

# Multi-headed Lattice Green Function (N = 5, M = 3)

## Polya Number

*In[ ]:=* **NN = 5;**  
**MM = 3;**

Recall some basic definitions in the paper:

$$P_{M,N}(z) := \frac{1}{(2\pi)^N} \int_{-\pi}^{\pi} \cdots \int_{-\pi}^{\pi} \frac{1}{1 - \frac{z}{\binom{N}{M}} \sigma_M(\cos \theta_1, \dots, \cos \theta_N)} d\theta_1 \dots d\theta_N$$

$$R_{M,N}(z) := P_{M,N} \left( 2^M \binom{N}{M} z \right) \text{ and } R_{M,N}(z) = \sum_{n \geq 0} r_{M,N}(n) z^n$$

Also, for  $M$  odd or  $M = N$ , we always have  $r(2n+1) = 0$ . Hence, define

$$\tilde{r}_{M,N}(n) := r_{M,N}(2n) \text{ and } \tilde{R}_{M,N}(z) := \sum_{n \geq 0} \tilde{r}_{M,N}(n) z^n = \sum_{n \geq 0} r_{M,N}(2n) z^n$$

**Our goal is to find the associated Polya number of the lattice in question.**

**Command: [UnrollRecurrence](#)**

Generate a sequence from recurrence & initial values (Koutschan's implementation).

```
In[ ]:= (* given a recurrence rec in f[n], compute the values {f[0],f[1],...,f[bound]}
where inits are the initial values
{f[0],...,f[d-1]} with d being the order of the recurrence *)
Clear[UnrollRecurrence];
UnrollRecurrence[rec1_, f_[n_], inits_, bound_] :=
Module[{i, x, vals = inits, rec = rec1},
If[Head[rec] != Equal, rec = (rec == 0)];
rec = rec /. n -> n - Max[Cases[rec, f[n + a_] => a, Infinity]];
Do[
AppendTo[vals,
Solve[rec /. n -> i /. f[i] -> x /. f[a_] => vals[[a + 1]], x][[1, 1, 2]]];
, {i, Length[inits], bound}];
Return[vals];
];
```

**Command: [SeqLimit](#)**

Compute the limit of a convergent sequence (Koutschan's implementation).

```
In[ ]:= (* Given the first values {f[0],...,f[m]} of a sequence f[n] and a basis of
its asymptotic solutions, compute the limit Limit[f[n], n->Infinity]. *)
Clear[SeqLimit];
SeqLimit[data_List, asym_, n_] :=
Module[{c, d = Length[asym], pos, ansatz, sol},
pos = Length[data] + Range[-d, -1];
ansatz = Array[c, d].asym;
sol = Solve[(ansatz /. n -> #) == data[[# + 1]] & /@ pos, Array[c, d]][[1]];
Return[N[c[d] /. sol, 200]];
];
```

**Load RISC packages.**

```
In[ ]:= << RISC`HolonomicFunctions`
<< RISC`Asymptotics`
<< RISC`Guess`
```

HolonomicFunctions Package version 1.7.3 (21-Mar-2017)  
 written by Christoph Koutschan  
 Copyright Research Institute for Symbolic Computation (RISC),  
 Johannes Kepler University, Linz, Austria

```
--> Type ?HolonomicFunctions for help.
```

Asymptotics Package version 0.3  
 written by Manuel Kauers  
 Copyright Research Institute for Symbolic Computation (RISC),  
 Johannes Kepler University, Linz, Austria

Package GeneratingFunctions version 0.9 written by Christian Mallinger  
 Copyright Research Institute for Symbolic Computation (RISC),  
 Johannes Kepler University, Linz, Austria

Guess Package version 0.52  
 written by Manuel Kauers  
 Copyright Research Institute for Symbolic Computation (RISC),  
 Johannes Kepler University, Linz, Austria

```
In[ ]:= ClearAll[Seq];
```

**Load in advance the REC for  $\tilde{r}_{3,5}(n)$  in Theorem 5.2 at the end of this file!**

**Translate the recurrence in terms of Ore Polynomials.**

```
In[ ]:= RECinS = ToOrePolynomial[REC /. {Seq[k_] -> S[α]k-α}] ;
```

**Compute the recurrence for the *partial* Green function:  $\sum_{0 \leq n \leq n_0} \tilde{r}_{M,N}(n) \left( \frac{1}{2^M \binom{N}{M}} \right)^{2n}$ .**

```
In[ ]:= RECPartialGreeninS =
  DFiniteTimes[{RECinS}, Annihilator[ $\left( \frac{1}{2^{MM} \text{Binomial}[NN, MM]} \right)^{2\alpha}$ , S[α]]][[1]] **
  (S[α] - 1);
```

```
In[ ]:= OrePolynomialDegree[RECPartialGreeninS, S[α]]
```

```
Out[ ]:= 9
```

```
In[ ]:= RECPartialGreen = ApplyOreOperator[RECPartialGreeninS, Seq[α]] ;
```

**Compute the initial values of the partial Green function by the values of  $\tilde{r}$  and then generate a list.**

```
In[*]:= RIni = {1, 80, 71280, 174723200, 573097798000,
  2167896636622080, 8985422897458761600, 39715087515602010969600,
  184117919068859169897874800, 885583425721845622168327673600,
  4386099498479864249745335277940480, 22247397800048478195602015186152627200,
  115098804250860069129718190506184702588800};
```

```
PartialGreenIni = Table[Sum[RIni[[i]] *  $\left(\frac{1}{2^{MM} \text{Binomial}[NN, MM]}\right)^{2(i-1)}$ , {i, 1, m}],
  {m, 0, Length@RIni}]
```

```
Out[*]:= {0, 1,  $\frac{81}{80}$ ,  $\frac{519291}{512000}$ ,  $\frac{83141161}{81920000}$ ,  $\frac{851652037539}{838860800000}$ ,
   $\frac{8518214044637361}{21809435898927100023}$ ,  $\frac{34898200179495516443907}{343597383680000000000000}$ ,
   $\frac{838860800000000000}{2147483648000000000000}$ ,  $\frac{7147611691558353915636898287}{2859183049033610604633223115999}$ ,
   $\frac{703687441776640000000000000000}{2814749767106560000000000000000}$ ,
   $\frac{91497284209308726742208253255153891}{2927999985955356951186156745367454207}$ ,
   $\frac{900719925474099200000000000000000000}{2882303761517117440000000000000000000}$ ,
   $\frac{1499171967657242669672334262297346838117959}{1475739525896764129280000000000000000000000000000}$ }
```

```
In[*]:= Bound = 5000;
```

```
PartialGreenList = UnrollRecurrence[RECPartialGreen, Seq[α], PartialGreenIni, Bound];
```

Analyze the asymptotic behavior of the sequence of partial Green function values.

**WARNING: There is a severe memory crash even for the case of order zero!**

```
Asymptotics[RECPartialGreen, Seq[α]]
```

So we have to look only at the truncations of Green functions. Here are some numerical evaluations.

```
In[*]:= N[PartialGreenList[[1000]], 30]
```

```
Out[*]:= 1.01606554241989107766690282955
```

```
In[*]:= N[PartialGreenList[[2000]], 30]
```

```
Out[*]:= 1.01606571744728252973412172256
```

```
In[*]:= N[PartialGreenList[[3000]], 30]
```

```
Out[*]:= 1.01606576101951206217962076370
```

```
In[*]:= N[PartialGreenList[[4000]], 30]
```

```
Out[*]:= 1.01606577925493033105311450594
```

```
In[*]:= N[PartialGreenList[[4200]], 30]
```

```
Out[*]:= 1.01606578163947646853793795486
```

```
In[*]:= N[PartialGreenList[[4400]], 30]
```

```
Out[*]:= 1.01606578375610453036838412979
```

```
In[*]:= N[PartialGreenList[[4600]], 30]
```

```
Out[*]:= 1.01606578564514195299415447029
```

```
In[*]:= N[PartialGreenList[[4800]], 30]
```

```
Out[*]:= 1.01606578733943402681794702228
```

```
In[*]:= N[PartialGreenList[[5000]], 30]
```

```
Out[*]:= 1.01606578886597329368118318188
```

```
In[*]:= N[1 - 1/PartialGreenList[[5000]], 30]
```

```
Out[*]:= 0.0158117604608105665260694249776
```

### Load the REC for $\tilde{r}_{3,5}(n)$ in Theorem 5.2.

```
In[*]:= REC =
```

```
(322 911 616 822 415 177 208 760 005 993 808 794 705 217 831 942 911 646 312 085 731 081 057 955 \
014 805 882 505 862 337 808 826 368 000 000 000 +
6 175 379 067 629 761 092 026 310 605 879 101 228 113 154 646 292 630 092 059 510 596 275 535 \
710 613 180 402 973 695 273 725 224 550 400 000 000  $\alpha$  +
57 150 995 244 713 646 689 425 096 163 314 003 983 272 142 036 569 864 573 791 690 548 947 431 \
184 367 039 062 945 719 640 251 925 790 720 000 000  $\alpha^2$  +
341 552 472 315 856 031 258 399 610 944 660 070 130 600 123 308 728 544 060 294 786 334 914 \
208 151 182 366 317 514 210 541 978 504 921 088 000 000  $\alpha^3$  +
1 483 883 558 391 218 704 992 752 098 498 377 208 613 608 485 973 433 354 319 775 268 855 616 \
289 390 914 698 085 560 518 171 891 088 542 924 800 000  $\alpha^4$  +
5 001 554 219 313 670 522 632 772 993 276 136 799 251 214 964 789 164 414 344 894 106 919 465 \
927 598 504 785 785 470 030 747 045 873 477 222 400 000  $\alpha^5$  +
13 629 496 838 826 741 854 599 999 880 941 464 218 484 198 886 146 038 542 145 574 442 811 426 \
107 753 270 749 130 959 907 597 510 047 405 441 024 000  $\alpha^6$  +
30 895 658 444 607 687 602 508 809 956 640 695 074 849 528 458 912 817 797 484 848 141 565 085 \
953 699 186 294 795 255 376 956 977 731 002 276 249 600  $\alpha^7$  +
59 486 389 908 530 411 042 309 331 920 529 626 868 868 437 654 516 326 518 390 817 425 324 329 \
537 770 356 651 634 635 130 986 420 567 683 996 057 600  $\alpha^8$  +
98 845 118 507 944 139 788 056 833 916 452 177 660 504 662 307 687 771 102 067 221 107 543 104 \
407 342 889 629 336 213 684 092 908 458 220 925 747 200  $\alpha^9$  +
143 534 001 782 823 904 885 064 942 970 608 236 102 306 130 812 234 915 683 944 899 756 788 \
767 508 067 316 396 543 876 406 639 781 327 858 040 832 000  $\alpha^{10}$  +
183 995 472 564 082 531 907 338 280 657 977 168 356 021 240 394 363 265 689 141 141 137 857 \
143 670 173 198 181 851 726 500 731 783 332 770 506 342 400  $\alpha^{11}$  +
209 952 451 213 511 825 931 787 402 877 507 041 067 987 129 117 166 764 667 314 033 080 135 \
143 050 888 865 287 245 098 448 595 926 437 515 073 945 600  $\alpha^{12}$  +
214 737 229 909 490 267 608 384 589 460 589 062 080 141 722 354 738 675 476 755 192 517 153 \
145 245 146 859 494 896 304 044 144 139 142 504 539 750 400  $\alpha^{13}$  +
198 020 283 577 376 857 777 953 005 360 796 306 560 462 642 157 413 166 894 035 474 177 398 \
854 789 704 804 340 759 523 132 802 833 700 388 392 140 800  $\alpha^{14}$  +
165 461 697 016 310 375 805 371 916 160 321 611 629 599 862 488 321 295 469 875 990 148 771 \
284 206 956 797 867 750 842 425 874 614 864 408 320 409 600  $\alpha^{15}$  +
125 816 057 926 140 961 148 315 578 363 950 100 140 123 362 431 081 036 130 320 547 174 137 \
099 925 266 639 354 931 660 416 280 095 205 414 141 952 000  $\alpha^{16}$  +
87 385 481 695 258 268 810 489 654 810 639 010 057 487 882 265 926 048 040 536 019 641 050 291 \
048 203 438 506 393 848 698 659 159 991 668 388 659 200  $\alpha^{17}$  +
55 617 299 559 138 476 235 508 928 465 707 264 508 500 737 832 258 506 261 884 551 740 283 690 \
086 380 736 977 437 912 245 303 370 194 548 372 275 200  $\alpha^{18}$  +
32 529 045 255 552 049 972 616 038 444 272 407 039 394 177 739 321 152 166 897 153 299 327 461 \
795 354 574 590 610 065 101 947 152 562 704 823 091 200  $\alpha^{19}$  +
17 526 392 868 749 285 632 529 985 797 509 755 933 757 460 655 158 647 444 135 775 212 365 419 \
719 644 358 216 732 214 162 578 298 111 666 631 475 200  $\alpha^{20}$  +
```

8 717 824 612 530 875 962 225 873 262 992 921 066 584 246 265 262 057 745 230 733 290 977 480 \
 544 031 025 594 922 586 958 879 907 843 577 741 312 000  $\alpha^{21}$  +

4 010 829 689 273 892 286 503 223 143 016 046 400 915 439 235 647 788 952 242 821 096 153 744 \
 200 673 443 518 048 557 460 772 352 950 795 449 139 200  $\alpha^{22}$  +

1 709 549 015 078 430 035 491 528 796 546 126 321 468 312 852 312 561 390 950 242 267 160 986 \
 987 402 011 335 726 670 670 276 657 677 509 381 324 800  $\alpha^{23}$  +

676 030 046 249 665 981 883 009 953 467 798 241 492 687 636 354 292 732 225 539 391 089 879 \
 228 812 004 698 959 315 521 180 208 339 670 269 952 000  $\alpha^{24}$  +

248 323 089 602 938 738 318 723 622 179 012 624 277 821 676 668 497 531 130 528 900 270 884 \
 856 191 786 648 292 637 116 624 801 927 804 433 203 200  $\alpha^{25}$  +

84 817 420 187 767 495 485 657 873 274 895 045 494 896 690 048 507 584 649 398 671 695 714 363 \
 802 661 381 256 872 459 287 119 607 527 112 704 000  $\alpha^{26}$  +

26 961 637 047 282 880 741 605 268 743 385 354 739 124 075 638 195 261 379 005 202 345 311 254 \
 051 109 353 973 856 266 608 193 357 042 889 523 200  $\alpha^{27}$  +

7 981 926 152 204 287 860 937 560 972 831 462 254 939 406 115 880 045 661 596 139 914 001 337 \
 683 214 130 827 022 828 822 469 535 972 353 638 400  $\alpha^{28}$  +

2 201 965 014 257 367 614 817 666 715 312 231 463 496 388 985 273 424 936 716 525 795 837 998 \
 944 909 780 810 187 320 500 964 686 484 524 236 800  $\alpha^{29}$  +

566 280 883 046 844 430 989 452 282 803 387 060 834 982 981 923 607 393 194 327 715 154 116 \
 037 443 372 145 101 542 957 652 216 240 091 955 200  $\alpha^{30}$  +

135 796 273 071 476 712 579 259 382 294 745 026 718 981 812 920 115 322 006 713 685 327 585 \
 066 863 354 944 708 928 296 993 399 908 807 475 200  $\alpha^{31}$  +

30 369 176 678 603 873 922 169 700 639 484 430 706 586 664 050 537 780 562 186 497 403 094 270 \
 010 478 332 203 553 876 893 337 522 064 588 800  $\alpha^{32}$  +

6 333 756 551 621 353 980 594 200 991 887 038 433 288 664 977 748 582 432 016 918 774 559 256 \
 613 549 938 681 148 751 608 352 613 806 899 200  $\alpha^{33}$  +

1 231 701 494 959 405 133 001 511 742 385 436 195 317 825 313 698 070 112 662 210 304 935 434 \
 719 613 553 376 185 376 105 863 098 610 483 200  $\alpha^{34}$  +

223 272 447 210 620 462 460 167 946 979 909 014 125 491 242 019 964 283 277 908 861 856 860 \
 345 655 408 675 110 912 803 163 286 693 478 400  $\alpha^{35}$  +

37 709 885 460 459 039 481 643 193 528 137 546 124 681 780 107 933 640 217 531 497 535 879 390 \
 162 030 453 444 252 970 080 896 496 435 200  $\alpha^{36}$  +

5 930 653 227 832 640 628 406 927 239 419 117 138 656 253 369 200 014 469 675 148 985 849 558 \
 611 271 233 149 765 857 464 890 372 915 200  $\alpha^{37}$  +

867 844 254 795 235 660 483 737 989 880 395 358 342 395 569 870 766 000 450 821 315 058 801 \
 880 586 530 411 510 722 719 316 862 566 400  $\alpha^{38}$  +

118 048 471 375 630 467 448 419 613 433 626 820 201 599 744 682 374 988 320 582 547 772 455 \
 481 088 402 375 085 985 228 120 706 252 800  $\alpha^{39}$  +

14 909 453 448 933 081 856 557 349 094 592 217 206 118 576 748 843 594 472 817 056 286 964 828 \
 196 973 281 333 557 022 625 156 300 800  $\alpha^{40}$  +

1 746 052 347 447 597 789 924 122 956 459 031 912 840 332 752 343 655 682 738 919 201 738 771 \
 611 349 642 492 326 711 964 729 344 000  $\alpha^{41}$  +

189 302 435 359 681 579 259 109 033 611 343 544 759 120 094 390 148 739 739 150 270 726 168 \
 350 546 171 316 800 289 455 787 212 800  $\alpha^{42}$  +

18 965 010 374 522 337 530 779 619 640 871 355 499 185 433 980 488 935 341 568 912 152 821 291 \
 497 115 262 641 655 740 838 707 200  $\alpha^{43}$  +

1 751 911 808 571 466 517 304 909 435 044 791 489 786 162 319 523 031 642 597 300 447 899 516 \
 707 155 739 045 377 093 926 912 000  $\alpha^{44}$  +

148 849 859 744 915 104 329 706 866 760 827 881 112 173 083 278 185 540 543 685 340 212 467 \
 739 379 811 691 259 954 515 148 800  $\alpha^{45}$  +

11 598 518 522 270 389 329 457 977 564 858 873 007 995 245 213 763 862 021 481 171 324 892 983 \
 224 272 065 761 338 458 112 000  $\alpha^{46}$  +

826 058 124 703 244 571 498 892 306 467 717 052 456 821 316 246 187 211 752 704 226 144 483 \
 951 418 151 753 722 573 619 200  $\alpha^{47}$  +

53 562 934 276 079 520 609 617 807 568 458 646 969 323 818 772 883 244 736 695 077 228 400 352 \

$$\begin{aligned}
& 768\,360\,050\,279\,317\,504\,000\,\alpha^{48} + \\
& 3\,147\,453\,782\,597\,645\,728\,008\,705\,398\,167\,676\,924\,369\,707\,530\,662\,711\,255\,059\,398\,925\,289\,675 \setminus \\
& 289\,182\,807\,223\,435\,264\,000\,\alpha^{49} + \\
& 166\,696\,558\,700\,707\,682\,871\,739\,543\,641\,941\,192\,494\,356\,997\,544\,664\,027\,001\,846\,301\,656\,520 \setminus \\
& 260\,727\,952\,817\,048\,780\,800\,\alpha^{50} + \\
& 7\,905\,695\,256\,129\,332\,296\,479\,001\,718\,114\,205\,308\,082\,744\,405\,287\,911\,645\,515\,959\,443\,914\,890 \setminus \\
& 947\,072\,826\,435\,174\,400\,\alpha^{51} + \\
& 333\,110\,439\,407\,341\,297\,304\,893\,875\,811\,649\,781\,658\,075\,614\,130\,368\,621\,500\,379\,766\,692\,881 \setminus \\
& 476\,725\,035\,866\,521\,600\,\alpha^{52} + \\
& 12\,350\,707\,280\,903\,726\,827\,492\,730\,818\,325\,632\,536\,837\,106\,304\,543\,034\,144\,315\,208\,716\,683\,440 \setminus \\
& 138\,049\,971\,814\,400\,\alpha^{53} + \\
& 398\,138\,743\,224\,867\,335\,457\,760\,745\,325\,243\,685\,476\,921\,789\,792\,825\,004\,351\,397\,038\,803\,484 \setminus \\
& 680\,338\,276\,352\,000\,\alpha^{54} + \\
& 10\,988\,763\,744\,693\,884\,630\,762\,047\,538\,439\,883\,782\,453\,448\,428\,447\,370\,256\,471\,407\,550\,888\,784 \setminus \\
& 244\,506\,624\,000\,\alpha^{55} + \\
& 254\,475\,644\,481\,958\,690\,088\,002\,704\,549\,100\,151\,389\,491\,112\,444\,552\,363\,638\,000\,144\,302\,712 \setminus \\
& 506\,076\,364\,800\,\alpha^{56} + \\
& 4\,808\,973\,488\,798\,707\,512\,895\,786\,287\,192\,703\,270\,226\,559\,615\,407\,165\,314\,420\,920\,885\,469\,297 \setminus \\
& 351\,065\,600\,\alpha^{57} + \\
& 71\,218\,573\,054\,633\,067\,385\,071\,445\,648\,336\,536\,520\,448\,592\,509\,111\,406\,621\,753\,461\,182\,921\,336 \setminus \\
& 422\,400\,\alpha^{58} + \\
& 775\,156\,919\,318\,508\,600\,808\,084\,077\,358\,868\,662\,377\,603\,290\,111\,815\,251\,845\,400\,217\,390\,153 \setminus \\
& 728\,000\,\alpha^{59} + \\
& 5\,513\,576\,780\,701\,677\,611\,230\,293\,880\,339\,153\,306\,862\,063\,568\,366\,051\,037\,297\,975\,127\,703\,552 \setminus \\
& 000\,\alpha^{60} + \\
& 19\,227\,625\,988\,291\,026\,547\,519\,154\,241\,392\,399\,421\,104\,681\,700\,178\,442\,447\,155\,877\,642\,240\,000 \\
& \alpha^{61}) \operatorname{Seq}[\alpha] + \\
& (-444\,007\,451\,557\,367\,119\,061\,707\,979\,140\,918\,900\,504\,851\,315\,875\,299\,657\,428\,430\,932\,774\,013\,089 \setminus \\
& 303\,326\,041\,621\,865\,703\,222\,143\,877\,120\,000\,000 - \\
& 7\,461\,141\,707\,722\,910\,586\,599\,463\,313\,752\,900\,316\,971\,516\,750\,230\,840\,006\,366\,731\,238\,993\,941 \setminus \\
& 141\,212\,221\,539\,025\,980\,178\,802\,835\,193\,856\,000\,000\,\alpha - \\
& 61\,233\,841\,393\,302\,593\,049\,647\,851\,301\,289\,005\,147\,093\,544\,891\,999\,645\,317\,351\,298\,311\,651\,265 \setminus \\
& 521\,211\,544\,589\,437\,153\,164\,646\,603\,869\,388\,800\,000\,\alpha^2 - \\
& 327\,203\,399\,565\,234\,170\,326\,321\,212\,117\,168\,432\,632\,719\,073\,414\,859\,072\,502\,345\,182\,776\,063 \setminus \\
& 949\,260\,416\,460\,629\,389\,423\,094\,359\,596\,854\,149\,120\,000\,\alpha^3 - \\
& 1\,280\,448\,286\,286\,528\,079\,879\,083\,331\,709\,051\,028\,528\,130\,110\,612\,608\,333\,697\,501\,873\,955\,804 \setminus \\
& 422\,271\,899\,454\,088\,436\,239\,687\,559\,805\,373\,775\,872\,000\,\alpha^4 - \\
& 3\,913\,570\,797\,387\,097\,914\,760\,114\,975\,476\,013\,656\,244\,344\,838\,870\,035\,286\,380\,695\,793\,517\,399 \setminus \\
& 780\,921\,294\,587\,664\,157\,120\,126\,920\,127\,340\,871\,680\,000\,\alpha^5 - \\
& 9\,729\,599\,787\,278\,886\,345\,772\,016\,495\,020\,288\,455\,030\,770\,777\,498\,536\,309\,534\,366\,582\,726\,291 \setminus \\
& 570\,054\,614\,797\,046\,538\,160\,374\,151\,333\,357\,457\,244\,160\,\alpha^6 - \\
& 20\,233\,509\,854\,880\,973\,820\,862\,588\,152\,065\,566\,143\,053\,219\,638\,266\,746\,622\,269\,834\,941\,177\,869 \setminus \\
& 488\,550\,121\,949\,365\,004\,424\,269\,499\,610\,910\,376\,853\,504\,\alpha^7 - \\
& 35\,921\,984\,551\,840\,653\,383\,579\,519\,443\,255\,422\,494\,976\,879\,076\,594\,897\,242\,339\,712\,315\,961\,311 \setminus \\
& 106\,098\,350\,202\,842\,672\,543\,573\,385\,969\,756\,928\,999\,424\,\alpha^8 - \\
& 55\,296\,684\,875\,878\,438\,043\,030\,045\,147\,012\,551\,956\,755\,003\,397\,045\,265\,937\,957\,601\,152\,622\,702 \setminus \\
& 090\,419\,747\,325\,108\,655\,298\,201\,251\,478\,282\,434\,510\,848\,\alpha^9 - \\
& 74\,709\,105\,637\,929\,130\,335\,399\,101\,135\,519\,661\,565\,232\,138\,927\,330\,444\,483\,950\,765\,142\,059\,030 \setminus \\
& 521\,769\,952\,174\,106\,434\,835\,184\,249\,011\,277\,597\,245\,440\,\alpha^{10} - \\
& 89\,460\,770\,061\,047\,492\,536\,362\,883\,755\,968\,212\,223\,101\,105\,015\,760\,151\,023\,454\,475\,513\,831\,812 \setminus \\
& 750\,287\,707\,444\,394\,833\,681\,518\,512\,708\,126\,660\,100\,096\,\alpha^{11} - \\
& 95\,710\,050\,159\,147\,428\,683\,075\,730\,317\,349\,074\,502\,929\,144\,601\,756\,503\,102\,299\,485\,442\,114\,052 \setminus \\
& 603\,386\,501\,888\,931\,256\,412\,529\,313\,260\,140\,299\,812\,864\,\alpha^{12} - \\
& 92\,096\,736\,352\,309\,222\,221\,556\,829\,477\,777\,794\,783\,279\,912\,799\,567\,213\,159\,563\,439\,637\,601\,973 \setminus \\
& 128\,557\,371\,841\,394\,179\,858\,650\,971\,083\,094\,597\,042\,176\,\alpha^{13} -
\end{aligned}$$

80 155 202 117 165 164 076 977 863 453 268 885 638 792 766 259 479 803 135 785 715 041 278 485 \   
 454 897 238 416 687 851 035 400 142 344 803 510 648 832  $\alpha^{14}$  -   
 63 400 779 353 918 008 499 909 269 194 439 612 691 213 152 678 343 362 084 694 752 567 579 719 \   
 648 211 005 987 825 848 479 566 828 234 194 659 835 904  $\alpha^{15}$  -   
 45 762 703 750 512 835 145 792 199 032 917 653 120 315 128 578 467 458 050 027 835 864 015 129 \   
 947 391 460 290 786 787 835 679 819 260 747 327 733 760  $\alpha^{16}$  -   
 30 249 458 424 917 643 549 767 995 040 072 898 320 154 276 999 545 111 010 648 619 308 609 987 \   
 118 932 664 595 962 563 306 874 085 350 718 715 199 488  $\alpha^{17}$  -   
 18 367 185 217 732 262 318 748 112 670 253 198 406 579 918 372 207 599 585 821 139 857 745 330 \   
 148 252 807 095 371 075 595 816 664 696 972 218 728 448  $\alpha^{18}$  -   
 10 271 725 572 584 898 571 509 131 398 230 935 249 518 163 799 115 368 468 732 361 468 582 196 \   
 414 894 626 801 718 475 483 820 775 550 654 735 187 968  $\alpha^{19}$  -   
 5 303 073 275 807 861 828 784 298 316 397 105 205 370 468 057 323 106 753 610 922 694 626 604 \   
 883 277 106 659 345 396 439 723 048 808 064 323 944 448  $\alpha^{20}$  -   
 2 532 638 453 231 973 626 980 414 089 679 791 973 653 862 983 384 937 403 353 947 628 500 840 \   
 885 538 391 946 648 575 849 023 729 931 368 173 404 160  $\alpha^{21}$  -   
 1 120 840 839 658 603 255 537 962 342 237 177 889 451 609 701 827 782 635 802 871 786 789 780 \   
 414 961 487 639 571 520 016 191 826 040 288 033 374 208  $\alpha^{22}$  -   
 460 364 894 031 210 179 614 209 837 917 031 473 112 157 916 295 189 397 511 027 118 256 675 \   
 398 829 438 097 693 557 685 000 097 488 154 333 806 592  $\alpha^{23}$  -   
 175 719 089 281 207 667 890 239 063 420 907 330 642 137 532 842 306 005 054 153 097 397 602 \   
 379 467 165 827 976 436 072 656 901 076 386 263 859 200  $\alpha^{24}$  -   
 62 399 642 007 874 151 998 140 951 299 870 911 657 525 737 689 247 665 092 169 862 428 118 780 \   
 770 389 342 647 997 789 476 804 387 828 072 972 288  $\alpha^{25}$  -   
 20 634 937 293 664 944 446 994 771 035 065 695 460 575 565 785 542 405 007 957 406 729 719 577 \   
 047 254 953 215 755 412 970 890 258 590 057 103 360  $\alpha^{26}$  -   
 6 359 493 087 965 348 962 786 705 138 336 993 292 522 391 174 200 669 111 125 362 677 259 113 \   
 438 411 955 549 197 365 717 872 009 961 399 123 968  $\alpha^{27}$  -   
 1 827 736 595 687 070 661 232 430 483 092 718 042 660 722 783 026 653 306 733 352 671 345 324 \   
 344 477 253 868 301 370 002 604 901 891 536 060 416  $\alpha^{28}$  -   
 490 101 715 174 743 550 113 092 608 677 801 566 062 822 995 835 645 533 913 642 732 555 499 \   
 748 693 777 673 043 768 727 006 634 305 254 326 272  $\alpha^{29}$  -   
 122 655 965 195 598 836 713 327 765 382 539 701 592 883 012 499 861 711 676 001 427 170 627 \   
 934 775 471 203 218 464 544 276 913 996 177 604 608  $\alpha^{30}$  -   
 28 655 591 836 622 898 956 054 156 904 844 647 720 507 244 709 052 513 113 004 596 699 725 552 \   
 127 682 372 279 404 718 317 694 389 109 915 648  $\alpha^{31}$  -   
 6 249 965 215 213 670 301 074 330 968 496 256 033 402 256 820 103 083 784 198 326 846 962 291 \   
 497 181 575 987 437 972 892 980 365 787 922 432  $\alpha^{32}$  -   
 1 272 516 505 242 579 719 656 476 110 236 037 272 667 943 494 049 102 471 139 770 070 436 631 \   
 711 777 992 067 896 521 970 660 335 826 239 488  $\alpha^{33}$  -   
 241 811 565 192 586 141 205 928 228 856 571 146 727 187 029 083 658 265 609 220 073 557 673 \   
 226 595 198 815 749 688 320 813 080 560 795 648  $\alpha^{34}$  -   
 42 871 371 648 190 691 927 835 079 645 967 642 811 449 589 783 532 447 476 233 162 476 626 569 \   
 392 547 869 095 868 161 015 350 040 723 456  $\alpha^{35}$  -   
 7 087 932 002 106 463 812 811 767 794 028 394 665 565 629 454 006 377 572 959 056 134 261 847 \   
 138 415 512 239 700 575 698 090 048 094 208  $\alpha^{36}$  -   
 1 092 073 607 844 640 505 983 880 047 643 762 288 600 240 444 103 954 093 674 151 741 072 016 \   
 186 579 785 931 523 109 480 719 940 845 568  $\alpha^{37}$  -   
 156 679 378 139 111 848 900 888 437 223 707 576 858 145 331 664 471 494 820 128 821 027 027 \   
 850 705 958 242 233 721 749 593 019 908 096  $\alpha^{38}$  -   
 20 910 786 903 727 139 608 646 725 694 087 093 664 055 012 768 772 098 562 290 976 862 094 553 \   
 137 744 920 302 764 909 572 749 524 992  $\alpha^{39}$  -   
 2 593 078 327 150 553 385 947 461 346 509 727 010 742 920 276 472 533 167 706 267 846 040 032 \   
 182 605 005 359 142 689 226 664 968 192  $\alpha^{40}$  -   
 298 362 720 660 087 907 281 676 316 756 415 322 991 777 900 567 668 642 051 231 152 869 467 \

$$\begin{aligned}
& 703\,725\,630\,727\,764\,424\,871\,987\,118\,080\,\alpha^{41} - \\
& 31\,801\,876\,577\,498\,134\,794\,669\,753\,732\,607\,822\,930\,563\,106\,422\,545\,433\,118\,451\,400\,448\,035\,046\,\backslash \\
& 231\,479\,010\,679\,556\,851\,758\,006\,272\,\alpha^{42} - \\
& 3\,134\,165\,295\,866\,010\,884\,865\,356\,246\,162\,917\,684\,057\,265\,810\,572\,387\,185\,754\,241\,580\,003\,209\,\backslash \\
& 016\,255\,775\,376\,360\,619\,468\,914\,688\,\alpha^{43} - \\
& 284\,973\,333\,241\,815\,966\,123\,026\,753\,781\,515\,960\,553\,923\,611\,666\,294\,480\,177\,724\,713\,805\,533\,\backslash \\
& 994\,176\,030\,498\,163\,678\,521\,589\,760\,\alpha^{44} - \\
& 23\,845\,314\,195\,383\,835\,710\,104\,240\,837\,821\,495\,502\,564\,087\,878\,479\,013\,714\,434\,694\,231\,931\,298\,\backslash \\
& 491\,885\,591\,333\,517\,333\,102\,592\,\alpha^{45} - \\
& 1\,830\,831\,789\,251\,181\,158\,718\,129\,890\,015\,649\,957\,210\,095\,422\,785\,346\,295\,061\,005\,098\,744\,670\,\backslash \\
& 845\,282\,636\,390\,585\,576\,980\,480\,\alpha^{46} - \\
& 128\,548\,288\,166\,627\,515\,157\,150\,691\,070\,786\,422\,832\,223\,653\,236\,770\,879\,391\,634\,300\,040\,228\,\backslash \\
& 700\,211\,506\,993\,065\,002\,795\,008\,\alpha^{47} - \\
& 8\,221\,264\,663\,116\,852\,600\,225\,762\,452\,433\,842\,083\,051\,143\,792\,288\,114\,540\,120\,498\,486\,155\,656\,\backslash \\
& 285\,700\,800\,479\,661\,916\,160\,\alpha^{48} - \\
& 476\,707\,398\,910\,867\,475\,359\,113\,036\,485\,879\,249\,849\,170\,890\,065\,452\,095\,187\,926\,345\,226\,206\,\backslash \\
& 025\,685\,282\,498\,543\,616\,000\,\alpha^{49} - \\
& 24\,924\,615\,694\,720\,381\,278\,954\,853\,507\,298\,921\,485\,033\,440\,977\,555\,590\,079\,092\,870\,172\,423\,011\,\backslash \\
& 048\,883\,236\,185\,833\,472\,\alpha^{50} - \\
& 1\,167\,438\,665\,375\,207\,823\,471\,497\,511\,285\,160\,627\,611\,290\,747\,157\,220\,763\,357\,623\,655\,059\,077\,\backslash \\
& 615\,355\,338\,619\,355\,136\,\alpha^{51} - \\
& 48\,601\,483\,257\,614\,292\,586\,948\,875\,891\,741\,412\,359\,519\,803\,032\,491\,994\,463\,021\,170\,765\,060\,493\,\backslash \\
& 165\,740\,576\,210\,944\,\alpha^{52} - \\
& 1\,781\,099\,358\,033\,943\,477\,118\,773\,621\,752\,231\,255\,421\,917\,776\,768\,005\,992\,472\,255\,864\,548\,608\,\backslash \\
& 530\,986\,194\,436\,096\,\alpha^{53} - \\
& 56\,771\,005\,977\,928\,920\,250\,625\,966\,050\,695\,198\,734\,618\,623\,781\,120\,603\,440\,191\,263\,541\,864\,428\,\backslash \\
& 692\,737\,884\,160\,\alpha^{54} - \\
& 1\,549\,854\,738\,630\,230\,517\,176\,353\,614\,629\,755\,577\,999\,609\,354\,223\,136\,944\,403\,028\,541\,426\,048\,\backslash \\
& 931\,536\,568\,320\,\alpha^{55} - \\
& 35\,512\,912\,854\,192\,550\,139\,392\,214\,780\,998\,647\,980\,523\,358\,848\,852\,516\,277\,450\,159\,437\,447\,409\,\backslash \\
& 289\,920\,512\,\alpha^{56} - \\
& 664\,251\,143\,616\,954\,638\,552\,154\,006\,883\,226\,995\,361\,223\,775\,541\,421\,265\,425\,703\,743\,775\,929\,\backslash \\
& 054\,265\,344\,\alpha^{57} - \\
& 9\,739\,784\,065\,116\,151\,324\,288\,440\,789\,506\,137\,624\,514\,411\,172\,094\,631\,483\,629\,872\,725\,932\,759\,\backslash \\
& 842\,816\,\alpha^{58} - \\
& 104\,991\,155\,337\,315\,957\,539\,874\,105\,694\,740\,036\,909\,407\,349\,799\,765\,209\,227\,043\,528\,455\,718\,\backslash \\
& 174\,720\,\alpha^{59} - \\
& 739\,825\,527\,697\,819\,673\,248\,684\,220\,037\,706\,411\,539\,082\,308\,619\,790\,142\,701\,815\,086\,113\,095\,680\,\backslash \\
& \alpha^{60} - \\
& 2\,556\,673\,393\,130\,572\,436\,240\,437\,540\,535\,145\,610\,525\,013\,144\,820\,602\,269\,145\,258\,105\,241\,600\,\backslash \\
& \alpha^{61}) \text{ Seq}[1 + \alpha] + \\
& (44\,103\,005\,721\,532\,581\,383\,898\,657\,727\,884\,122\,011\,472\,655\,872\,761\,934\,381\,770\,939\,087\,807\,894\,\backslash \\
& 991\,129\,156\,647\,528\,797\,312\,198\,377\,472\,000\,000 + \\
& 718\,095\,127\,295\,627\,428\,379\,999\,394\,035\,515\,573\,503\,067\,486\,701\,564\,858\,778\,696\,918\,240\,853\,\backslash \\
& 639\,675\,092\,551\,463\,253\,153\,563\,636\,295\,270\,400\,000\,\alpha + \\
& 5\,707\,256\,567\,219\,835\,113\,210\,358\,172\,040\,088\,598\,968\,857\,540\,616\,640\,212\,702\,572\,910\,100\,416\,\backslash \\
& 798\,462\,939\,023\,127\,132\,162\,820\,940\,224\,266\,240\,000\,\alpha^2 + \\
& 29\,522\,274\,141\,312\,185\,435\,424\,930\,592\,309\,321\,035\,885\,762\,524\,083\,343\,294\,034\,665\,980\,913\,508\,\backslash \\
& 474\,378\,245\,775\,877\,615\,103\,550\,812\,271\,411\,200\,000\,\alpha^3 + \\
& 111\,813\,071\,922\,796\,041\,730\,987\,212\,450\,887\,478\,814\,909\,776\,612\,609\,337\,727\,367\,273\,040\,979\,\backslash \\
& 255\,293\,215\,788\,736\,995\,141\,752\,933\,049\,629\,985\,996\,800\,\alpha^4 + \\
& 330\,720\,312\,818\,039\,491\,902\,981\,532\,110\,048\,086\,121\,346\,502\,164\,179\,235\,324\,464\,932\,438\,564\,\backslash \\
& 628\,766\,179\,752\,610\,372\,114\,077\,118\,194\,376\,465\,448\,960\,\alpha^5 + \\
& 795\,694\,900\,854\,710\,364\,103\,502\,633\,376\,454\,784\,547\,866\,086\,487\,445\,133\,534\,510\,078\,362\,427\,\backslash \\
& 602\,174\,039\,289\,612\,744\,595\,725\,339\,994\,867\,049\,168\,896\,\alpha^6 +
\end{aligned}$$



1 601 529 038 070 053 696 252 991 283 416 884 231 095 976 283 291 541 313 685 427 948 178 234 \
 242 531 233 998 234 584 861 410 330 390 141 572 481 024  $\alpha^7$  +

2 752 449 145 574 359 450 059 118 998 003 368 872 327 626 541 504 069 513 939 896 611 840 164 \
 407 836 302 867 274 726 029 208 110 256 329 341 272 064  $\alpha^8$  +

4 102 674 022 998 110 601 686 379 893 597 281 846 352 311 760 428 218 279 324 836 511 822 776 \
 068 801 077 674 904 660 308 908 428 390 838 281 699 328  $\alpha^9$  +

5 368 952 647 133 213 050 919 057 040 909 553 724 785 668 296 759 229 624 939 204 798 756 365 \
 122 862 030 113 958 231 967 735 209 112 207 034 941 440  $\alpha^{10}$  +

6 229 564 418 466 926 984 020 350 442 817 659 109 545 043 114 713 728 704 844 678 390 116 726 \
 688 644 971 197 189 577 590 872 526 029 501 153 411 072  $\alpha^{11}$  +

6 460 568 918 993 897 046 540 650 004 768 891 116 257 216 721 179 777 737 537 660 332 781 885 \
 571 901 068 654 369 599 415 754 362 166 955 955 191 808  $\alpha^{12}$  +

6 028 927 213 702 908 967 476 342 916 734 359 807 160 239 524 090 773 845 953 755 122 784 235 \
 727 352 882 536 166 935 202 176 493 579 801 118 900 224  $\alpha^{13}$  +

5 091 164 295 753 170 623 256 392 470 257 850 837 149 359 240 606 452 042 613 535 264 802 218 \
 423 639 331 795 278 974 546 560 643 807 771 266 908 160  $\alpha^{14}$  +

3 909 191 089 271 972 952 060 125 255 826 916 514 294 608 600 476 275 353 720 050 674 907 497 \
 517 465 676 033 921 987 879 930 394 796 593 000 742 912  $\alpha^{15}$  +

2 740 541 884 147 537 812 925 081 048 704 342 246 267 748 999 844 063 567 720 678 695 894 990 \
 946 203 881 662 187 962 562 151 630 524 338 436 833 280  $\alpha^{16}$  +

1 760 381 769 590 330 889 168 160 356 238 093 224 939 520 380 993 259 393 148 124 515 400 092 \
 792 340 916 555 427 935 724 118 365 676 146 188 615 680  $\alpha^{17}$  +

1 039 281 696 473 151 569 825 761 129 545 790 587 794 988 659 100 533 583 894 434 309 991 659 \
 114 334 829 376 976 716 266 170 899 870 444 182 044 672  $\alpha^{18}$  +

565 426 218 990 830 122 899 337 045 951 870 685 188 939 107 848 589 830 603 647 715 539 560 \
 800 815 705 319 265 567 750 315 937 665 609 162 031 104  $\alpha^{19}$  +

284 148 123 392 757 161 395 058 331 755 084 928 185 502 581 722 323 398 885 566 849 750 813 \
 141 594 265 685 645 062 047 049 614 338 070 237 151 232  $\alpha^{20}$  +

132 165 780 104 569 077 404 462 926 792 047 888 629 563 001 289 698 777 440 769 538 234 095 \
 712 590 958 539 580 979 009 107 019 608 583 575 699 456  $\alpha^{21}$  +

56 998 420 284 813 053 060 560 739 144 534 352 496 604 176 528 382 789 816 735 361 910 854 204 \
 111 623 914 797 959 726 221 477 146 918 886 834 176  $\alpha^{22}$  +

22 826 432 758 156 274 659 395 932 243 824 400 105 478 443 849 080 693 314 949 835 708 524 516 \
 233 223 216 909 155 887 780 210 582 553 008 013 312  $\alpha^{23}$  +

8 499 914 400 475 782 236 340 069 490 565 019 065 333 670 037 827 392 464 517 552 526 836 316 \
 697 023 755 957 927 177 232 371 944 886 598 893 568  $\alpha^{24}$  +

2 946 310 434 573 878 770 895 281 790 490 292 103 639 964 689 323 163 061 228 416 879 366 091 \
 377 600 343 936 967 417 122 264 347 246 025 768 960  $\alpha^{25}$  +

951 566 467 811 003 307 100 389 069 951 376 729 550 636 930 579 993 906 793 957 339 757 765 \
 644 536 091 346 652 340 166 144 943 366 967 656 448  $\alpha^{26}$  +

286 572 235 363 141 642 094 464 315 945 916 128 281 025 963 630 992 953 194 776 036 658 169 \
 238 672 180 775 607 166 246 368 959 709 734 502 400  $\alpha^{27}$  +

80 525 575 043 780 756 838 152 938 660 894 541 198 322 629 266 729 711 751 087 934 083 153 552 \
 557 104 817 510 474 589 613 425 880 188 583 936  $\alpha^{28}$  +

21 122 467 028 662 556 612 673 020 089 106 799 286 253 860 364 192 384 343 329 399 258 483 407 \
 853 339 418 963 022 677 865 129 940 965 392 384  $\alpha^{29}$  +

5 173 818 483 702 441 482 002 985 354 128 394 551 306 359 678 818 947 937 208 664 811 342 047 \
 215 857 443 775 679 027 671 683 878 428 344 320  $\alpha^{30}$  +

1 183 635 556 454 686 498 567 903 539 632 534 802 289 580 961 353 447 953 677 447 846 559 496 \
 326 622 398 390 896 711 337 954 034 810 093 568  $\alpha^{31}$  +

252 924 130 719 316 700 446 320 873 195 962 986 681 118 922 244 259 800 735 673 023 864 848 \
 769 238 776 220 990 662 758 603 181 799 768 064  $\alpha^{32}$  +

50 477 037 428 134 883 146 395 653 119 886 702 233 009 167 977 110 073 524 271 174 636 007 189 \
 372 766 465 321 732 821 406 768 397 549 568  $\alpha^{33}$  +

9 406 643 030 641 988 208 004 955 933 871 469 373 821 134 307 317 177 702 121 027 868 677 853 \

$093\,610\,743\,046\,420\,864\,215\,216\,151\,330\,816\,\alpha^{34} +$   
 $1\,636\,278\,102\,090\,976\,717\,708\,234\,045\,543\,008\,557\,428\,545\,668\,983\,421\,152\,542\,296\,480\,866\,024\,\backslash$   
 $805\,935\,127\,565\,226\,671\,274\,596\,709\,171\,200\,\alpha^{35} +$   
 $265\,547\,330\,028\,500\,334\,078\,028\,151\,976\,627\,081\,523\,167\,901\,551\,240\,311\,881\,924\,978\,471\,968\,\backslash$   
 $554\,918\,451\,693\,285\,785\,467\,063\,313\,104\,896\,\alpha^{36} +$   
 $40\,179\,356\,042\,132\,400\,758\,952\,439\,773\,353\,580\,018\,694\,340\,974\,730\,877\,279\,882\,544\,628\,908\,325\,\backslash$   
 $566\,403\,987\,407\,480\,918\,306\,788\,999\,168\,\alpha^{37} +$   
 $5\,663\,475\,775\,810\,981\,210\,061\,389\,775\,100\,810\,996\,654\,062\,860\,594\,464\,340\,684\,820\,228\,998\,210\,\backslash$   
 $918\,236\,136\,197\,535\,314\,575\,018\,164\,224\,\alpha^{38} +$   
 $742\,931\,364\,732\,712\,840\,831\,128\,593\,166\,436\,949\,665\,067\,365\,252\,078\,879\,033\,482\,259\,856\,499\,\backslash$   
 $455\,885\,720\,896\,711\,210\,005\,373\,648\,896\,\alpha^{39} +$   
 $90\,590\,679\,250\,011\,055\,481\,111\,081\,475\,149\,089\,707\,848\,637\,597\,195\,243\,767\,656\,834\,214\,536\,102\,\backslash$   
 $012\,006\,437\,644\,092\,082\,139\,168\,768\,\alpha^{40} +$   
 $10\,253\,685\,140\,983\,332\,827\,807\,036\,286\,679\,260\,010\,351\,398\,580\,379\,250\,664\,036\,425\,873\,062\,434\,\backslash$   
 $750\,185\,408\,142\,293\,137\,740\,529\,664\,\alpha^{41} +$   
 $1\,075\,546\,619\,396\,786\,027\,023\,556\,563\,149\,118\,785\,138\,770\,285\,522\,161\,992\,385\,269\,356\,245\,163\,\backslash$   
 $881\,318\,748\,747\,533\,020\,555\,116\,544\,\alpha^{42} +$   
 $104\,353\,881\,163\,079\,804\,993\,517\,716\,560\,613\,090\,678\,793\,323\,244\,516\,768\,969\,955\,514\,000\,038\,\backslash$   
 $965\,029\,740\,274\,604\,367\,285\,321\,728\,\alpha^{43} +$   
 $9\,344\,712\,795\,062\,169\,482\,814\,281\,131\,415\,623\,064\,252\,282\,328\,459\,979\,126\,027\,586\,074\,455\,675\,\backslash$   
 $615\,545\,922\,958\,735\,548\,874\,752\,\alpha^{44} +$   
 $770\,371\,758\,576\,686\,133\,088\,466\,822\,238\,934\,355\,896\,655\,686\,603\,946\,386\,420\,217\,452\,283\,261\,\backslash$   
 $588\,742\,316\,825\,241\,368\,657\,920\,\alpha^{45} +$   
 $58\,295\,852\,728\,943\,958\,742\,357\,925\,112\,862\,203\,153\,073\,899\,536\,570\,625\,665\,720\,139\,640\,271\,168\,\backslash$   
 $981\,786\,175\,566\,927\,364\,096\,\alpha^{46} +$   
 $4\,035\,521\,282\,780\,902\,418\,498\,223\,835\,802\,369\,536\,319\,967\,415\,862\,161\,136\,217\,338\,323\,565\,625\,\backslash$   
 $392\,751\,148\,701\,346\,430\,976\,\alpha^{47} +$   
 $254\,544\,828\,871\,350\,727\,050\,673\,953\,611\,530\,282\,242\,556\,142\,348\,058\,285\,244\,984\,156\,777\,398\,\backslash$   
 $174\,556\,166\,151\,701\,790\,720\,\alpha^{48} +$   
 $14\,561\,766\,439\,302\,587\,574\,805\,828\,603\,316\,667\,269\,910\,055\,939\,545\,147\,470\,861\,924\,289\,245\,742\,\backslash$   
 $503\,970\,970\,269\,646\,848\,\alpha^{49} +$   
 $751\,393\,609\,770\,879\,765\,049\,807\,748\,168\,574\,388\,253\,262\,943\,996\,963\,768\,315\,640\,440\,924\,761\,\backslash$   
 $956\,874\,898\,007\,654\,400\,\alpha^{50} +$   
 $34\,744\,535\,405\,325\,010\,211\,163\,784\,272\,874\,360\,455\,894\,723\,818\,775\,960\,059\,144\,976\,586\,465\,513\,\backslash$   
 $722\,173\,372\,497\,920\,\alpha^{51} +$   
 $1\,428\,394\,670\,535\,628\,281\,950\,178\,140\,099\,693\,662\,601\,557\,504\,579\,234\,129\,928\,614\,814\,425\,605\,\backslash$   
 $991\,976\,033\,845\,248\,\alpha^{52} +$   
 $51\,708\,548\,868\,671\,308\,901\,500\,177\,095\,058\,475\,808\,378\,133\,841\,073\,077\,014\,012\,870\,126\,619\,312\,\backslash$   
 $334\,871\,461\,888\,\alpha^{53} +$   
 $1\,628\,553\,475\,822\,327\,692\,601\,375\,027\,729\,770\,470\,259\,287\,632\,187\,931\,316\,347\,204\,759\,335\,788\,\backslash$   
 $862\,351\,867\,904\,\alpha^{54} +$   
 $43\,943\,025\,830\,478\,182\,014\,702\,980\,347\,073\,369\,871\,046\,100\,663\,051\,824\,550\,401\,926\,561\,453\,326\,\backslash$   
 $527\,889\,408\,\alpha^{55} +$   
 $995\,469\,019\,236\,154\,334\,579\,482\,157\,235\,038\,876\,354\,801\,477\,156\,631\,217\,041\,592\,387\,316\,018\,\backslash$   
 $728\,402\,944\,\alpha^{56} +$   
 $18\,413\,314\,382\,270\,398\,116\,998\,116\,230\,191\,952\,293\,143\,787\,298\,782\,450\,220\,875\,165\,878\,136\,762\,\backslash$   
 $007\,552\,\alpha^{57} +$   
 $267\,066\,704\,462\,102\,403\,815\,435\,767\,600\,977\,495\,480\,964\,253\,375\,425\,755\,179\,613\,365\,245\,946\,\backslash$   
 $363\,904\,\alpha^{58} +$   
 $2\,848\,415\,779\,755\,687\,178\,565\,113\,709\,656\,458\,927\,505\,377\,076\,109\,818\,092\,695\,438\,123\,052\,564\,\backslash$   
 $480\,\alpha^{59} +$   
 $19\,864\,001\,365\,732\,857\,008\,345\,383\,508\,592\,806\,778\,860\,870\,581\,751\,225\,417\,760\,147\,159\,121\,920\,\backslash$   
 $\alpha^{60} +$   
 $67\,952\,124\,864\,930\,491\,007\,551\,747\,342\,665\,002\,897\,980\,580\,575\,230\,851\,061\,794\,629\,222\,400\,\backslash$   
 $\alpha^{61}) \text{ Seq}[2 + \alpha] +$

$(-1\ 232\ 907\ 731\ 052\ 425\ 454\ 001\ 575\ 750\ 940\ 081\ 900\ 225\ 377\ 060\ 932\ 608\ 959\ 246\ 720\ 726\ 661\ 934\ \backslash$   
 $908\ 437\ 315\ 212\ 538\ 269\ 901\ 129\ 567\ 436\ 800\ 000\ -$   
 $19\ 803\ 289\ 137\ 939\ 402\ 862\ 676\ 024\ 797\ 010\ 887\ 957\ 382\ 501\ 288\ 585\ 078\ 465\ 721\ 885\ 664\ 569\ 683\ \backslash$   
 $451\ 489\ 270\ 509\ 345\ 548\ 499\ 819\ 692\ 032\ 000\ 000\ \alpha -$   
 $155\ 077\ 617\ 018\ 984\ 277\ 511\ 950\ 355\ 411\ 774\ 657\ 933\ 947\ 001\ 835\ 821\ 104\ 889\ 864\ 437\ 909\ 568\ \backslash$   
 $912\ 008\ 939\ 484\ 279\ 538\ 087\ 263\ 248\ 679\ 174\ 144\ 000\ \alpha^2 -$   
 $789\ 582\ 597\ 417\ 524\ 457\ 181\ 778\ 662\ 529\ 957\ 949\ 787\ 855\ 305\ 419\ 311\ 786\ 641\ 070\ 364\ 665\ 801\ \backslash$   
 $771\ 535\ 232\ 582\ 171\ 734\ 528\ 227\ 514\ 641\ 704\ 550\ 400\ \alpha^3 -$   
 $2\ 941\ 020\ 528\ 627\ 363\ 328\ 987\ 848\ 829\ 106\ 226\ 718\ 397\ 916\ 848\ 290\ 186\ 155\ 050\ 721\ 943\ 959\ 885\ \backslash$   
 $236\ 616\ 974\ 109\ 550\ 122\ 273\ 051\ 494\ 820\ 305\ 960\ 960\ \alpha^4 -$   
 $8\ 549\ 023\ 133\ 216\ 721\ 076\ 040\ 899\ 312\ 876\ 529\ 797\ 466\ 260\ 252\ 296\ 150\ 031\ 227\ 474\ 482\ 974\ 144\ \backslash$   
 $928\ 062\ 535\ 708\ 851\ 516\ 421\ 596\ 286\ 455\ 879\ 041\ 024\ \alpha^5 -$   
 $20\ 202\ 098\ 015\ 473\ 756\ 977\ 598\ 601\ 511\ 988\ 654\ 336\ 708\ 398\ 342\ 942\ 467\ 514\ 134\ 915\ 072\ 290\ 088\ \backslash$   
 $452\ 970\ 745\ 219\ 885\ 865\ 847\ 756\ 528\ 692\ 796\ 325\ 888\ \alpha^6 -$   
 $39\ 917\ 881\ 127\ 707\ 217\ 761\ 645\ 796\ 716\ 824\ 692\ 778\ 645\ 135\ 357\ 586\ 999\ 409\ 096\ 156\ 501\ 477\ 154\ \backslash$   
 $087\ 332\ 041\ 146\ 001\ 203\ 087\ 620\ 183\ 279\ 045\ 443\ 584\ \alpha^7 -$   
 $67\ 322\ 702\ 077\ 394\ 454\ 271\ 511\ 634\ 696\ 840\ 016\ 898\ 293\ 820\ 812\ 966\ 231\ 400\ 278\ 483\ 165\ 979\ 528\ \backslash$   
 $306\ 349\ 508\ 505\ 309\ 487\ 753\ 755\ 185\ 109\ 266\ 333\ 696\ \alpha^8 -$   
 $98\ 441\ 661\ 550\ 533\ 180\ 188\ 834\ 578\ 381\ 107\ 251\ 441\ 700\ 384\ 506\ 162\ 622\ 146\ 654\ 940\ 942\ 953\ 932\ \backslash$   
 $719\ 954\ 197\ 845\ 537\ 391\ 249\ 461\ 899\ 617\ 690\ 976\ 256\ \alpha^9 -$   
 $126\ 345\ 684\ 267\ 172\ 283\ 993\ 300\ 634\ 333\ 107\ 519\ 378\ 118\ 175\ 054\ 573\ 118\ 880\ 208\ 601\ 612\ 521\ \backslash$   
 $088\ 557\ 623\ 016\ 386\ 805\ 382\ 490\ 698\ 277\ 372\ 068\ 626\ 432\ \alpha^{10} -$   
 $143\ 748\ 133\ 612\ 805\ 676\ 169\ 605\ 214\ 712\ 401\ 576\ 490\ 597\ 329\ 815\ 874\ 898\ 333\ 951\ 787\ 272\ 329\ \backslash$   
 $089\ 927\ 368\ 630\ 079\ 034\ 654\ 112\ 532\ 182\ 821\ 238\ 734\ 848\ \alpha^{11} -$   
 $146\ 159\ 247\ 293\ 911\ 005\ 307\ 164\ 747\ 082\ 936\ 108\ 293\ 641\ 218\ 336\ 923\ 126\ 386\ 660\ 482\ 629\ 632\ \backslash$   
 $295\ 754\ 861\ 746\ 001\ 321\ 031\ 561\ 338\ 872\ 570\ 914\ 537\ 472\ \alpha^{12} -$   
 $133\ 709\ 972\ 498\ 854\ 899\ 045\ 171\ 274\ 997\ 695\ 474\ 557\ 170\ 220\ 065\ 700\ 315\ 797\ 660\ 677\ 857\ 614\ \backslash$   
 $627\ 887\ 664\ 792\ 541\ 449\ 819\ 197\ 741\ 052\ 587\ 992\ 416\ 256\ \alpha^{13} -$   
 $110\ 683\ 780\ 161\ 682\ 188\ 871\ 833\ 788\ 257\ 280\ 533\ 016\ 099\ 963\ 570\ 106\ 356\ 980\ 556\ 640\ 335\ 544\ \backslash$   
 $315\ 322\ 995\ 667\ 209\ 639\ 101\ 080\ 181\ 166\ 586\ 384\ 613\ 376\ \alpha^{14} -$   
 $83\ 308\ 145\ 617\ 893\ 518\ 569\ 353\ 135\ 185\ 457\ 548\ 136\ 956\ 062\ 462\ 206\ 915\ 283\ 489\ 401\ 693\ 821\ 102\ \backslash$   
 $911\ 917\ 331\ 155\ 590\ 894\ 547\ 081\ 815\ 852\ 656\ 361\ 472\ \alpha^{15} -$   
 $57\ 249\ 970\ 228\ 481\ 319\ 410\ 171\ 953\ 643\ 031\ 562\ 472\ 302\ 931\ 806\ 646\ 345\ 991\ 111\ 477\ 732\ 535\ 510\ \backslash$   
 $451\ 569\ 540\ 690\ 180\ 768\ 303\ 101\ 672\ 583\ 663\ 190\ 016\ \alpha^{16} -$   
 $36\ 049\ 641\ 313\ 060\ 962\ 881\ 467\ 994\ 343\ 181\ 812\ 151\ 352\ 261\ 227\ 335\ 390\ 439\ 925\ 581\ 059\ 671\ 605\ \backslash$   
 $552\ 184\ 149\ 105\ 633\ 337\ 555\ 365\ 389\ 111\ 580\ 950\ 528\ \alpha^{17} -$   
 $20\ 864\ 632\ 707\ 507\ 358\ 057\ 664\ 592\ 766\ 877\ 685\ 536\ 535\ 778\ 364\ 316\ 848\ 234\ 679\ 235\ 053\ 679\ 472\ \backslash$   
 $957\ 949\ 528\ 627\ 476\ 052\ 733\ 372\ 387\ 743\ 636\ 652\ 032\ \alpha^{18} -$   
 $11\ 129\ 478\ 348\ 433\ 771\ 831\ 049\ 196\ 756\ 089\ 498\ 247\ 648\ 473\ 594\ 641\ 989\ 966\ 875\ 668\ 514\ 322\ 051\ \backslash$   
 $511\ 323\ 254\ 272\ 719\ 394\ 709\ 164\ 405\ 509\ 599\ 526\ 912\ \alpha^{19} -$   
 $5\ 484\ 182\ 670\ 661\ 953\ 158\ 093\ 480\ 448\ 413\ 010\ 293\ 025\ 189\ 781\ 062\ 634\ 611\ 955\ 360\ 504\ 597\ 265\ \backslash$   
 $836\ 434\ 421\ 885\ 580\ 193\ 633\ 434\ 570\ 710\ 667\ 231\ 232\ \alpha^{20} -$   
 $2\ 501\ 549\ 612\ 100\ 408\ 250\ 430\ 134\ 598\ 268\ 590\ 635\ 807\ 277\ 440\ 262\ 846\ 829\ 183\ 070\ 814\ 521\ 109\ \backslash$   
 $895\ 127\ 413\ 441\ 721\ 233\ 005\ 918\ 112\ 059\ 498\ 692\ 608\ \alpha^{21} -$   
 $1\ 058\ 126\ 565\ 020\ 663\ 888\ 792\ 475\ 205\ 390\ 273\ 185\ 201\ 195\ 721\ 365\ 940\ 992\ 263\ 524\ 057\ 983\ 449\ \backslash$   
 $009\ 627\ 479\ 615\ 190\ 569\ 069\ 525\ 409\ 844\ 827\ 258\ 880\ \alpha^{22} -$   
 $415\ 686\ 088\ 397\ 032\ 695\ 416\ 035\ 771\ 495\ 224\ 234\ 195\ 091\ 055\ 688\ 284\ 564\ 635\ 803\ 637\ 617\ 088\ \backslash$   
 $742\ 269\ 548\ 195\ 813\ 378\ 792\ 805\ 040\ 932\ 131\ 962\ 880\ \alpha^{23} -$   
 $151\ 868\ 636\ 541\ 511\ 399\ 575\ 016\ 106\ 249\ 713\ 789\ 261\ 748\ 195\ 954\ 396\ 645\ 704\ 052\ 430\ 743\ 451\ \backslash$   
 $116\ 852\ 817\ 060\ 242\ 710\ 306\ 243\ 454\ 610\ 482\ 135\ 040\ \alpha^{24} -$   
 $51\ 657\ 866\ 035\ 794\ 725\ 483\ 175\ 044\ 743\ 602\ 290\ 273\ 949\ 203\ 296\ 509\ 373\ 566\ 262\ 278\ 539\ 165\ 191\ \backslash$   
 $415\ 131\ 174\ 120\ 136\ 121\ 103\ 420\ 350\ 208\ 671\ 744\ \alpha^{25} -$   
 $16\ 375\ 105\ 283\ 593\ 364\ 436\ 239\ 558\ 353\ 430\ 650\ 465\ 294\ 769\ 470\ 043\ 746\ 807\ 655\ 307\ 709\ 283\ 664\ \backslash$   
 $589\ 260\ 031\ 769\ 714\ 793\ 478\ 691\ 249\ 977\ 294\ 848\ \alpha^{26} -$   
 $4\ 841\ 193\ 482\ 681\ 295\ 366\ 489\ 585\ 757\ 645\ 817\ 415\ 743\ 385\ 669\ 233\ 844\ 047\ 966\ 943\ 831\ 250\ 381\ \backslash$

193 491 345 544 109 263 089 060 981 776 580 608  $\alpha^{27}$  –  
 1 335 719 062 226 579 759 435 175 283 061 717 189 911 252 642 920 179 922 369 695 516 890 950 \;  
 499 991 805 379 117 364 853 738 139 828 617 216  $\alpha^{28}$  –  
 344 097 334 893 617 106 067 605 050 318 273 849 074 637 514 442 833 973 602 147 622 349 117 \;  
 848 797 476 792 356 327 507 652 390 695 206 912  $\alpha^{29}$  –  
 82 793 847 154 095 388 427 847 903 048 035 959 442 233 755 005 252 675 323 452 383 692 170 774 \;  
 282 215 550 976 667 483 298 122 201 825 280  $\alpha^{30}$  –  
 18 610 239 066 692 984 897 843 954 349 065 972 545 999 613 185 289 509 883 772 775 252 874 653 \;  
 246 644 546 722 554 189 222 263 379 722 240  $\alpha^{31}$  –  
 3 908 137 682 166 481 508 688 766 703 713 090 199 216 147 581 364 061 137 803 022 087 002 783 \;  
 376 003 229 453 218 756 469 861 579 227 136  $\alpha^{32}$  –  
 766 688 664 961 514 757 146 788 914 562 726 283 712 781 153 159 761 767 138 906 077 348 669 \;  
 481 199 273 730 234 298 880 550 206 701 568  $\alpha^{33}$  –  
 140 477 414 484 452 860 134 505 103 855 211 765 622 864 107 165 857 257 056 504 643 195 214 \;  
 387 197 065 936 942 753 169 970 112 233 472  $\alpha^{34}$  –  
 24 031 314 414 792 654 088 459 346 582 364 447 248 396 980 308 719 472 298 287 043 601 571 440 \;  
 236 986 690 740 249 549 548 994 691 072  $\alpha^{35}$  –  
 3 836 307 673 756 178 391 326 612 199 692 478 439 735 540 134 844 274 680 201 725 838 617 295 \;  
 127 596 208 951 447 848 113 886 199 808  $\alpha^{36}$  –  
 571 121 436 636 016 556 528 886 407 080 699 471 023 795 895 314 045 059 398 797 711 683 933 \;  
 927 843 475 427 883 867 492 623 319 040  $\alpha^{37}$  –  
 79 225 620 089 482 364 738 222 580 969 071 025 870 232 921 828 566 491 411 730 521 411 962 110 \;  
 760 207 810 923 111 536 450 863 104  $\alpha^{38}$  –  
 10 230 374 593 162 519 400 162 969 750 189 116 440 890 884 612 378 364 963 991 082 108 340 868 \;  
 159 798 237 157 127 716 840 931 328  $\alpha^{39}$  –  
 1 228 257 970 680 692 817 751 000 779 658 443 529 133 594 778 275 410 307 024 731 412 083 126 \;  
 780 361 744 334 064 751 443 181 568  $\alpha^{40}$  –  
 136 915 301 139 847 865 378 230 257 016 404 045 543 010 434 031 581 972 412 050 038 116 282 \;  
 556 380 432 512 002 075 689 746 432  $\alpha^{41}$  –  
 14 147 166 342 192 546 982 666 919 135 629 335 872 111 039 112 778 678 250 546 955 686 971 986 \;  
 138 916 526 618 908 714 598 400  $\alpha^{42}$  –  
 1 352 442 391 636 081 184 286 947 108 744 881 653 404 139 520 061 055 626 246 306 818 314 756 \;  
 745 559 128 455 497 216 163 840  $\alpha^{43}$  –  
 119 356 798 824 757 118 108 450 770 283 490 740 391 605 719 142 394 225 819 112 077 765 775 \;  
 895 690 795 022 878 748 180 480  $\alpha^{44}$  –  
 9 699 580 099 491 148 683 284 134 876 449 400 307 735 197 386 395 668 878 173 736 643 077 087 \;  
 379 120 725 527 963 369 472  $\alpha^{45}$  –  
 723 704 252 191 224 289 916 626 429 753 030 217 874 656 441 620 766 686 454 504 753 919 309 \;  
 277 823 590 047 179 341 824  $\alpha^{46}$  –  
 49 407 467 253 342 785 014 262 660 938 633 749 389 104 076 800 170 787 663 399 659 591 035 403 \;  
 802 033 888 111 362 048  $\alpha^{47}$  –  
 3 074 144 914 249 062 613 578 099 128 577 401 547 608 843 704 951 838 879 462 268 125 264 827 \;  
 385 741 478 312 542 208  $\alpha^{48}$  –  
 173 515 315 688 817 050 594 328 317 746 440 135 384 733 622 863 902 336 980 829 260 686 993 \;  
 997 789 868 633 096 192  $\alpha^{49}$  –  
 8 835 893 007 017 907 411 265 916 867 551 922 683 388 773 154 423 649 870 821 954 850 174 698 \;  
 268 127 351 799 808  $\alpha^{50}$  –  
 403 295 175 509 624 716 577 022 008 533 152 147 258 555 971 833 067 319 986 842 474 674 386 \;  
 968 058 938 785 792  $\alpha^{51}$  –  
 16 369 352 670 930 035 011 345 798 006 414 263 973 581 541 057 168 201 680 644 724 162 799 512 \;  
 736 059 359 232  $\alpha^{52}$  –  
 585 173 160 374 684 524 433 500 238 734 828 036 072 345 251 955 608 138 875 897 559 260 866 \;  
 298 014 334 976  $\alpha^{53}$  –  
 18 203 445 814 734 609 692 936 703 280 682 911 982 639 070 933 079 139 390 431 581 512 109 026 \;  
 665 562 112  $\alpha^{54}$  –

485 244 466 694 489 942 527 533 265 679 788 003 027 227 999 718 280 530 014 737 048 725 606 \;  
 625 181 696  $\alpha^{55}$  -  
 10 861 897 131 492 939 661 021 388 306 369 095 371 607 092 971 986 460 698 496 402 002 681 440 \;  
 239 616  $\alpha^{56}$  -  
 198 565 676 576 639 309 197 987 513 922 392 665 195 679 573 243 368 243 542 135 588 348 170 \;  
 862 592  $\alpha^{57}$  -  
 2 846 898 057 954 072 452 506 409 434 188 696 873 074 723 455 902 026 394 129 664 149 546 860 \;  
 544  $\alpha^{58}$  -  
 30 020 636 548 025 659 740 114 813 939 510 999 354 498 759 780 846 094 534 206 056 332 001 280  
 $\alpha^{59}$  -  
 207 028 762 251 432 380 488 339 084 590 200 061 266 163 429 258 261 756 976 531 054 264 320  
 $\alpha^{60}$  - 700 480 775 851 211 448 675 941 363 804 426 696 906 888 038 037 184 823 043 712 614 400  
 $\alpha^{61}$  ) Seq[3 +  $\alpha$ ] +  
 (13 727 373 851 926 691 812 256 891 012 696 481 969 429 173 118 470 290 865 060 920 518 025 140 \;  
 337 592 709 494 001 029 825 848 934 400 000 +  
 218 663 649 664 267 314 783 284 636 462 666 757 780 582 458 636 300 083 831 356 177 671 782 \;  
 727 295 012 557 593 723 111 372 908 134 400 000  $\alpha$  +  
 1 696 481 910 977 276 656 229 290 315 667 886 476 878 755 475 996 796 770 582 524 233 481 184 \;  
 458 791 439 089 648 697 224 873 956 605 952 000  $\alpha^2$  +  
 8 550 672 552 485 029 166 043 180 942 423 563 904 090 611 733 208 220 781 202 196 207 106 103 \;  
 975 353 722 410 982 246 422 664 126 346 035 200  $\alpha^3$  +  
 31 506 235 101 282 977 825 636 050 823 151 322 324 609 593 716 584 688 070 241 691 754 978 626 \;  
 003 408 378 327 938 582 623 518 335 571 066 880  $\alpha^4$  +  
 90 541 204 209 596 739 837 116 058 152 467 029 762 430 110 123 650 041 403 699 627 740 138 324 \;  
 491 008 695 081 395 370 798 962 410 124 214 272  $\alpha^5$  +  
 211 411 516 239 420 538 506 168 624 445 393 956 178 764 885 548 554 253 363 804 757 272 939 \;  
 799 085 929 022 885 079 035 582 617 437 162 438 656  $\alpha^6$  +  
 412 575 270 044 900 221 798 961 164 091 958 784 707 807 825 325 234 003 960 926 032 509 236 \;  
 292 744 847 010 855 122 520 103 856 839 971 569 664  $\alpha^7$  +  
 686 954 111 554 858 559 853 451 733 732 093 389 981 620 503 137 339 161 832 948 973 351 409 \;  
 784 843 150 148 325 575 968 418 476 566 981 902 336  $\alpha^8$  +  
 991 345 075 794 993 213 584 456 513 218 589 693 197 208 363 766 343 954 513 550 869 844 587 \;  
 426 679 267 016 835 901 793 638 399 709 807 902 720  $\alpha^9$  +  
 1 255 321 070 957 368 190 317 387 589 948 521 303 224 305 194 503 983 102 978 096 481 047 691 \;  
 252 795 019 483 811 982 381 732 821 794 696 986 624  $\alpha^{10}$  +  
 1 408 740 674 516 556 669 695 904 641 295 469 461 238 517 592 228 636 149 442 617 298 011 395 \;  
 603 487 608 880 524 101 736 768 861 350 996 738 048  $\alpha^{11}$  +  
 1 412 507 513 977 691 853 244 476 185 707 079 113 605 206 178 851 065 112 235 090 053 481 582 \;  
 433 140 407 626 351 360 299 823 300 908 683 362 304  $\alpha^{12}$  +  
 1 274 027 258 605 484 774 302 822 756 623 337 043 885 126 350 330 184 325 408 593 417 268 163 \;  
 421 641 294 110 224 363 331 861 694 304 547 766 272  $\alpha^{13}$  +  
 1 039 624 293 104 949 804 885 541 122 905 343 432 568 564 812 138 212 535 942 056 431 804 100 \;  
 571 246 301 378 988 104 850 145 755 182 591 377 408  $\alpha^{14}$  +  
 771 250 639 268 094 819 182 649 616 788 786 664 128 895 947 843 627 343 405 938 635 853 133 \;  
 951 425 558 525 813 961 381 459 079 757 079 511 040  $\alpha^{15}$  +  
 522 332 575 655 158 597 515 867 455 203 351 853 176 690 056 423 906 492 822 253 969 627 782 \;  
 480 267 849 146 381 959 753 136 501 648 191 389 696  $\alpha^{16}$  +  
 324 111 053 751 599 859 769 377 894 789 808 663 232 986 611 797 065 784 922 363 588 587 291 \;  
 262 030 057 036 033 504 664 025 595 043 194 863 616  $\alpha^{17}$  +  
 184 837 589 210 196 004 340 780 843 809 545 064 892 749 631 653 902 982 817 685 802 068 598 \;  
 252 961 498 795 071 588 390 920 160 989 805 019 136  $\alpha^{18}$  +  
 97 143 615 206 428 540 108 923 116 976 298 042 194 052 194 371 024 801 644 153 508 185 751 333 \;  
 364 243 444 504 290 135 853 704 631 781 687 296  $\alpha^{19}$  +  
 47 161 924 816 932 211 449 182 586 271 904 078 948 599 920 559 742 337 238 938 535 870 555 668 \;  
 682 958 651 597 654 226 219 588 559 262 711 808  $\alpha^{20}$  +

21 194 129 851 763 012 752 917 718 130 589 247 522 902 008 317 336 738 821 099 119 184 578 477 \\  
 348 453 118 917 194 682 169 511 343 224 258 560  $\alpha^{21}$  +  
 8 832 092 202 551 943 299 089 790 769 590 128 050 984 798 290 458 182 721 700 249 517 098 785 \\  
 868 234 399 283 008 213 888 092 638 051 041 280  $\alpha^{22}$  +  
 3 418 291 522 589 246 378 329 057 673 631 369 954 490 361 049 725 341 382 804 040 934 411 178 \\  
 177 628 133 573 942 335 062 389 290 757 521 408  $\alpha^{23}$  +  
 1 230 360 887 601 028 913 315 700 148 702 387 888 959 634 384 958 145 427 787 224 024 421 547 \\  
 927 766 049 241 384 804 124 656 736 306 987 008  $\alpha^{24}$  +  
 412 315 401 036 413 727 554 712 396 285 031 875 098 051 172 528 744 026 478 891 166 115 999 \\  
 595 368 349 331 749 810 892 148 387 962 945 536  $\alpha^{25}$  +  
 128 770 993 016 402 456 699 516 208 699 325 430 038 015 008 416 123 868 072 789 170 621 995 \\  
 048 862 206 699 531 032 238 514 729 216 114 688  $\alpha^{26}$  +  
 37 509 683 410 183 151 758 553 135 580 143 385 469 507 629 721 651 835 546 391 562 566 028 781 \\  
 888 557 783 767 174 847 996 201 707 503 616  $\alpha^{27}$  +  
 10 197 247 287 997 408 833 165 296 994 037 300 704 240 599 264 169 535 941 010 101 789 969 569 \\  
 937 305 616 307 215 273 744 570 991 509 504  $\alpha^{28}$  +  
 2 588 506 528 083 268 404 967 678 372 564 734 665 785 826 190 511 293 272 682 900 550 606 923 \\  
 170 167 903 238 279 915 369 048 970 362 880  $\alpha^{29}$  +  
 613 751 477 236 632 084 611 092 387 495 404 542 453 656 342 637 739 318 666 882 088 096 213 \\  
 028 988 746 181 976 155 399 884 497 747 968  $\alpha^{30}$  +  
 135 957 219 266 795 915 434 871 240 234 479 790 323 734 082 515 943 250 881 987 494 106 581 \\  
 079 533 900 684 211 591 737 371 843 887 104  $\alpha^{31}$  +  
 28 138 956 278 536 002 999 817 926 929 325 696 525 088 207 628 088 664 983 347 067 989 893 542 \\  
 891 397 818 463 242 418 555 270 987 776  $\alpha^{32}$  +  
 5 441 008 595 693 903 528 911 373 901 861 994 374 617 692 034 783 436 774 571 884 920 864 292 \\  
 205 591 892 278 868 860 584 138 375 168  $\alpha^{33}$  +  
 982 710 973 601 442 681 915 823 797 918 460 119 361 576 184 149 198 418 222 167 739 266 399 \\  
 272 520 317 916 811 331 833 891 389 440  $\alpha^{34}$  +  
 165 727 477 183 187 667 031 258 980 207 548 094 515 805 915 770 858 522 890 197 907 086 066 \\  
 111 719 480 271 310 758 854 447 333 376  $\alpha^{35}$  +  
 26 083 674 788 746 266 302 197 741 467 094 036 296 917 818 970 891 583 801 370 648 087 437 499 \\  
 084 900 167 047 436 113 509 613 568  $\alpha^{36}$  +  
 3 828 816 493 373 750 971 757 472 596 135 120 915 835 663 984 496 759 618 085 338 774 226 929 \\  
 218 986 396 618 783 034 074 726 400  $\alpha^{37}$  +  
 523 752 914 643 110 935 667 916 358 781 271 931 405 857 503 504 458 466 253 140 958 048 466 \\  
 116 468 034 632 686 089 789 243 392  $\alpha^{38}$  +  
 66 699 482 152 318 088 845 281 310 243 017 715 801 089 836 452 556 231 380 346 437 077 464 663 \\  
 884 188 534 917 168 338 305 024  $\alpha^{39}$  +  
 7 898 367 595 824 068 133 350 541 392 249 469 549 122 715 558 115 422 608 777 360 832 414 917 \\  
 091 213 951 946 235 326 758 912  $\alpha^{40}$  +  
 868 489 234 932 726 538 750 388 907 990 664 026 858 614 610 332 863 894 185 981 149 638 759 \\  
 985 417 192 200 658 265 047 040  $\alpha^{41}$  +  
 88 531 036 331 774 361 981 085 030 102 528 245 773 088 382 355 325 098 595 236 575 739 198 959 \\  
 551 535 466 473 806 888 960  $\alpha^{42}$  +  
 8 350 421 014 973 192 798 192 627 344 243 369 547 732 787 590 649 125 356 347 845 775 896 974 \\  
 560 530 919 615 136 530 432  $\alpha^{43}$  +  
 727 195 166 648 338 367 174 098 793 481 482 756 325 217 588 128 185 105 217 215 376 253 138 \\  
 529 122 466 381 715 996 672  $\alpha^{44}$  +  
 58 320 660 752 303 330 883 187 099 974 808 990 773 243 079 326 184 676 720 511 169 210 855 272 \\  
 636 134 730 007 314 432  $\alpha^{45}$  +  
 4 294 854 106 178 931 764 778 080 811 221 028 440 538 610 219 062 810 091 174 830 519 291 042 \\  
 946 365 031 370 981 376  $\alpha^{46}$  +  
 289 434 534 174 066 109 255 746 140 638 356 107 379 833 896 067 054 357 111 607 116 457 726 \\  
 461 774 878 023 352 320  $\alpha^{47}$  +  
 17 778 934 208 648 422 771 883 596 978 409 519 771 464 592 793 138 847 382 178 096 289 394 923 \

$$\begin{aligned}
& 647\,942\,084\,526\,080\,\alpha^{48} + \\
& 990\,823\,757\,289\,895\,461\,785\,178\,093\,837\,860\,225\,874\,599\,704\,684\,471\,333\,217\,392\,567\,662\,928\,\backslash \\
& 470\,304\,547\,143\,680\,\alpha^{49} + \\
& 49\,824\,182\,521\,189\,161\,328\,224\,633\,213\,806\,064\,182\,157\,747\,333\,147\,919\,937\,347\,226\,283\,273\,659\,\backslash \\
& 335\,739\,179\,008\,\alpha^{50} + \\
& 2\,245\,939\,783\,106\,548\,343\,406\,611\,042\,999\,061\,141\,826\,368\,502\,214\,279\,788\,937\,302\,211\,373\,569\,\backslash \\
& 229\,893\,664\,768\,\alpha^{51} + \\
& 90\,042\,256\,661\,562\,331\,396\,760\,281\,201\,602\,284\,971\,908\,519\,417\,646\,170\,259\,626\,630\,667\,020\,190\,\backslash \\
& 246\,502\,400\,\alpha^{52} + \\
& 3\,179\,754\,971\,956\,774\,941\,694\,934\,369\,218\,272\,081\,616\,244\,827\,143\,660\,761\,540\,405\,571\,880\,827\,\backslash \\
& 286\,978\,560\,\alpha^{53} + \\
& 97\,726\,418\,066\,540\,863\,694\,446\,824\,615\,965\,948\,598\,693\,897\,569\,319\,279\,102\,641\,660\,700\,322\,537\,\backslash \\
& 930\,752\,\alpha^{54} + \\
& 2\,574\,085\,028\,780\,686\,735\,632\,557\,152\,081\,142\,377\,545\,697\,628\,607\,366\,097\,642\,958\,792\,726\,270\,\backslash \\
& 705\,664\,\alpha^{55} + \\
& 56\,941\,216\,012\,965\,213\,461\,897\,895\,919\,025\,338\,456\,280\,408\,765\,875\,646\,850\,269\,734\,605\,680\,541\,\backslash \\
& 696\,\alpha^{56} + \\
& 1\,028\,818\,614\,267\,781\,715\,517\,202\,536\,623\,970\,016\,788\,358\,469\,420\,559\,435\,634\,011\,230\,032\,625\,\backslash \\
& 664\,\alpha^{57} + \\
& 14\,580\,583\,795\,989\,456\,101\,090\,149\,452\,217\,343\,384\,558\,142\,835\,194\,135\,656\,722\,814\,900\,109\,312\,\backslash \\
& \alpha^{58} + \\
& 152\,000\,831\,118\,106\,698\,954\,283\,247\,600\,190\,599\,999\,480\,912\,138\,275\,509\,601\,867\,703\,255\,040\,\backslash \\
& \alpha^{59} + 1\,036\,416\,738\,882\,484\,779\,301\,287\,632\,896\,739\,815\,979\,662\,441\,118\,914\,755\,513\,664\,143\,360\,\backslash \\
& \alpha^{60} + 3\,467\,624\,666\,637\,383\,248\,465\,458\,511\,444\,210\,247\,974\,671\,505\,234\,254\,978\,298\,675\,200\,\backslash \\
& \alpha^{61}) \text{ Seq}[4 + \alpha] + \\
& (-66\,084\,746\,155\,241\,748\,388\,262\,836\,845\,271\,679\,409\,826\,183\,688\,193\,519\,547\,860\,452\,788\,075\,126\,\backslash \\
& 388\,075\,017\,809\,863\,937\,884\,160\,000\,000 - \\
& 1\,046\,306\,842\,138\,738\,272\,448\,726\,630\,219\,105\,177\,763\,591\,147\,775\,061\,815\,208\,644\,439\,800\,659\,\backslash \\
& 970\,463\,817\,993\,845\,497\,962\,496\,000\,000\,000\,\alpha - \\
& 8\,063\,040\,903\,368\,119\,489\,520\,639\,605\,861\,054\,492\,644\,383\,281\,280\,152\,439\,760\,335\,716\,023\,888\,\backslash \\
& 579\,587\,892\,322\,474\,458\,446\,564\,556\,800\,000\,\alpha^2 - \\
& 40\,342\,003\,276\,464\,216\,044\,450\,182\,823\,947\,828\,779\,909\,724\,693\,807\,903\,745\,495\,539\,091\,581\,285\,\backslash \\
& 348\,655\,015\,862\,991\,060\,407\,117\,987\,840\,000\,\alpha^3 - \\
& 147\,480\,680\,696\,527\,169\,023\,481\,214\,866\,537\,283\,573\,289\,590\,473\,986\,907\,202\,542\,474\,712\,643\,\backslash \\
& 129\,240\,344\,734\,982\,898\,527\,454\,663\,389\,184\,000\,\alpha^4 - \\
& 420\,307\,794\,979\,971\,339\,240\,068\,771\,099\,896\,944\,194\,319\,811\,522\,149\,369\,190\,952\,394\,291\,736\,\backslash \\
& 631\,955\,500\,588\,907\,988\,832\,371\,996\,931\,686\,400\,\alpha^5 - \\
& 972\,872\,683\,947\,461\,549\,390\,032\,622\,605\,804\,999\,530\,770\,114\,836\,008\,552\,054\,002\,297\,339\,486\,\backslash \\
& 155\,899\,169\,989\,453\,915\,030\,924\,292\,648\,591\,360\,\alpha^6 - \\
& 1\,881\,392\,043\,927\,614\,844\,232\,283\,116\,610\,187\,939\,661\,204\,340\,499\,337\,585\,705\,454\,277\,554\,583\,\backslash \\
& 013\,017\,989\,832\,950\,077\,836\,279\,602\,653\,913\,088\,\alpha^7 - \\
& 3\,103\,210\,534\,714\,404\,030\,824\,179\,600\,350\,724\,367\,924\,680\,869\,703\,938\,243\,004\,913\,650\,515\,201\,\backslash \\
& 899\,584\,230\,977\,528\,217\,866\,916\,867\,902\,599\,168\,\alpha^8 - \\
& 4\,434\,945\,912\,949\,889\,771\,898\,905\,118\,827\,007\,222\,959\,946\,366\,388\,645\,356\,155\,936\,115\,487\,990\,\backslash \\
& 557\,789\,351\,010\,282\,207\,351\,395\,964\,501\,026\,816\,\alpha^9 - \\
& 5\,560\,104\,254\,008\,049\,409\,147\,280\,978\,567\,740\,613\,195\,455\,543\,799\,082\,669\,813\,414\,091\,764\,132\,\backslash \\
& 169\,957\,681\,481\,154\,782\,128\,263\,797\,459\,736\,576\,\alpha^{10} - \\
& 6\,176\,169\,185\,455\,940\,330\,808\,906\,269\,867\,595\,807\,173\,753\,454\,489\,301\,450\,331\,041\,466\,273\,897\,\backslash \\
& 367\,923\,767\,183\,892\,529\,349\,894\,604\,885\,764\,096\,\alpha^{11} - \\
& 6\,128\,353\,311\,446\,945\,537\,769\,882\,153\,407\,003\,518\,183\,803\,383\,964\,320\,134\,341\,520\,907\,268\,210\,\backslash \\
& 678\,080\,876\,411\,531\,193\,082\,882\,536\,328\,017\,920\,\alpha^{12} - \\
& 5\,469\,027\,003\,884\,320\,146\,820\,843\,068\,331\,442\,823\,213\,189\,184\,790\,249\,006\,329\,401\,369\,812\,290\,\backslash \\
& 249\,705\,608\,701\,476\,133\,954\,703\,027\,587\,143\,680\,\alpha^{13} - \\
& 4\,414\,761\,268\,063\,184\,662\,512\,253\,736\,120\,675\,764\,495\,733\,544\,884\,254\,877\,816\,933\,785\,589\,497\,\backslash \\
& 501\,177\,158\,273\,211\,798\,202\,771\,605\,650\,966\,528\,\alpha^{14} -
\end{aligned}$$

3 239 320 790 384 512 454 925 659 217 401 528 541 960 925 674 562 823 467 683 753 387 300 096 \   
 913 804 526 274 991 735 370 050 331 469 453 312  $\alpha^{15}$  –   
 2 169 540 377 733 910 655 616 404 516 857 325 837 308 967 831 278 850 565 658 396 459 617 627 \   
 705 262 466 336 179 944 036 513 837 083 326 464  $\alpha^{16}$  –   
 1 331 119 888 871 444 272 494 859 872 588 462 965 569 406 619 870 947 403 259 284 176 975 372 \   
 734 923 024 439 023 425 472 796 802 555 240 448  $\alpha^{17}$  –   
 750 520 039 766 967 595 908 225 848 790 922 744 578 733 947 175 727 108 508 541 681 094 896 \   
 124 263 562 545 812 841 297 366 048 071 327 744  $\alpha^{18}$  –   
 389 929 379 522 431 825 137 397 143 704 228 135 063 293 964 596 923 658 415 486 442 009 604 \   
 953 374 158 035 970 887 733 045 206 963 142 656  $\alpha^{19}$  –   
 187 119 335 650 243 646 015 447 680 007 186 075 111 320 249 455 185 607 780 617 792 887 598 \   
 981 918 348 547 038 955 537 008 877 742 325 760  $\alpha^{20}$  –   
 83 110 967 167 707 809 590 431 195 545 846 962 330 496 256 759 037 319 469 496 937 083 568 965 \   
 496 149 884 892 113 011 782 329 225 117 696  $\alpha^{21}$  –   
 34 228 369 501 835 145 494 980 127 780 618 335 757 627 665 016 056 708 141 267 429 761 837 796 \   
 789 187 877 255 697 785 179 480 042 668 032  $\alpha^{22}$  –   
 13 091 207 979 507 213 938 222 505 454 960 881 022 480 681 727 757 992 916 388 442 954 235 805 \   
 174 808 285 847 632 488 618 767 049 064 448  $\alpha^{23}$  –   
 4 656 106 578 302 642 277 486 956 530 568 514 226 802 466 178 418 960 554 715 671 054 259 816 \   
 447 896 732 606 416 009 612 563 628 982 272  $\alpha^{24}$  –   
 1 541 753 358 255 901 982 899 143 717 866 842 151 869 396 697 382 500 616 259 988 190 275 414 \   
 344 807 668 661 509 123 548 719 607 709 696  $\alpha^{25}$  –   
 475 747 741 423 846 113 509 406 139 822 089 409 558 834 890 225 094 660 656 121 806 403 691 \   
 348 963 331 978 299 467 374 606 563 278 848  $\alpha^{26}$  –   
 136 916 837 891 187 616 625 184 998 326 056 429 504 039 653 097 666 185 977 111 209 848 877 \   
 016 527 896 838 721 782 958 028 222 103 552  $\alpha^{27}$  –   
 36 773 542 902 032 848 720 604 992 348 021 309 855 975 509 045 302 771 430 572 830 388 247 978 \   
 080 004 321 983 332 842 395 672 248 320  $\alpha^{28}$  –   
 9 222 057 771 865 361 655 587 918 791 865 256 513 655 059 974 248 979 008 383 657 242 319 695 \   
 021 511 689 051 936 575 805 026 467 840  $\alpha^{29}$  –   
 2 160 163 985 925 675 042 099 245 483 939 634 377 275 071 957 227 813 696 829 782 717 717 176 \   
 003 818 487 785 399 121 613 860 896 768  $\alpha^{30}$  –   
 472 720 025 205 640 815 059 490 246 145 861 870 332 220 096 433 384 130 334 619 316 308 120 \   
 253 515 277 057 104 383 978 367 877 120  $\alpha^{31}$  –   
 96 652 147 696 787 341 895 848 956 866 051 016 039 909 551 625 199 908 402 682 998 557 439 441 \   
 167 607 892 511 107 022 699 102 208  $\alpha^{32}$  –   
 18 462 101 488 678 397 135 494 627 257 448 945 706 415 101 359 877 407 220 951 086 944 447 072 \   
 736 475 777 381 563 975 430 307 840  $\alpha^{33}$  –   
 3 294 004 347 559 613 239 011 490 570 819 901 982 434 667 351 701 826 812 180 794 428 244 257 \   
 510 022 981 729 304 937 322 512 384  $\alpha^{34}$  –   
 548 769 412 455 946 619 105 967 864 833 292 729 282 200 750 189 473 702 537 314 172 764 953 \   
 892 848 343 678 058 286 284 800 000  $\alpha^{35}$  –   
 85 322 460 572 345 824 115 396 103 190 598 482 331 476 952 333 928 970 081 095 175 298 131 045 \   
 877 048 464 191 584 370 425 856  $\alpha^{36}$  –   
 12 372 637 705 450 985 916 790 208 292 779 362 208 938 508 679 703 247 271 783 820 034 240 960 \   
 359 692 403 067 920 324 755 456  $\alpha^{37}$  –   
 1 671 987 071 590 710 549 327 937 486 345 232 161 986 013 915 545 089 761 875 242 051 467 862 \   
 849 239 742 509 511 897 776 128  $\alpha^{38}$  –   
 210 351 086 555 818 325 900 115 450 364 084 991 848 031 684 051 542 064 588 145 772 268 399 \   
 227 033 253 298 772 371 308 544  $\alpha^{39}$  –   
 24 608 438 546 361 175 534 937 545 622 226 722 673 118 723 191 263 957 400 822 118 273 363 807 \   
 557 781 612 194 378 547 200  $\alpha^{40}$  –   
 2 673 286 727 786 562 934 329 060 531 499 866 480 845 791 347 455 685 492 553 416 890 591 759 \   
 616 806 534 552 217 452 544  $\alpha^{41}$  –   
 269 229 298 130 090 954 346 081 240 433 626 118 699 200 857 940 249 306 840 830 488 326 238 \



$555\,279\,497\,987\,618\,766\,848\,\alpha^{42} -$   
 $25\,089\,576\,750\,794\,901\,202\,832\,762\,927\,865\,548\,923\,068\,159\,981\,057\,017\,689\,115\,799\,911\,356\,402\,\backslash$   
 $902\,430\,047\,358\,943\,232\,\alpha^{43} -$   
 $2\,158\,777\,268\,447\,904\,178\,449\,599\,080\,825\,606\,596\,139\,840\,063\,281\,548\,344\,729\,703\,871\,776\,723\,\backslash$   
 $614\,182\,296\,002\,756\,608\,\alpha^{44} -$   
 $171\,066\,901\,763\,941\,149\,310\,027\,936\,881\,624\,312\,397\,959\,809\,979\,309\,332\,678\,088\,357\,662\,261\,\backslash$   
 $425\,810\,659\,285\,663\,744\,\alpha^{45} -$   
 $12\,447\,855\,432\,430\,684\,071\,574\,506\,959\,843\,385\,704\,358\,919\,425\,359\,872\,840\,014\,653\,322\,879\,702\,\backslash$   
 $454\,923\,020\,992\,512\,\alpha^{46} -$   
 $828\,926\,257\,417\,981\,463\,044\,074\,521\,250\,992\,804\,504\,781\,181\,395\,893\,298\,873\,558\,607\,584\,887\,\backslash$   
 $479\,429\,024\,972\,800\,\alpha^{47} -$   
 $50\,316\,277\,917\,632\,358\,932\,212\,241\,401\,985\,181\,680\,750\,527\,057\,370\,626\,271\,716\,159\,349\,205\,253\,\backslash$   
 $270\,737\,518\,592\,\alpha^{48} -$   
 $2\,771\,118\,734\,583\,284\,921\,118\,845\,301\,307\,087\,413\,802\,880\,091\,400\,792\,313\,478\,173\,670\,369\,754\,\backslash$   
 $663\,033\,503\,744\,\alpha^{49} -$   
 $137\,712\,827\,660\,257\,339\,173\,698\,533\,307\,313\,630\,695\,948\,419\,960\,042\,460\,401\,504\,035\,396\,711\,\backslash$   
 $600\,353\,181\,696\,\alpha^{50} -$   
 $6\,135\,192\,158\,364\,546\,900\,539\,006\,971\,820\,090\,261\,589\,423\,075\,514\,539\,457\,306\,186\,213\,444\,141\,\backslash$   
 $694\,582\,784\,\alpha^{51} -$   
 $243\,104\,725\,758\,837\,767\,552\,139\,070\,051\,076\,848\,789\,548\,660\,176\,641\,336\,478\,674\,872\,103\,569\,\backslash$   
 $375\,363\,072\,\alpha^{52} -$   
 $8\,485\,540\,302\,509\,001\,247\,718\,900\,614\,900\,158\,960\,754\,217\,337\,028\,332\,615\,217\,672\,002\,329\,294\,\backslash$   
 $929\,920\,\alpha^{53} -$   
 $257\,785\,910\,402\,808\,211\,284\,516\,081\,368\,306\,309\,411\,559\,846\,290\,715\,539\,388\,387\,099\,860\,111\,\backslash$   
 $720\,448\,\alpha^{54} -$   
 $6\,712\,041\,376\,408\,789\,166\,921\,011\,635\,171\,742\,514\,928\,803\,799\,185\,869\,332\,335\,040\,288\,478\,199\,\backslash$   
 $808\,\alpha^{55} -$   
 $146\,779\,981\,189\,443\,472\,823\,310\,349\,121\,775\,625\,707\,391\,040\,425\,471\,334\,585\,403\,719\,150\,469\,120\,\backslash$   
 $\alpha^{56} -$   
 $2\,621\,873\,074\,878\,585\,079\,608\,359\,805\,190\,872\,595\,183\,877\,618\,696\,247\,334\,462\,868\,869\,349\,376\,\backslash$   
 $\alpha^{57} -$   
 $36\,737\,152\,832\,496\,212\,022\,814\,276\,545\,290\,018\,760\,882\,502\,500\,271\,251\,331\,624\,759\,984\,128\,\alpha^{58} -$   
 $378\,669\,028\,927\,466\,965\,844\,168\,860\,198\,416\,941\,541\,895\,992\,884\,919\,322\,261\,648\,834\,560\,\alpha^{59} -$   
 $2\,553\,039\,342\,479\,802\,764\,417\,560\,551\,325\,462\,302\,039\,511\,315\,074\,990\,038\,518\,333\,440\,\alpha^{60} -$   
 $8\,446\,775\,523\,101\,979\,745\,645\,350\,596\,239\,365\,375\,715\,336\,408\,411\,704\,970\,444\,800\,\backslash$   
 $\alpha^{61}) \text{Seq}[5 + \alpha] +$   
 $(120\,581\,152\,450\,274\,920\,402\,573\,032\,294\,686\,819\,712\,972\,131\,296\,806\,580\,426\,328\,000\,788\,642\,111\,\backslash$   
 $538\,242\,565\,418\,876\,665\,856\,000\,000 +$   
 $1\,900\,076\,413\,371\,013\,166\,122\,856\,562\,173\,789\,942\,525\,553\,614\,400\,179\,944\,787\,772\,122\,588\,627\,\backslash$   
 $417\,767\,426\,342\,634\,983\,784\,448\,000\,000\,\alpha +$   
 $14\,565\,846\,026\,310\,966\,022\,328\,168\,211\,599\,097\,657\,095\,633\,485\,159\,403\,543\,056\,230\,733\,558\,435\,\backslash$   
 $906\,795\,931\,042\,282\,584\,181\,473\,280\,000\,\alpha^2 +$   
 $72\,466\,373\,087\,607\,070\,039\,125\,403\,400\,738\,948\,478\,373\,316\,642\,389\,100\,803\,178\,610\,446\,925\,981\,\backslash$   
 $099\,670\,744\,035\,437\,704\,843\,501\,568\,000\,\alpha^3 +$   
 $263\,326\,485\,763\,145\,395\,328\,697\,994\,209\,235\,676\,637\,002\,595\,096\,745\,338\,394\,942\,785\,958\,765\,\backslash$   
 $369\,375\,548\,818\,006\,625\,383\,713\,991\,475\,200\,\alpha^4 +$   
 $745\,696\,424\,094\,683\,967\,697\,713\,307\,191\,917\,361\,711\,991\,589\,151\,305\,379\,776\,618\,923\,180\,819\,\backslash$   
 $737\,801\,798\,612\,269\,545\,100\,023\,239\,905\,280\,\alpha^5 +$   
 $1\,714\,566\,854\,705\,516\,597\,426\,058\,620\,998\,002\,345\,466\,308\,936\,103\,883\,471\,120\,746\,062\,179\,064\,\backslash$   
 $489\,522\,645\,158\,546\,376\,751\,416\,222\,935\,040\,\alpha^6 +$   
 $3\,292\,771\,308\,337\,379\,139\,686\,334\,200\,339\,211\,969\,554\,922\,564\,572\,265\,624\,921\,824\,694\,076\,958\,\backslash$   
 $426\,628\,119\,223\,606\,929\,912\,442\,569\,376\,768\,\alpha^7 +$   
 $5\,392\,214\,090\,871\,886\,520\,361\,415\,615\,687\,083\,199\,333\,934\,671\,650\,124\,310\,772\,889\,591\,997\,317\,\backslash$   
 $103\,262\,623\,414\,444\,515\,391\,762\,350\,627\,072\,\alpha^8 +$   
 $7\,649\,198\,938\,441\,291\,343\,526\,380\,734\,692\,815\,796\,356\,665\,376\,466\,956\,679\,944\,771\,192\,510\,653\,\backslash$

$540\,807\,281\,794\,099\,708\,383\,177\,320\,014\,080\,\alpha^9 +$   
 $9\,516\,728\,982\,761\,786\,120\,605\,393\,855\,441\,555\,752\,870\,497\,590\,051\,820\,540\,357\,285\,289\,617\,660\,\backslash$   
 $627\,986\,076\,959\,591\,212\,228\,458\,698\,698\,304\,\alpha^{10} +$   
 $10\,488\,488\,190\,429\,786\,621\,447\,248\,762\,358\,014\,712\,658\,140\,464\,493\,395\,257\,827\,541\,679\,074\,440\,\backslash$   
 $358\,317\,804\,055\,315\,201\,775\,025\,282\,828\,096\,\alpha^{11} +$   
 $10\,323\,903\,946\,987\,212\,982\,998\,658\,998\,557\,087\,287\,593\,058\,891\,701\,018\,242\,099\,458\,731\,022\,146\,\backslash$   
 $048\,659\,357\,147\,597\,301\,293\,190\,362\,217\,600\,\alpha^{12} +$   
 $9\,137\,750\,833\,075\,661\,139\,297\,923\,020\,332\,422\,559\,434\,192\,650\,513\,376\,702\,972\,240\,818\,883\,690\,\backslash$   
 $093\,964\,503\,283\,789\,148\,554\,528\,741\,679\,872\,\alpha^{13} +$   
 $7\,314\,637\,829\,541\,867\,737\,442\,618\,078\,674\,795\,653\,864\,424\,318\,082\,246\,781\,335\,402\,430\,604\,642\,\backslash$   
 $783\,355\,444\,150\,489\,286\,819\,796\,091\,533\,952\,\alpha^{14} +$   
 $5\,321\,418\,760\,443\,267\,695\,937\,899\,214\,363\,957\,228\,750\,562\,670\,177\,971\,047\,885\,757\,993\,115\,552\,\backslash$   
 $475\,356\,479\,849\,751\,607\,528\,267\,688\,708\,224\,\alpha^{15} +$   
 $3\,533\,169\,685\,457\,613\,721\,246\,686\,657\,033\,774\,994\,730\,027\,979\,020\,598\,859\,248\,178\,621\,844\,442\,\backslash$   
 $994\,754\,401\,127\,700\,893\,118\,048\,436\,198\,656\,\alpha^{16} +$   
 $2\,148\,702\,124\,785\,205\,437\,072\,158\,685\,600\,832\,819\,709\,308\,401\,482\,098\,774\,557\,609\,603\,146\,268\,\backslash$   
 $370\,693\,571\,897\,467\,142\,200\,671\,012\,460\,032\,\alpha^{17} +$   
 $1\,200\,676\,352\,346\,166\,722\,529\,054\,913\,337\,961\,684\,874\,633\,742\,677\,411\,170\,512\,481\,652\,293\,203\,\backslash$   
 $789\,703\,337\,197\,921\,449\,660\,518\,608\,062\,528\,\alpha^{18} +$   
 $618\,158\,293\,609\,438\,396\,479\,336\,982\,076\,454\,816\,756\,085\,065\,377\,703\,220\,705\,007\,379\,202\,419\,\backslash$   
 $772\,379\,659\,653\,356\,684\,836\,837\,954\,258\,752\,\alpha^{19} +$   
 $293\,921\,160\,623\,900\,481\,498\,500\,639\,381\,345\,209\,629\,458\,075\,959\,197\,907\,830\,952\,517\,471\,883\,\backslash$   
 $677\,063\,729\,876\,161\,724\,520\,063\,564\,193\,152\,\alpha^{20} +$   
 $129\,336\,192\,721\,765\,991\,660\,080\,343\,308\,454\,065\,800\,831\,634\,428\,433\,679\,000\,441\,710\,878\,013\,\backslash$   
 $015\,083\,737\,927\,074\,089\,207\,922\,874\,941\,440\,\alpha^{21} +$   
 $52\,765\,636\,019\,199\,799\,111\,381\,378\,868\,634\,304\,033\,145\,894\,069\,021\,076\,421\,221\,501\,662\,954\,134\,\backslash$   
 $592\,270\,749\,838\,354\,718\,645\,222\,806\,784\,\alpha^{22} +$   
 $19\,989\,596\,605\,579\,962\,984\,867\,994\,033\,658\,387\,820\,286\,510\,446\,530\,911\,883\,178\,825\,935\,021\,481\,\backslash$   
 $775\,279\,533\,495\,882\,366\,264\,207\,935\,232\,\alpha^{23} +$   
 $7\,041\,496\,612\,088\,159\,463\,311\,320\,381\,422\,443\,958\,933\,034\,367\,901\,537\,196\,636\,504\,100\,719\,468\,\backslash$   
 $272\,610\,586\,653\,925\,460\,746\,492\,748\,288\,\alpha^{24} +$   
 $2\,309\,060\,497\,679\,889\,819\,568\,829\,675\,953\,492\,486\,401\,228\,637\,343\,600\,590\,973\,213\,529\,765\,269\,\backslash$   
 $345\,674\,567\,191\,622\,231\,758\,901\,625\,856\,\alpha^{25} +$   
 $705\,566\,822\,709\,603\,616\,752\,967\,960\,051\,400\,614\,194\,104\,837\,995\,986\,979\,434\,773\,665\,743\,607\,\backslash$   
 $957\,497\,597\,909\,829\,997\,309\,673\,136\,128\,\alpha^{26} +$   
 $201\,059\,181\,461\,910\,258\,374\,737\,816\,899\,248\,508\,572\,638\,315\,332\,035\,781\,187\,681\,288\,149\,220\,\backslash$   
 $941\,698\,291\,146\,925\,804\,441\,479\,016\,448\,\alpha^{27} +$   
 $53\,465\,625\,616\,863\,590\,775\,414\,150\,388\,845\,576\,347\,663\,846\,893\,792\,228\,443\,171\,968\,875\,550\,156\,\backslash$   
 $900\,582\,056\,785\,747\,719\,422\,525\,440\,\alpha^{28} +$   
 $13\,274\,171\,512\,859\,680\,595\,835\,814\,089\,747\,839\,640\,233\,513\,347\,991\,315\,735\,528\,959\,924\,396\,189\,\backslash$   
 $953\,528\,392\,277\,813\,159\,454\,801\,920\,\alpha^{29} +$   
 $3\,078\,057\,213\,763\,486\,244\,352\,345\,791\,721\,276\,545\,132\,752\,580\,025\,576\,062\,526\,743\,654\,834\,354\,\backslash$   
 $480\,552\,461\,483\,354\,715\,108\,868\,096\,\alpha^{30} +$   
 $666\,769\,829\,129\,949\,037\,121\,801\,443\,589\,484\,393\,540\,592\,059\,096\,938\,291\,893\,912\,321\,148\,006\,\backslash$   
 $506\,381\,146\,844\,371\,145\,041\,641\,472\,\alpha^{31} +$   
 $134\,939\,333\,170\,640\,250\,644\,825\,087\,506\,155\,019\,776\,551\,340\,483\,776\,456\,258\,058\,615\,424\,995\,\backslash$   
 $046\,845\,495\,729\,320\,230\,459\,539\,456\,\alpha^{32} +$   
 $25\,511\,612\,464\,764\,100\,546\,430\,997\,379\,719\,262\,680\,447\,523\,488\,849\,274\,818\,592\,600\,167\,424\,164\,\backslash$   
 $876\,020\,845\,531\,206\,619\,496\,448\,\alpha^{33} +$   
 $4\,504\,915\,937\,889\,488\,720\,282\,092\,156\,772\,919\,438\,774\,874\,621\,572\,348\,422\,784\,365\,901\,096\,114\,\backslash$   
 $334\,276\,262\,051\,688\,191\,361\,024\,\alpha^{34} +$   
 $742\,737\,824\,182\,835\,970\,689\,350\,093\,603\,544\,832\,861\,288\,972\,635\,280\,217\,915\,406\,821\,298\,110\,\backslash$   
 $703\,255\,349\,658\,360\,278\,417\,408\,\alpha^{35} +$   
 $114\,280\,149\,807\,519\,929\,236\,702\,876\,833\,062\,323\,065\,049\,840\,063\,653\,409\,586\,438\,474\,120\,115\,\backslash$   
 $330\,047\,846\,006\,957\,417\,693\,184\,\alpha^{36} +$

$$\begin{aligned}
& 16\,398\,775\,142\,218\,976\,562\,880\,882\,075\,176\,257\,653\,811\,072\,240\,487\,035\,453\,361\,999\,016\,300\,688 \setminus \\
& \quad 562\,516\,073\,067\,902\,402\,560 \alpha^{37} + \\
& 2\,192\,829\,169\,402\,203\,220\,737\,266\,504\,684\,302\,298\,474\,988\,116\,383\,555\,850\,400\,694\,002\,904\,037 \setminus \\
& \quad 395\,070\,982\,061\,591\,363\,584 \alpha^{38} + \\
& 272\,974\,220\,807\,403\,524\,882\,574\,716\,259\,239\,670\,274\,799\,336\,176\,925\,409\,961\,029\,917\,838\,181 \setminus \\
& \quad 599\,612\,933\,119\,366\,135\,808 \alpha^{39} + \\
& 31\,597\,246\,259\,766\,424\,246\,728\,035\,639\,042\,985\,947\,138\,250\,760\,643\,948\,491\,165\,231\,805\,438\,021 \setminus \\
& \quad 076\,142\,404\,893\,933\,568 \alpha^{40} + \\
& 3\,396\,122\,757\,602\,875\,444\,111\,357\,280\,112\,069\,533\,281\,317\,737\,631\,151\,483\,587\,158\,036\,013\,103 \setminus \\
& \quad 708\,926\,725\,691\,801\,600 \alpha^{41} + \\
& 338\,390\,516\,501\,879\,988\,552\,822\,509\,200\,909\,533\,334\,798\,976\,877\,139\,053\,474\,011\,280\,502\,180 \setminus \\
& \quad 367\,219\,316\,454\,588\,416 \alpha^{42} + \\
& 31\,198\,489\,018\,300\,067\,585\,260\,944\,852\,250\,344\,332\,646\,420\,864\,107\,874\,035\,234\,045\,801\,609\,611 \setminus \\
& \quad 223\,884\,929\,957\,888 \alpha^{43} + \\
& 2\,655\,704\,158\,564\,678\,961\,048\,863\,287\,604\,573\,688\,111\,801\,752\,637\,426\,697\,812\,178\,953\,780\,767 \setminus \\
& \quad 539\,199\,739\,953\,152 \alpha^{44} + \\
& 208\,188\,937\,558\,838\,879\,558\,320\,924\,438\,661\,530\,453\,979\,304\,978\,436\,615\,902\,674\,330\,138\,904 \setminus \\
& \quad 660\,249\,667\,436\,544 \alpha^{45} + \\
& 14\,986\,321\,239\,745\,063\,715\,953\,263\,249\,111\,081\,851\,785\,606\,888\,117\,525\,771\,217\,934\,795\,844\,491 \setminus \\
& \quad 117\,720\,502\,272 \alpha^{46} + \\
& 987\,222\,680\,657\,520\,467\,139\,359\,993\,816\,566\,093\,606\,778\,869\,737\,980\,549\,780\,573\,277\,890\,734 \setminus \\
& \quad 983\,368\,146\,944 \alpha^{47} + \\
& 59\,278\,493\,653\,086\,844\,808\,182\,174\,633\,278\,391\,368\,719\,144\,307\,104\,396\,769\,159\,552\,887\,645\,419 \setminus \\
& \quad 201\,363\,968 \alpha^{48} + \\
& 3\,229\,421\,260\,307\,996\,998\,417\,183\,140\,207\,934\,071\,198\,248\,174\,697\,674\,201\,995\,613\,065\,884\,821 \setminus \\
& \quad 618\,688\,000 \alpha^{49} + \\
& 158\,751\,242\,496\,453\,534\,825\,597\,053\,156\,507\,475\,079\,646\,337\,966\,566\,094\,107\,382\,603\,476\,949 \setminus \\
& \quad 648\,015\,360 \alpha^{50} + \\
& 6\,995\,795\,157\,325\,692\,988\,477\,132\,486\,377\,610\,339\,521\,735\,824\,378\,306\,639\,271\,028\,742\,806\,340 \setminus \\
& \quad 370\,432 \alpha^{51} + \\
& 274\,196\,702\,833\,137\,360\,558\,598\,500\,679\,259\,146\,138\,827\,503\,206\,825\,796\,571\,771\,198\,594\,449 \setminus \\
& \quad 670\,144 \alpha^{52} + \\
& 9\,466\,788\,739\,930\,405\,085\,189\,369\,271\,953\,402\,490\,455\,091\,105\,179\,113\,022\,739\,705\,702\,666\,731 \setminus \\
& \quad 520 \alpha^{53} + \\
& 284\,466\,979\,658\,548\,689\,774\,886\,522\,592\,467\,845\,631\,831\,886\,674\,858\,219\,685\,367\,770\,265\,944\,064 \\
& \quad \alpha^{54} + \\
& 7\,326\,096\,463\,359\,683\,724\,104\,533\,601\,042\,578\,936\,191\,058\,403\,786\,226\,862\,701\,604\,836\,999\,168 \\
& \quad \alpha^{55} + \\
& 158\,462\,553\,404\,231\,846\,803\,899\,930\,980\,941\,944\,990\,298\,886\,304\,560\,455\,349\,704\,096\,481\,280 \\
& \quad \alpha^{56} + \\
& 2\,799\,693\,235\,878\,071\,044\,209\,091\,575\,226\,043\,614\,606\,397\,175\,393\,295\,288\,267\,909\,890\,048 \alpha^{57} + \\
& 38\,800\,831\,823\,567\,827\,499\,922\,801\,782\,712\,161\,992\,488\,493\,059\,403\,151\,376\,748\,904\,448 \alpha^{58} + \\
& 395\,576\,528\,894\,866\,435\,542\,916\,831\,600\,021\,216\,563\,967\,696\,862\,066\,117\,034\,639\,360 \alpha^{59} + \\
& 2\,637\,925\,249\,040\,141\,171\,551\,058\,531\,232\,034\,926\,711\,319\,300\,708\,501\,385\,379\,840 \alpha^{60} + \\
& 8\,632\,366\,274\,740\,153\,588\,176\,367\,525\,920\,644\,804\,831\,022\,961\,094\,610\,124\,800 \alpha^{61} \Big) \text{Seq}[6 + \alpha] + \\
& (-29\,455\,629\,991\,646\,647\,140\,236\,846\,327\,061\,677\,829\,185\,214\,944\,415\,369\,972\,088\,077\,461\,375\,831 \setminus \\
& \quad 570\,406\,398\,433\,558\,528\,000\,000 - \\
& 462\,525\,044\,793\,622\,682\,472\,887\,357\,066\,717\,368\,850\,633\,206\,003\,423\,100\,963\,098\,357\,333\,130 \setminus \\
& \quad 238\,935\,414\,579\,782\,857\,523\,200\,000 \alpha - \\
& 3\,532\,646\,259\,358\,609\,551\,764\,417\,030\,516\,390\,355\,414\,191\,427\,524\,451\,411\,965\,807\,149\,015\,061 \setminus \\
& \quad 477\,878\,710\,655\,959\,807\,631\,360\,000 \alpha^2 - \\
& 17\,507\,825\,373\,595\,286\,818\,432\,814\,614\,666\,167\,614\,246\,230\,101\,181\,733\,695\,293\,656\,666\,780\,214 \setminus \\
& \quad 791\,695\,768\,242\,690\,973\,394\,944\,000 \alpha^3 - \\
& 63\,366\,137\,292\,413\,072\,727\,859\,693\,139\,817\,885\,716\,451\,408\,633\,079\,301\,221\,557\,007\,201\,989\,142 \setminus \\
& \quad 972\,485\,512\,422\,031\,004\,315\,545\,600 \alpha^4 -
\end{aligned}$$

178 702 807 189 283 132 384 992 926 641 454 606 081 932 850 546 145 452 462 443 115 381 438 \\  
 485 178 724 900 482 638 704 913 548 800  $\alpha^5$  -  
 409 141 125 618 277 428 731 409 324 250 449 833 118 175 806 301 159 181 480 732 174 041 095 \\  
 218 023 720 914 892 780 036 293 415 424  $\alpha^6$  -  
 782 303 174 904 870 046 463 950 616 114 876 197 949 422 718 146 478 562 921 513 302 050 874 \\  
 554 979 773 349 349 358 537 158 841 824  $\alpha^7$  -  
 1 275 331 592 972 415 178 369 213 213 865 567 788 041 803 860 688 820 004 550 260 300 402 413 \\  
 066 699 857 250 885 835 883 190 251 744  $\alpha^8$  -  
 1 800 793 845 221 682 764 370 267 204 039 045 918 761 488 570 608 600 857 477 315 600 795 482 \\  
 046 238 725 675 947 220 252 907 525 608  $\alpha^9$  -  
 2 229 867 486 518 672 437 623 674 293 096 624 869 684 072 139 642 255 183 268 766 615 118 875 \\  
 244 427 763 733 715 020 763 709 435 208  $\alpha^{10}$  -  
 2 445 683 758 534 265 275 037 374 372 288 976 997 309 059 235 749 333 296 240 851 662 939 994 \\  
 574 538 932 771 814 087 014 627 112 304  $\alpha^{11}$  -  
 2 395 418 887 484 803 687 988 431 360 180 252 879 178 554 138 514 004 164 734 181 510 111 078 \\  
 769 268 112 150 310 326 264 022 410 128  $\alpha^{12}$  -  
 2 109 512 830 015 866 673 001 847 345 600 940 875 857 323 553 510 441 833 218 240 520 016 959 \\  
 079 679 963 748 620 418 858 132 921 656  $\alpha^{13}$  -  
 1 679 953 795 974 367 750 279 583 284 751 983 991 806 373 934 255 173 315 380 311 224 713 254 \\  
 571 810 353 125 701 275 186 299 136 984  $\alpha^{14}$  -  
 1 215 768 466 078 801 102 983 378 746 196 889 621 732 833 281 706 532 653 574 897 958 230 696 \\  
 591 733 990 648 266 897 595 688 589 824  $\alpha^{15}$  -  
 802 906 610 390 022 977 764 556 100 868 791 019 748 877 641 419 458 166 128 663 627 626 905 \\  
 542 224 144 577 324 649 959 555 822 240  $\alpha^{16}$  -  
 485 638 204 696 005 227 090 714 013 918 395 023 728 898 254 847 227 396 881 113 900 991 702 \\  
 979 821 599 936 719 276 809 882 814 072  $\alpha^{17}$  -  
 269 872 380 157 931 601 806 205 513 203 182 978 567 354 787 153 152 395 278 116 668 206 564 \\  
 001 325 707 520 398 001 192 383 650 904  $\alpha^{18}$  -  
 138 161 964 612 698 772 315 821 821 118 379 878 581 692 498 609 206 643 741 890 412 393 030 \\  
 501 142 579 932 356 800 718 304 621 360  $\alpha^{19}$  -  
 65 318 635 219 296 155 347 871 567 042 285 237 219 714 554 922 971 293 971 581 071 104 419 821 \\  
 786 271 968 602 469 346 910 742 672  $\alpha^{20}$  -  
 28 576 268 797 098 421 596 646 297 441 245 263 614 662 168 245 963 119 956 960 683 228 269 671 \\  
 389 791 334 824 496 762 458 841 928  $\alpha^{21}$  -  
 11 589 859 437 183 095 561 710 850 714 746 303 480 679 304 019 452 893 622 547 175 809 307 990 \\  
 738 722 924 169 567 361 987 804 456  $\alpha^{22}$  -  
 4 364 509 632 826 070 549 309 734 943 002 112 400 325 955 081 801 796 571 812 286 271 190 026 \\  
 412 658 971 542 877 331 544 936 064  $\alpha^{23}$  -  
 1 528 143 903 190 722 713 136 940 242 458 679 526 227 124 161 595 344 839 845 438 699 068 018 \\  
 885 238 983 477 575 644 644 346 464  $\alpha^{24}$  -  
 498 042 445 550 180 497 896 933 826 139 027 791 440 198 529 594 549 519 155 156 209 631 744 \\  
 550 132 036 176 814 951 600 609 056  $\alpha^{25}$  -  
 151 239 541 406 196 439 943 784 165 513 778 425 616 149 300 488 406 578 795 313 952 252 337 \\  
 794 767 288 783 046 263 241 923 168  $\alpha^{26}$  -  
 42 826 452 993 007 488 322 580 048 407 220 581 735 782 071 363 972 448 391 732 206 248 105 776 \\  
 632 185 307 905 186 287 440 384  $\alpha^{27}$  -  
 11 315 900 424 211 350 313 600 126 891 360 953 961 885 877 722 537 917 118 176 973 329 457 207 \\  
 052 560 541 311 634 098 293 504  $\alpha^{28}$  -  
 2 791 347 098 393 037 506 278 008 936 648 301 670 617 125 534 314 642 762 627 749 898 750 367 \\  
 421 016 031 473 148 072 175 872  $\alpha^{29}$  -  
 643 044 674 672 427 867 473 866 516 717 819 588 300 861 991 224 976 205 669 458 979 330 930 \\  
 688 310 153 749 493 954 804 736  $\alpha^{30}$  -  
 138 377 316 829 237 251 707 888 016 485 211 782 860 761 768 640 219 516 313 645 131 870 829 \\  
 045 174 801 909 013 169 959 936  $\alpha^{31}$  -  
 27 817 549 550 313 406 912 253 441 969 365 037 747 368 116 493 841 394 525 127 187 506 845 984 \

$$\begin{aligned}
& 931\,395\,248\,760\,058\,122\,240\,\alpha^{32} - \\
& 5\,223\,682\,371\,783\,799\,455\,775\,270\,264\,016\,937\,150\,318\,433\,684\,929\,092\,541\,764\,757\,834\,584\,053\,\alpha^{33} - \\
& 292\,253\,446\,859\,826\,655\,232\,\alpha^{34} - \\
& 916\,118\,450\,210\,791\,119\,006\,821\,124\,711\,541\,467\,099\,307\,495\,751\,178\,736\,890\,840\,487\,435\,625\,\alpha^{35} - \\
& 306\,935\,127\,069\,341\,065\,216\,\alpha^{36} - \\
& 150\,001\,101\,151\,868\,093\,889\,001\,664\,225\,732\,741\,036\,702\,945\,214\,856\,000\,974\,032\,938\,084\,478\,\alpha^{37} - \\
& 179\,528\,997\,796\,548\,001\,792\,\alpha^{38} - \\
& 22\,918\,800\,627\,561\,460\,526\,707\,824\,077\,969\,666\,381\,689\,306\,453\,360\,731\,540\,826\,757\,444\,374\,862\,\alpha^{39} - \\
& 747\,932\,160\,614\,465\,536\,\alpha^{40} - \\
& 3\,265\,601\,674\,950\,751\,133\,501\,754\,147\,572\,179\,445\,960\,887\,776\,866\,740\,160\,140\,285\,976\,821\,234\,\alpha^{41} - \\
& 344\,570\,229\,529\,640\,960\,\alpha^{42} - \\
& 433\,566\,943\,162\,019\,166\,381\,025\,305\,555\,814\,109\,690\,381\,654\,681\,578\,289\,001\,592\,699\,528\,506\,\alpha^{43} - \\
& 619\,276\,683\,943\,870\,464\,\alpha^{44} - \\
& 53\,584\,813\,349\,269\,855\,707\,231\,219\,132\,993\,260\,308\,325\,551\,307\,482\,381\,647\,909\,931\,404\,518\,343\,\alpha^{45} - \\
& 856\,779\,378\,032\,640\,\alpha^{46} - \\
& 6\,157\,543\,856\,618\,185\,046\,886\,985\,612\,654\,924\,148\,169\,429\,340\,670\,592\,027\,807\,595\,393\,374\,416\,\alpha^{47} - \\
& 434\,716\,368\,437\,248\,\alpha^{48} - \\
& 656\,976\,174\,741\,927\,462\,263\,297\,754\,123\,894\,375\,997\,193\,927\,739\,270\,320\,640\,262\,157\,013\,180\,\alpha^{49} - \\
& 572\,490\,522\,427\,392\,\alpha^{50} - \\
& 64\,977\,418\,706\,019\,265\,213\,187\,679\,596\,752\,737\,029\,483\,734\,517\,806\,385\,855\,141\,513\,040\,018\,924\,\alpha^{51} - \\
& 086\,161\,833\,984\,\alpha^{52} - \\
& 5\,946\,018\,163\,437\,774\,388\,496\,422\,565\,912\,707\,580\,550\,546\,209\,004\,165\,698\,619\,233\,385\,473\,586\,\alpha^{53} - \\
& 293\,800\,697\,856\,\alpha^{54} - \\
& 502\,332\,674\,804\,991\,722\,823\,226\,958\,101\,414\,377\,502\,773\,391\,709\,901\,580\,012\,567\,893\,069\,767\,\alpha^{55} - \\
& 337\,402\,433\,536\,\alpha^{56} - \\
& 39\,080\,436\,824\,489\,139\,148\,059\,419\,481\,523\,919\,439\,426\,007\,934\,537\,661\,464\,792\,295\,852\,013\,160\,\alpha^{57} - \\
& 805\,433\,344\,\alpha^{58} - \\
& 2\,791\,631\,453\,617\,222\,330\,120\,769\,051\,708\,093\,236\,214\,344\,922\,094\,245\,185\,487\,995\,419\,658\,747\,\alpha^{59} - \\
& 555\,872\,768\,\alpha^{60} - \\
& 182\,478\,209\,546\,391\,427\,273\,970\,164\,007\,896\,895\,755\,631\,711\,222\,275\,215\,313\,617\,055\,811\,260\,\alpha^{61} - \\
& 479\,700\,992\,\alpha^{62} - \\
& 10\,871\,707\,107\,525\,752\,722\,207\,050\,592\,710\,722\,776\,568\,235\,923\,588\,048\,553\,617\,614\,774\,484\,412\,\alpha^{63} - \\
& 137\,472\,\alpha^{64} - \\
& 587\,627\,539\,165\,856\,166\,752\,939\,183\,281\,663\,640\,007\,498\,737\,768\,227\,628\,287\,810\,025\,420\,960\,\alpha^{65} - \\
& 563\,200\,\alpha^{66} - \\
& 28\,657\,869\,000\,702\,189\,375\,632\,210\,881\,869\,700\,796\,991\,148\,592\,950\,930\,269\,556\,808\,628\,081\,524\,\alpha^{67} - \\
& 736\,\alpha^{68} - \\
& 1\,252\,812\,087\,739\,602\,944\,965\,147\,035\,807\,268\,066\,370\,923\,208\,833\,370\,729\,615\,192\,040\,186\,839\,\alpha^{69} - \\
& 040\,\alpha^{70} - \\
& 48\,708\,667\,875\,263\,201\,655\,037\,077\,373\,570\,350\,162\,307\,738\,938\,656\,178\,897\,032\,737\,531\,625\,472\,\alpha^{71} - \\
& \alpha^{72} - \\
& 1\,668\,073\,882\,960\,622\,467\,951\,062\,408\,812\,262\,433\,836\,154\,452\,339\,659\,904\,706\,529\,011\,433\,472\,\alpha^{73} - \\
& \alpha^{74} - \\
& 49\,714\,920\,837\,547\,683\,704\,505\,596\,103\,176\,945\,628\,980\,417\,399\,295\,013\,289\,014\,276\,915\,200\,\alpha^{75} - \\
& 1\,269\,824\,971\,743\,767\,393\,386\,586\,186\,354\,347\,897\,668\,422\,414\,005\,344\,000\,228\,766\,777\,344\,\alpha^{76} - \\
& 27\,238\,839\,389\,343\,913\,170\,512\,898\,267\,154\,268\,475\,546\,508\,565\,186\,271\,661\,925\,597\,184\,\alpha^{77} - \\
& 477\,241\,093\,219\,981\,996\,504\,998\,047\,426\,038\,846\,829\,292\,044\,812\,229\,351\,684\,702\,208\,\alpha^{78} - \\
& 6\,558\,566\,321\,814\,653\,795\,599\,548\,764\,602\,291\,576\,013\,675\,761\,876\,796\,285\,386\,752\,\alpha^{79} - \\
& 66\,300\,117\,548\,481\,814\,139\,546\,023\,216\,181\,968\,321\,071\,606\,479\,943\,515\,504\,640\,\alpha^{80} - \\
& 438\,367\,087\,367\,414\,272\,209\,048\,831\,077\,957\,496\,989\,551\,581\,658\,569\,768\,960\,\alpha^{81} - \\
& 1\,422\,240\,749\,027\,070\,143\,260\,491\,232\,131\,990\,781\,341\,168\,060\,019\,507\,200\,\alpha^{82} \Big) \text{Seq}[7 + \alpha] + \\
& (1\,205\,588\,006\,609\,925\,114\,832\,297\,623\,223\,040\,739\,045\,297\,101\,684\,627\,250\,687\,745\,036\,090\,250\,362\,\alpha^{83} - \\
& 448\,448\,061\,440\,000\,000 + \\
& 18\,878\,563\,798\,208\,377\,572\,884\,101\,641\,453\,178\,939\,614\,824\,431\,168\,255\,565\,529\,344\,096\,669\,435\,\alpha^{84} - \\
& 308\,304\,438\,919\,168\,000\,000\,\alpha +
\end{aligned}$$

143 775 942 157 204 992 278 071 579 422 477 901 174 700 717 188 479 933 659 152 226 921 551 \\  
 262 126 964 960 945 766 400 000  $\alpha^2$  +  
 710 432 312 507 808 996 265 263 712 032 602 180 112 929 262 041 972 850 926 481 127 346 744 \\  
 682 659 942 914 688 942 080 000  $\alpha^3$  +  
 2 563 340 985 936 026 008 353 404 294 654 572 709 002 361 460 134 700 537 473 468 295 409 759 \\  
 755 456 191 828 032 438 272 000  $\alpha^4$  +  
 7 206 013 958 682 336 737 462 560 101 637 976 963 259 127 610 213 412 549 419 791 736 178 761 \\  
 775 864 071 440 749 724 057 600  $\alpha^5$  +  
 16 444 048 153 079 090 284 534 296 193 988 449 388 348 784 770 276 807 297 506 080 717 415 947 \\  
 620 087 766 477 307 368 273 920  $\alpha^6$  +  
 31 335 815 271 977 235 229 287 178 644 662 936 471 102 470 115 340 447 414 297 300 365 532 115 \\  
 595 284 749 094 068 609 359 616  $\alpha^7$  +  
 50 907 136 145 508 143 559 100 792 051 001 043 803 583 203 327 841 003 612 107 356 754 905 342 \\  
 825 276 687 304 518 369 268 608  $\alpha^8$  +  
 71 625 767 711 549 617 153 489 488 914 897 993 131 865 833 589 340 089 567 237 890 599 711 955 \\  
 623 324 257 679 888 096 005 456  $\alpha^9$  +  
 88 367 960 287 190 108 805 866 104 380 635 999 594 624 327 061 817 988 805 842 015 782 592 622 \\  
 444 020 860 023 847 592 847 120  $\alpha^{10}$  +  
 96 557 903 950 395 514 065 272 008 858 142 986 140 359 094 329 198 934 968 849 885 456 721 809 \\  
 953 148 612 936 623 699 999 952  $\alpha^{11}$  +  
 94 211 186 515 047 018 135 760 504 853 399 168 486 782 588 507 171 722 901 986 138 556 390 185 \\  
 622 377 224 057 404 014 320 548  $\alpha^{12}$  +  
 82 641 605 133 789 557 151 066 861 755 094 267 409 001 682 207 255 633 870 129 205 199 611 173 \\  
 020 117 290 200 468 944 670 219  $\alpha^{13}$  +  
 65 549 878 312 816 962 525 925 440 880 501 308 474 051 568 911 983 171 322 141 670 184 441 147 \\  
 091 238 416 642 461 693 789 280  $\alpha^{14}$  +  
 47 243 936 922 998 660 006 631 132 740 171 316 879 197 165 188 358 312 764 109 901 907 818 174 \\  
 395 687 944 131 478 418 057 532  $\alpha^{15}$  +  
 31 070 181 214 130 210 984 904 914 877 794 674 194 422 221 150 082 242 955 058 568 482 394 118 \\  
 195 754 846 884 597 058 583 830  $\alpha^{16}$  +  
 18 712 775 844 593 803 839 404 624 480 978 995 635 856 284 779 458 900 283 493 515 003 435 192 \\  
 834 531 068 089 701 286 349 875  $\alpha^{17}$  +  
 10 353 653 871 458 824 976 907 964 292 563 057 750 784 575 508 325 885 503 342 741 488 413 802 \\  
 851 564 866 874 120 876 219 378  $\alpha^{18}$  +  
 5 277 118 694 091 683 443 825 688 444 162 815 086 919 286 661 388 513 912 071 155 979 988 633 \\  
 773 404 949 887 541 218 849 364  $\alpha^{19}$  +  
 2 483 602 197 305 199 855 016 458 726 784 093 971 926 229 134 580 308 964 666 382 965 752 779 \\  
 243 744 228 545 546 173 907 816  $\alpha^{20}$  +  
 1 081 559 701 541 257 642 280 422 281 937 625 417 917 647 425 080 641 176 747 493 456 370 090 \\  
 485 047 576 661 524 676 401 613  $\alpha^{21}$  +  
 436 602 975 837 681 977 080 342 100 229 952 254 505 046 293 510 347 862 755 291 133 159 001 \\  
 544 333 819 109 294 191 170 268  $\alpha^{22}$  +  
 163 633 058 440 371 769 621 345 766 456 493 686 908 707 825 273 164 507 508 543 709 926 350 \\  
 288 456 649 136 363 848 888 972  $\alpha^{23}$  +  
 57 015 170 826 048 130 761 179 975 159 308 333 612 414 357 129 827 952 515 822 670 521 843 862 \\  
 192 418 794 970 879 871 942  $\alpha^{24}$  +  
 18 490 413 076 781 959 623 729 307 385 844 263 618 897 124 033 895 685 488 932 038 300 717 635 \\  
 170 961 924 687 544 452 185  $\alpha^{25}$  +  
 5 586 800 245 071 862 601 639 401 743 468 631 705 384 885 136 516 403 196 055 683 038 526 430 \\  
 566 141 396 591 717 740 474  $\alpha^{26}$  +  
 1 573 949 649 415 007 992 530 222 425 112 001 089 583 054 610 367 362 245 377 382 133 535 659 \\  
 738 977 787 501 385 182 388  $\alpha^{27}$  +  
 413 725 335 660 736 939 813 934 895 361 723 667 666 361 607 328 706 922 383 002 545 030 114 \\  
 650 317 068 601 627 029 368  $\alpha^{28}$  +  
 101 518 307 226 261 121 581 314 182 876 948 931 852 436 939 639 001 746 122 631 418 448 081 \

$677\,963\,315\,668\,803\,835\,180\,\alpha^{29} +$   
 $23\,261\,748\,421\,499\,368\,834\,369\,233\,468\,281\,246\,037\,047\,240\,234\,366\,135\,713\,354\,653\,908\,565\,985\,\backslash$   
 $613\,251\,800\,925\,257\,288\,\alpha^{30} +$   
 $4\,978\,515\,396\,892\,079\,377\,753\,165\,878\,454\,876\,827\,077\,050\,300\,181\,472\,046\,799\,102\,874\,302\,473\,\backslash$   
 $537\,689\,455\,193\,184\,896\,\alpha^{31} +$   
 $995\,291\,975\,634\,106\,259\,169\,885\,367\,816\,509\,178\,268\,612\,191\,284\,757\,951\,505\,158\,759\,862\,785\,\backslash$   
 $674\,394\,728\,630\,484\,704\,\alpha^{32} +$   
 $185\,852\,280\,933\,309\,516\,974\,982\,042\,852\,479\,852\,502\,585\,178\,077\,333\,090\,869\,747\,414\,228\,804\,\backslash$   
 $738\,449\,730\,231\,455\,488\,\alpha^{33} +$   
 $32\,408\,949\,289\,955\,036\,898\,439\,782\,683\,909\,496\,262\,569\,838\,556\,934\,018\,631\,148\,254\,091\,396\,822\,\backslash$   
 $351\,668\,923\,330\,048\,\alpha^{34} +$   
 $5\,275\,850\,763\,124\,670\,770\,911\,123\,562\,984\,469\,075\,881\,132\,217\,839\,562\,006\,385\,632\,820\,348\,065\,\backslash$   
 $761\,914\,757\,213\,440\,\alpha^{35} +$   
 $801\,377\,368\,453\,717\,124\,954\,858\,982\,044\,518\,320\,305\,779\,367\,382\,023\,314\,724\,307\,356\,447\,488\,\backslash$   
 $668\,553\,713\,358\,848\,\alpha^{36} +$   
 $113\,505\,726\,485\,668\,580\,068\,653\,688\,767\,531\,097\,705\,721\,510\,840\,692\,337\,435\,836\,771\,178\,016\,\backslash$   
 $840\,443\,647\,309\,824\,\alpha^{37} +$   
 $14\,978\,978\,065\,584\,043\,077\,074\,524\,837\,012\,876\,018\,239\,456\,681\,452\,452\,781\,373\,196\,106\,241\,583\,\backslash$   
 $586\,169\,409\,536\,\alpha^{38} +$   
 $1\,839\,929\,247\,097\,765\,675\,318\,217\,640\,781\,094\,055\,190\,749\,779\,680\,710\,640\,674\,547\,031\,148\,784\,\backslash$   
 $827\,313\,913\,856\,\alpha^{39} +$   
 $210\,117\,411\,078\,936\,784\,065\,458\,949\,261\,577\,006\,869\,690\,932\,834\,810\,461\,210\,753\,473\,723\,704\,\backslash$   
 $312\,557\,584\,384\,\alpha^{40} +$   
 $22\,277\,212\,542\,506\,278\,172\,894\,762\,764\,301\,621\,156\,709\,645\,904\,551\,023\,768\,260\,996\,059\,938\,349\,\backslash$   
 $176\,389\,632\,\alpha^{41} +$   
 $2\,189\,231\,962\,382\,840\,738\,871\,773\,761\,625\,457\,539\,197\,879\,538\,652\,651\,500\,287\,675\,154\,019\,821\,\backslash$   
 $100\,859\,392\,\alpha^{42} +$   
 $199\,037\,482\,571\,784\,754\,850\,960\,405\,638\,919\,817\,852\,840\,268\,791\,228\,294\,923\,411\,187\,155\,608\,\backslash$   
 $398\,594\,048\,\alpha^{43} +$   
 $16\,704\,766\,608\,663\,658\,322\,132\,838\,861\,232\,055\,209\,660\,955\,708\,632\,636\,353\,088\,492\,303\,341\,259\,\backslash$   
 $849\,728\,\alpha^{44} +$   
 $1\,290\,950\,488\,274\,410\,604\,875\,843\,936\,180\,988\,891\,624\,908\,131\,615\,982\,200\,603\,037\,327\,317\,620\,\backslash$   
 $490\,240\,\alpha^{45} +$   
 $91\,594\,651\,157\,398\,317\,890\,940\,664\,825\,164\,478\,469\,289\,064\,471\,329\,326\,313\,447\,789\,150\,085\,840\,\backslash$   
 $896\,\alpha^{46} +$   
 $5\,946\,280\,163\,779\,137\,827\,913\,635\,301\,502\,948\,149\,534\,430\,739\,718\,487\,720\,147\,492\,025\,596\,379\,\backslash$   
 $136\,\alpha^{47} +$   
 $351\,815\,291\,074\,727\,418\,664\,128\,855\,044\,619\,378\,198\,062\,611\,284\,983\,715\,981\,830\,910\,161\,977\,344\,$   
 $\alpha^{48} +$   
 $18\,882\,601\,015\,490\,796\,818\,251\,744\,707\,060\,259\,348\,032\,694\,178\,599\,792\,452\,349\,916\,803\,497\,984\,$   
 $\alpha^{49} +$   
 $914\,336\,771\,691\,933\,124\,176\,908\,350\,624\,151\,284\,836\,524\,565\,442\,621\,703\,022\,271\,185\,027\,072\,$   
 $\alpha^{50} +$   
 $39\,683\,554\,623\,524\,130\,611\,053\,847\,342\,670\,583\,254\,550\,232\,315\,511\,774\,370\,185\,401\,597\,952\,\alpha^{51} +$   
 $1\,531\,626\,101\,467\,230\,283\,272\,699\,249\,641\,686\,858\,472\,499\,904\,649\,182\,512\,712\,230\,371\,328\,\alpha^{52} +$   
 $52\,064\,657\,453\,975\,701\,008\,421\,660\,247\,933\,598\,057\,239\,714\,898\,136\,418\,136\,147\,099\,648\,\alpha^{53} +$   
 $1\,540\,121\,132\,489\,721\,060\,172\,296\,970\,833\,634\,008\,666\,839\,151\,561\,497\,425\,741\,873\,152\,\alpha^{54} +$   
 $39\,040\,140\,745\,707\,911\,514\,215\,333\,185\,642\,613\,280\,980\,531\,991\,198\,210\,906\,390\,528\,\alpha^{55} +$   
 $831\,025\,411\,732\,381\,629\,844\,677\,880\,991\,084\,918\,763\,355\,572\,846\,379\,004\,854\,272\,\alpha^{56} +$   
 $14\,447\,089\,608\,827\,128\,572\,684\,249\,116\,761\,624\,972\,645\,597\,258\,138\,785\,939\,456\,\alpha^{57} +$   
 $196\,982\,090\,437\,860\,164\,230\,369\,210\,349\,942\,303\,157\,025\,710\,699\,158\,962\,176\,\alpha^{58} +$   
 $1\,975\,448\,505\,205\,205\,173\,182\,215\,268\,444\,525\,750\,424\,857\,701\,850\,808\,320\,\alpha^{59} +$   
 $12\,956\,302\,273\,280\,491\,059\,558\,459\,199\,355\,293\,118\,093\,579\,287\,265\,280\,\alpha^{60} +$   
 $41\,693\,267\,736\,487\,750\,447\,364\,306\,758\,090\,724\,124\,682\,459\,545\,600\,\alpha^{61}) \text{ Seq}[8 + \alpha];$