



Croissances comparées

n = 4

| x | rac x | ln x | x ² | exp x | xn | ln x / x | ln x / racx | lnx / xn | expx / x | expx / xn |
|------|--------|--------|----------------|--------|-------|----------|-------------|----------|----------|-----------|
| 1 | 1 | 0 | 1 | 2,7183 | 1 | 0 | 0 | 0 | 2,71828 | 2,718282 |
| 2 | 1,4142 | 0,6931 | 4 | 7,3891 | 16 | 0,34657 | 0,490129 | 0,04332 | 3,69453 | 0,461816 |
| 3 | 1,7321 | 1,0986 | 9 | 20,086 | 81 | 0,3662 | 0,634284 | 0,01356 | 6,69518 | 0,24797 |
| 4 | 2 | 1,3863 | 16 | 54,598 | 256 | 0,34657 | 0,693147 | 0,00542 | 13,6495 | 0,213274 |
| 5 | 2,2361 | 1,6094 | 25 | 148,41 | 625 | 0,32189 | 0,719763 | 0,00258 | 29,6826 | 0,237461 |
| 6 | 2,4495 | 1,7918 | 36 | 403,43 | 1296 | 0,29863 | 0,731483 | 0,00138 | 67,2381 | 0,311288 |
| 7 | 2,6458 | 1,9459 | 49 | 1096,6 | 2401 | 0,27799 | 0,735485 | 0,00081 | 156,662 | 0,45674 |
| 8 | 2,8284 | 2,0794 | 64 | 2981 | 4096 | 0,25993 | 0,735194 | 0,00051 | 372,62 | 0,727773 |
| 9 | 3 | 2,1972 | 81 | 8103,1 | 6561 | 0,24414 | 0,732408 | 0,00033 | 900,343 | 1,235038 |
| 10 | 3,1623 | 2,3026 | 100 | 22026 | 10000 | 0,23026 | 0,728141 | 0,00023 | 2202,65 | 2,202647 |
| 50 | 7,0711 | 3,912 | 2500 | 5E+21 | 6E+06 | 0,07824 | 0,553244 | 6,3E-07 | 1E+20 | 8,3E+14 |
| 100 | 10 | 4,6052 | 10000 | 3E+43 | 1E+08 | 0,04605 | 0,460517 | 4,6E-08 | 2,7E+41 | 2,69E+35 |
| 500 | 22,361 | 6,2146 | 250000 | 1E+217 | 6E+10 | 0,01243 | 0,277926 | 9,9E-11 | 3E+214 | 2,2E+206 |
| 1000 | 31,623 | 6,9078 | 1E+06 | ##### | 1E+12 | 0,00691 | 0,218442 | 6,9E-12 | ##### | ##### |

Croissances comparées

n = 3

| x | rac x | ln x | x ² | exp x | xn | ln x / x | ln x / racx | lnx / xn | expx / x | expx / xn |
|------|--------|--------|----------------|--------|--------|----------|-------------|----------|----------|-----------|
| 1 | 1 | 0 | 1 | 2,7183 | 1 | 0 | 0 | 0 | 2,71828 | 2,718282 |
| 2 | 1,4142 | 0,6931 | 4 | 7,3891 | 8 | 0,34657 | 0,490129 | 0,08664 | 3,69453 | 0,923632 |
| 3 | 1,7321 | 1,0986 | 9 | 20,086 | 27 | 0,3662 | 0,634284 | 0,04069 | 6,69518 | 0,743909 |
| 4 | 2 | 1,3863 | 16 | 54,598 | 64 | 0,34657 | 0,693147 | 0,02166 | 13,6495 | 0,853096 |
| 5 | 2,2361 | 1,6094 | 25 | 148,41 | 125 | 0,32189 | 0,719763 | 0,01288 | 29,6826 | 1,187305 |
| 6 | 2,4495 | 1,7918 | 36 | 403,43 | 216 | 0,29863 | 0,731483 | 0,0083 | 67,2381 | 1,867726 |
| 7 | 2,6458 | 1,9459 | 49 | 1096,6 | 343 | 0,27799 | 0,735485 | 0,00567 | 156,662 | 3,197181 |
| 8 | 2,8284 | 2,0794 | 64 | 2981 | 512 | 0,25993 | 0,735194 | 0,00406 | 372,62 | 5,822184 |
| 9 | 3 | 2,1972 | 81 | 8103,1 | 729 | 0,24414 | 0,732408 | 0,00301 | 900,343 | 11,11534 |
| 10 | 3,1623 | 2,3026 | 100 | 22026 | 1000 | 0,23026 | 0,728141 | 0,0023 | 2202,65 | 22,02647 |
| 50 | 7,0711 | 3,912 | 2500 | 5E+21 | 125000 | 0,07824 | 0,553244 | 3,1E-05 | 1E+20 | 4,15E+16 |
| 100 | 10 | 4,6052 | 10000 | 3E+43 | 1E+06 | 0,04605 | 0,460517 | 4,6E-06 | 2,7E+41 | 2,69E+37 |
| 500 | 22,361 | 6,2146 | 250000 | 1E+217 | 1E+08 | 0,01243 | 0,277926 | 5E-08 | 3E+214 | 1,1E+209 |
| 1000 | 31,623 | 6,9078 | 1E+06 | ##### | 1E+09 | 0,00691 | 0,218442 | 6,9E-09 | ##### | ##### |



