div> <div>12 (−) 6 (i) (+) 7 (+) 15 (i) (−)</div> <div>11 (+) 4 (i) 2ndF (↔) [v]</div> <div>2ndF (↔) [v]</div> </div> </div> | <div> <div>8.</div> <div>+5.</div> <div>8.</div> </div> |
| <div> <div> $6 \times (7-9i) \times (-5+8i) =$ </div> <div> <div>6 (X) (7 −) 9 (i) (X)</div> <div>() 5 (+) − 5 (+) 8 (i) () 2ndF (↔) [v]</div> </div> </div> | <div> <div>222.</div> <div>+606.</div> </div> |
| <div> <div> $16x(\sin30^{\circ} + i\cos30^{\circ}) + i\cos60^{\circ} =$ </div> <div> <div>16 (X) (i) sin 30 (+)</div> <div>i cos 30 () (÷) (i) sin 60 (+)</div> <div>i cos 60 () (=) [v]</div> <div>2ndF (↔) [v]</div> </div> </div> | <div> <div>13.85640646</div> <div>+8.</div> </div> |
| <div> <div> $r_1 = 8, \theta_1 = 70^{\circ}$ $r_2 = 12, \theta_2 = 25^{\circ}$ </div> <div> <div>2ndF (↔) r1 8 (÷) 70 (+) 12 (÷) 25</div> <div>2ndF (↔) [v]</div> </div> </div> | <div> <div>18.5408873</div> <div>∠ 42.76427608</div> </div> |
| <div> <div> $r = ? , \theta = ?^{\circ}$ </div> <div> <div>(i +)</div> <div>↓</div> <div>r = ? , θ = ?^o</div> </div> </div> | <div> <div>1.</div> <div>1.41423562</div> <div>+45.</div> </div> |
| <div> <div> $(2-3i)^2 =$ </div> <div> <div>2ndF (↔) () 2 (−) 3 (i) () (X²)</div> <div>2ndF (↔) [v]</div> </div> </div> | <div> <div>−5.</div> <div>−12.</div> </div> |
| <div> <div> $\frac{1}{1+i} =$ </div> <div> <div>() 1 (+) (i) () 2ndF (X^{−1}) (=)</div> <div>2ndF (↔) [v]</div> </div> </div> | <div> <div>0.5</div> <div>−0.5.</div> </div> |
| <div> <div> $CONJ(5+2i) =$ </div> <div> <div>MATH (5) (+) 2 (i) () 2ndF (↔) [v]</div> </div> </div> | <div> <div>5.</div> <div>−2.</div> </div> |

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| [28] | |
| Function Funktion Fonction Função Funzioni Functie Függvény Fункке Funktion Funktio Функция Funktion ฟังก์ชัน الوظائف 函数 Fungsi Fungsi | Dynamic range zulässiger Bereich Plage dynamique Rango dinámico Gama dinâmica Campi dinamici Rekencapaciteit Megengedett számítási tartomány Dynamický rozsah Definitionsområde Dynaaminen ala Динамический диапазон Dynamikområde พิสัยในการคำนวณ الطاق الديناميكي 取值范围 Julat dinamik Kisaran dinamis |
| $\sin x, \cos x,$ $\tan x$ | DEG: $ x < 10^{10}$ $(\tan x : x \neq 90 (2n-1))^*$ RAD: $ x < \frac{\pi}{180} \times 10^{10}$ $(\tan x : x \neq \frac{\pi}{2} (2n-1))^*$ GRAD: $ x < \frac{10}{9} \times 10^{10}$ $(\tan x : x \neq 100 (2n-1))^*$ |
| $\sin^{-1}x, \cos^{-1}x$ $\tan^{-1}x, \sqrt[n]{x}$ $\ln x, \log x$ | $ x \leq 1$ $ x < 10^{100}$ $10^{-99} \leq x < 10^{100}$ $y > 0$: $-10^{100} < x \log y < 100$ $y > 0$: $0 < x < 10^{100}$ $y < 0$: $x = n$ $(0 < x < 1; \frac{1}{x} = 2n-1, x \neq 0)^*$, $-10^{100} < x \log y < 100$ |
| y^x | $y > 0$: $-10^{100} < \frac{1}{x} \log y < 100 (x \neq 0)$ $y > 0$: $0 < x < 10^{100}$ $y < 0$: $x = 2n-1$ $(0 < x < 1; \frac{1}{x} = n, x \neq 0)^*$, $-10^{100} < \frac{1}{x} \log y < 100$ |
| $x^{\sqrt{y}}$ | $y > 0$: $-10^{100} < \frac{1}{x} \log y < 100 (x \neq 0)$ $y > 0$: $0 < x < 10^{100}$ $y < 0$: $x = 2n-1$ $(0 < x < 1; \frac{1}{x} = n, x \neq 0)^*$, $-10^{100} < \frac{1}{x} \log y < 100$ |
| e^x 10^x | $-10^{100} < x \leq 230.2585092$ $-10^{100} < x < 100$ |
| $\sinh x, \cosh x,$ $\tanh x$ | $ x \leq 230.2585092$ |
| $\sinh^{-1} x$ $\cosh^{-1} x$ $\tanh^{-1} x$ | $ x < 10^{50}$ $1 \leq x < 10^{50}$ $ x < 1$ |
| x^2 x^3 \sqrt{x} x^{-1} $n!$ | $ x < 10^{50}$ $ x < 2.15443469 \times 10^{33}$ $0 \leq x < 10^{100}$ $ x < 10^{10} (x \neq 0)$ $0 \leq n \leq 69^*$ |