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(* Appendix 4: 99 Tuple Images From 8-tuples of Experimental Numbers *)
(* Copyright May 4, 2006 Doug Youvan www.youvan.com and www.pseudocolor.com *)

For[loop = 1, loop < 100, loop++,

  bckrow = .;
  bckcol = .;
  sum = .;
  gsum = .;
  canvas = 562;

  bckrow = Table[{x, y}, {x, 1, canvas}, {y, 1, canvas}];
  bckcol = Table[{x, y}, {x, 1, canvas}, {y, 1, canvas}];

  bckrow[[All, All]] = {0.0, 0.0, 0.0};
  bckcol[[All, All]] = {0.0, 0.0, 0.0};

  (* From experimentation:
     tup=Tuples[{-1., -0.75, -0.5, 0.0, 0.0, 0.5, 0.75, 1.},3];
     nice symmetry, triangles, detail,needs more black
     tup=Tuples[{-0.5, -0.50, 0.0, 0.0, 0.25, 0.25, 0.5, 0.5},3];
     very nice in triangle to square transition, too much of the image is colored
  *)

  (* Combined from above experiment,
     7 random numbers in 7 different low and high ranges with one zero *)
  a = Random[Real, {-1.0, -0.5}, 4];
  b = Random[Real, {-0.75, -0.5}, 4];
  c = Random[Real, {-0.5, 0.0}, 4];
  d = 0;
  e = Random[Real, {0, 0.25}, 4];
  f = Random[Real, {0.25, 0.5}, 4];
  g = Random[Real, {0.5, 0.75}, 4];
  h = Random[Real, {0.5, 1}, 4];
  tup = Tuples[{a, b, c, d, e, f, g, h}, 3];

  Print[loop, " ", a, " ", b, " ",
        c, " ", d, " ", e, " ", f, " ", g, " ", h];

  For[j = 1, j ≤ 512, j++, bckcol[[All, j]] = tup[[j]]];
  For[i = 1, i ≤ 512, i++, bckrow[[i, All]] = tup[[i]]];

  sum = bckrow + bckcol;

  (* zeros all triplet values if any emelent is less than zero or greater than 1 *)

  For[i = 1, i ≤ canvas, i++, For[j = 1, j ≤ canvas, j++, For[c = 1, c ≤ 3, c++,
    If[(0 > sum[[i, j, c]]) || (sum[[i, j, c]] > 1), sum[[i, j, All]] = 0] ]]];

  gsum = Graphics[RasterArray[Apply[RGBColor, sum, {2}]],
    AspectRatio → error, ImageSize → {532, 532}];
  (* intentional error to get image size and aspect ratio

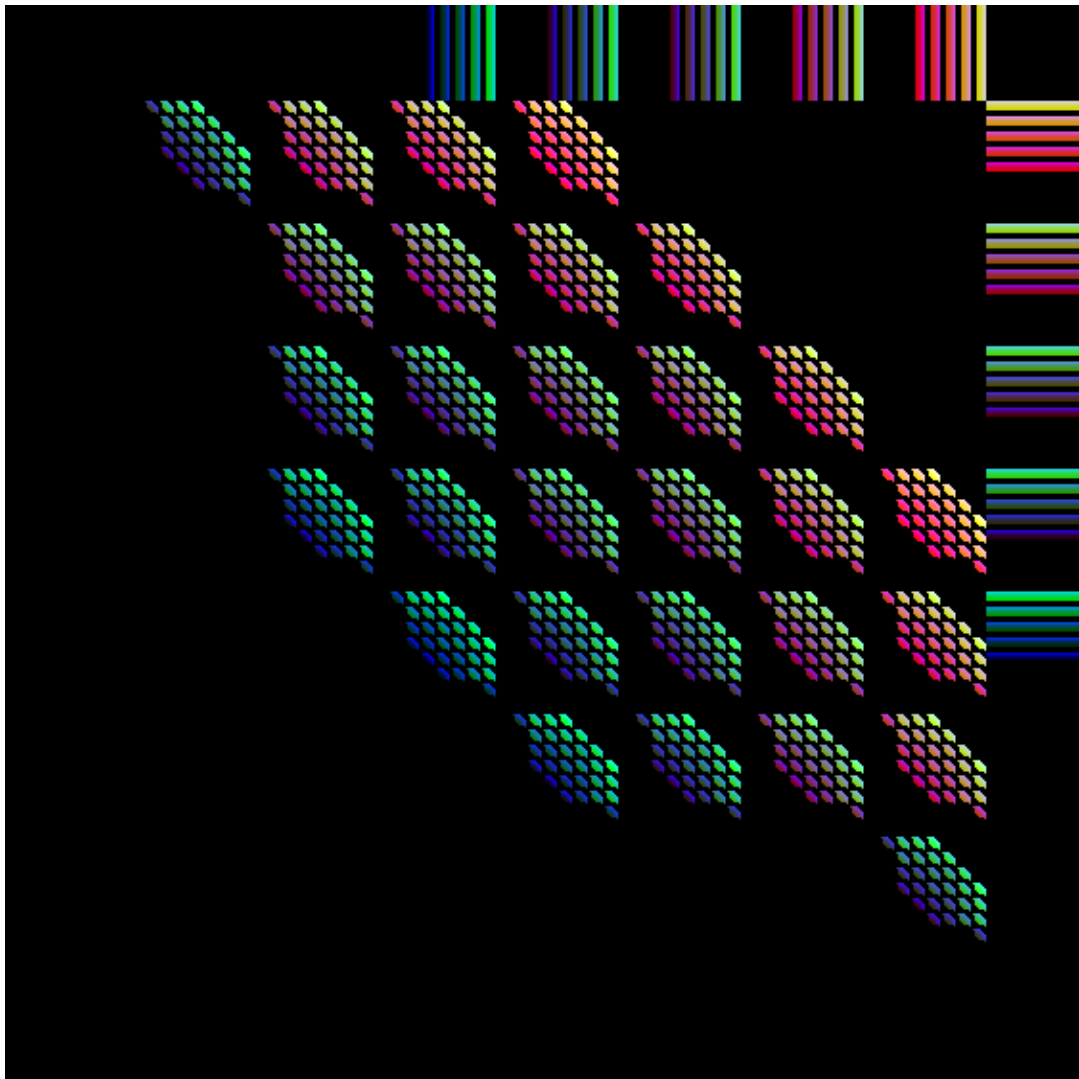
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correct in both the displayed and exported images *)

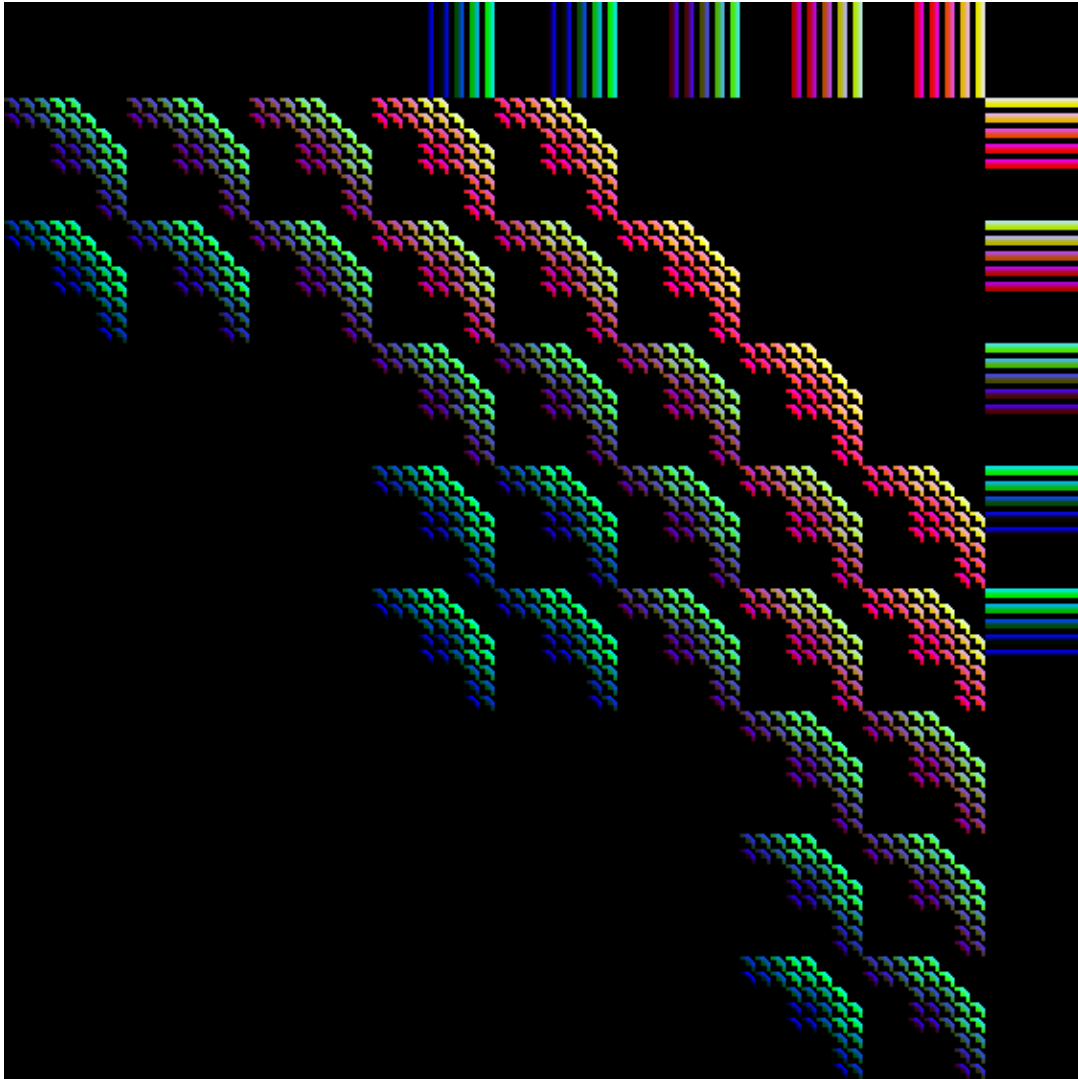
```
Show[gsum];
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] (* end big loop *)
```

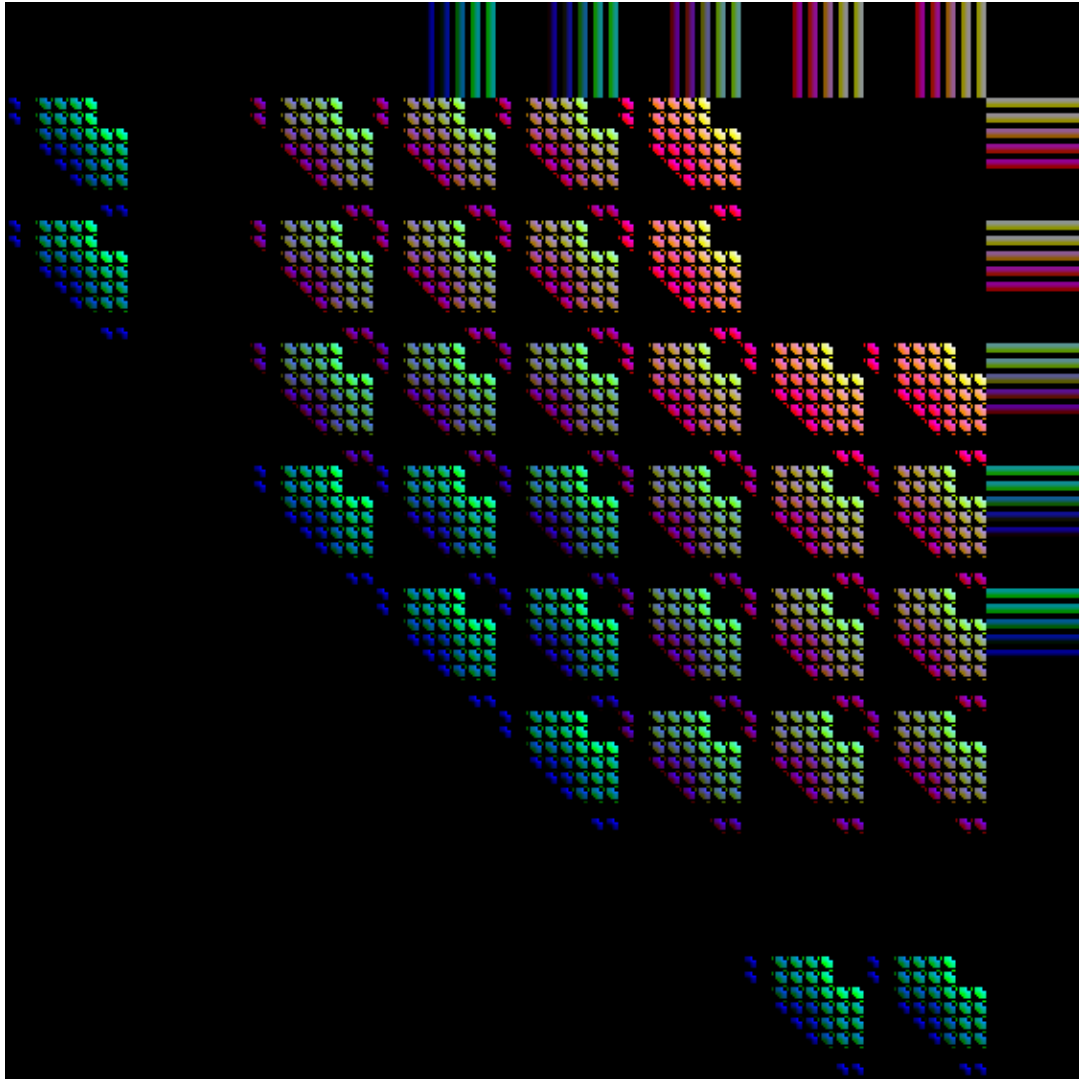
```
1  -0.9929  -0.5842  -0.08823  0  0.1816  0.3041  0.5641  0.8170
```



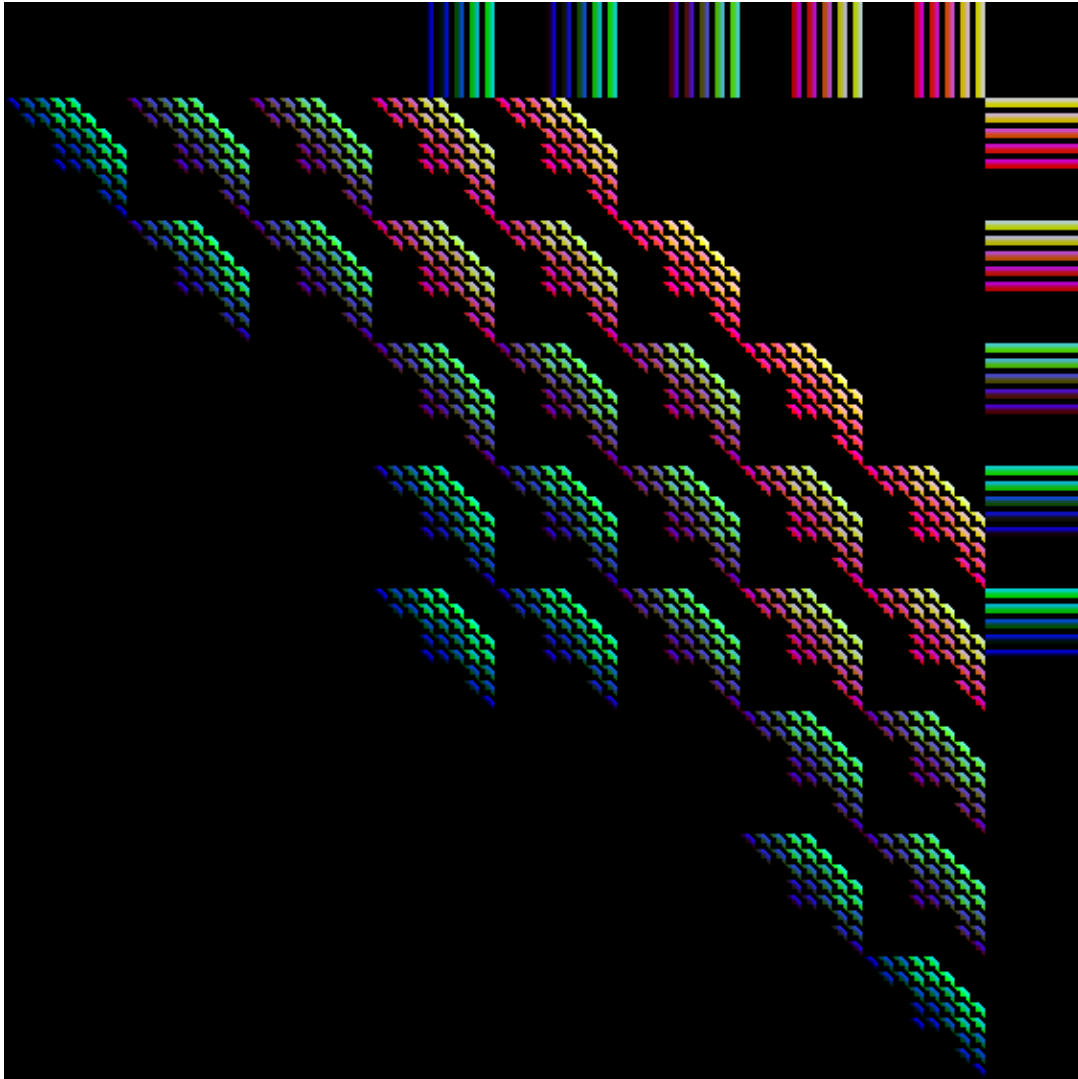
```
2  -0.6828  -0.5660  -0.3685  0  0.04456  0.2955  0.7016  0.8877
```



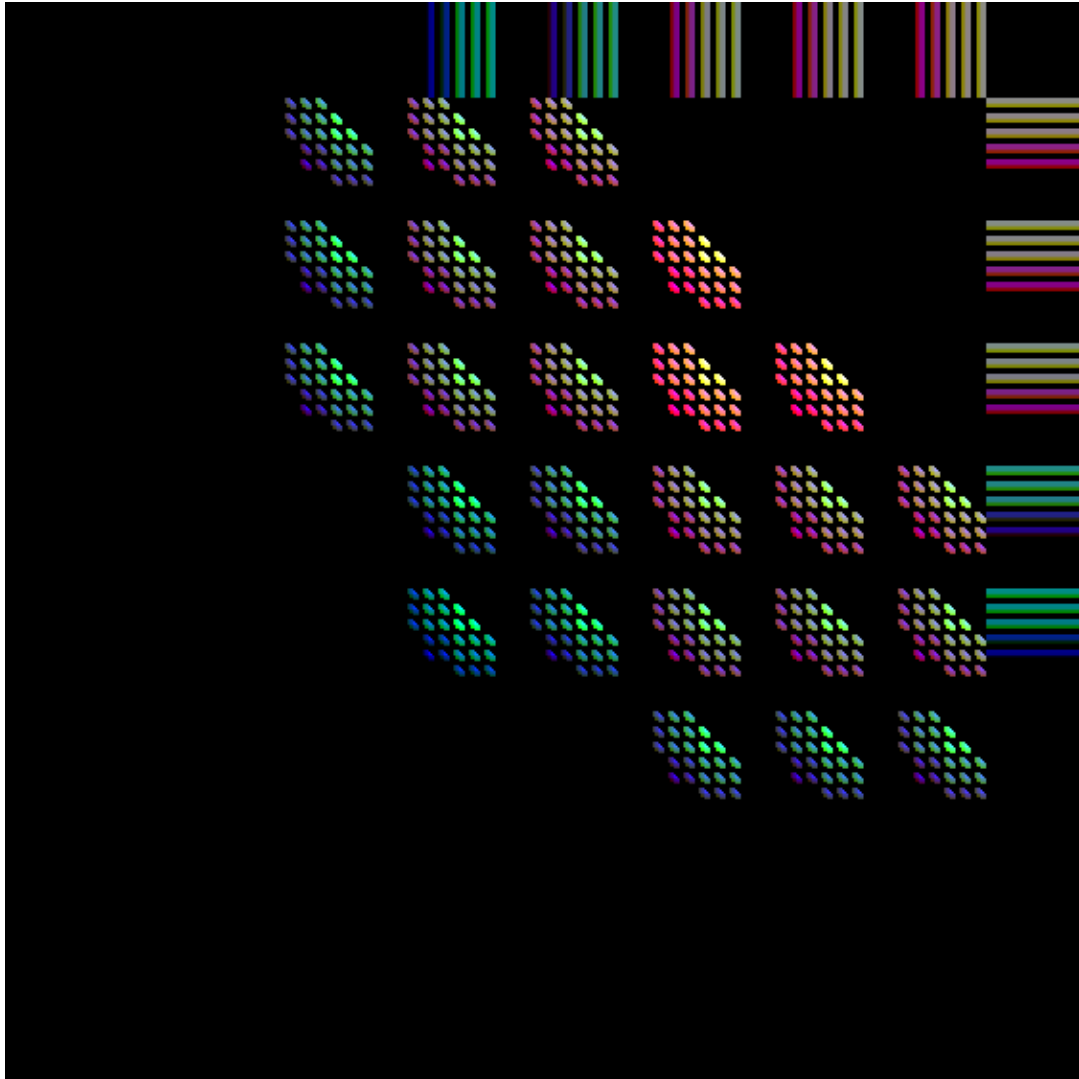
3 -0.5509 -0.6764 -0.08611 0 0.08713 0.3716 0.5530 0.5712



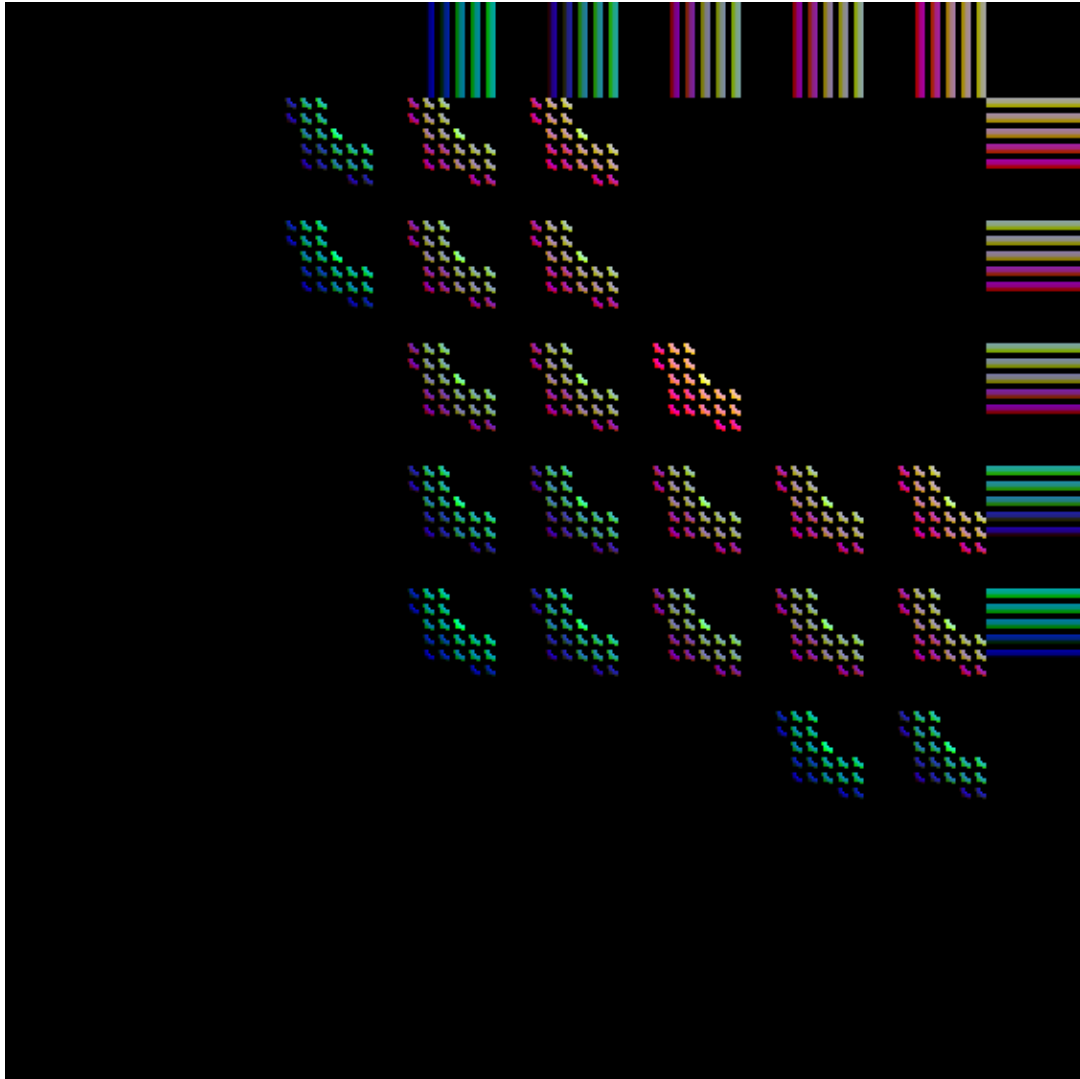
4 -0.8070 -0.5470 -0.4285 0 0.07916 0.3068 0.6994 0.8056



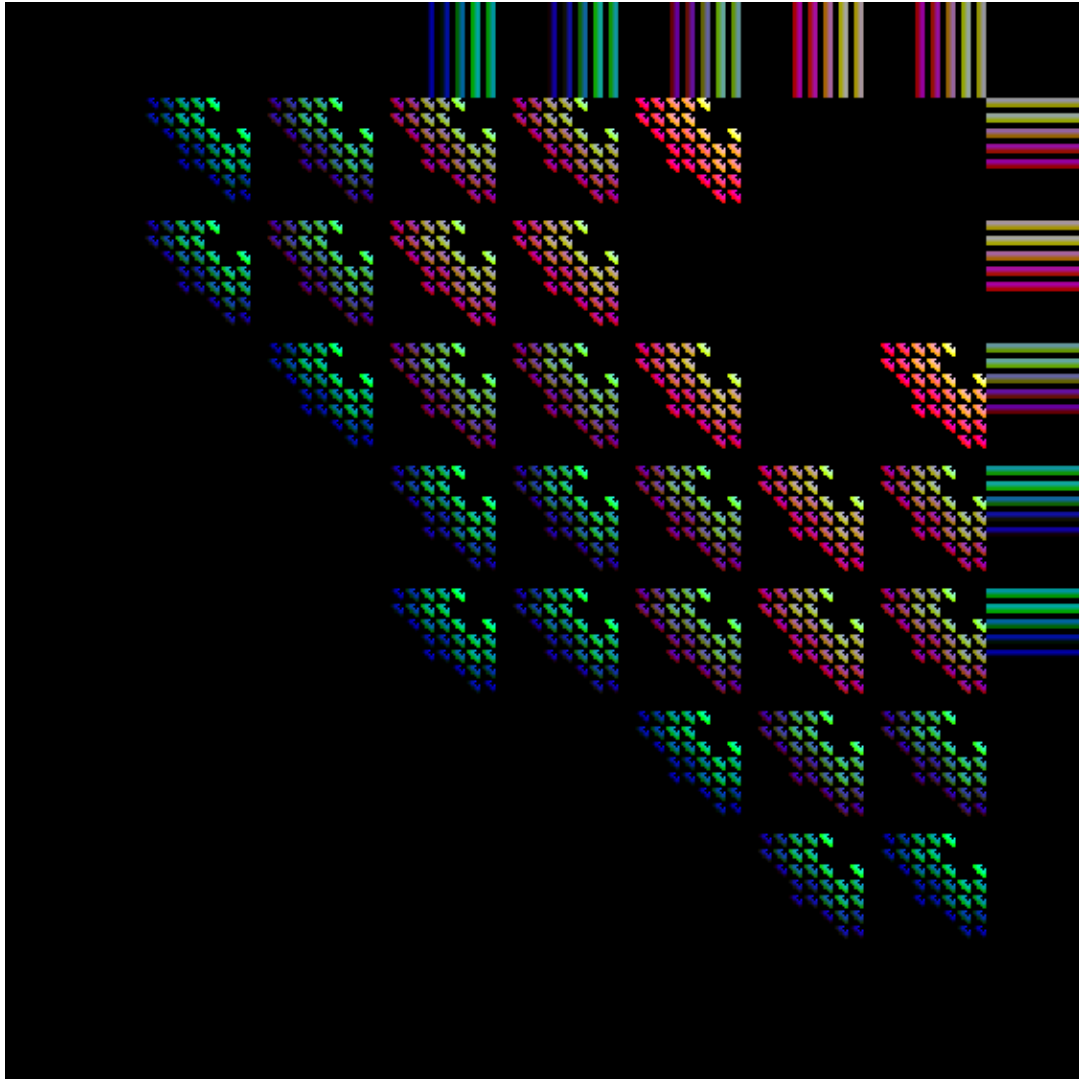
5 -0.5828 -0.6891 -0.2655 0 0.1352 0.4895 0.5122 0.5481



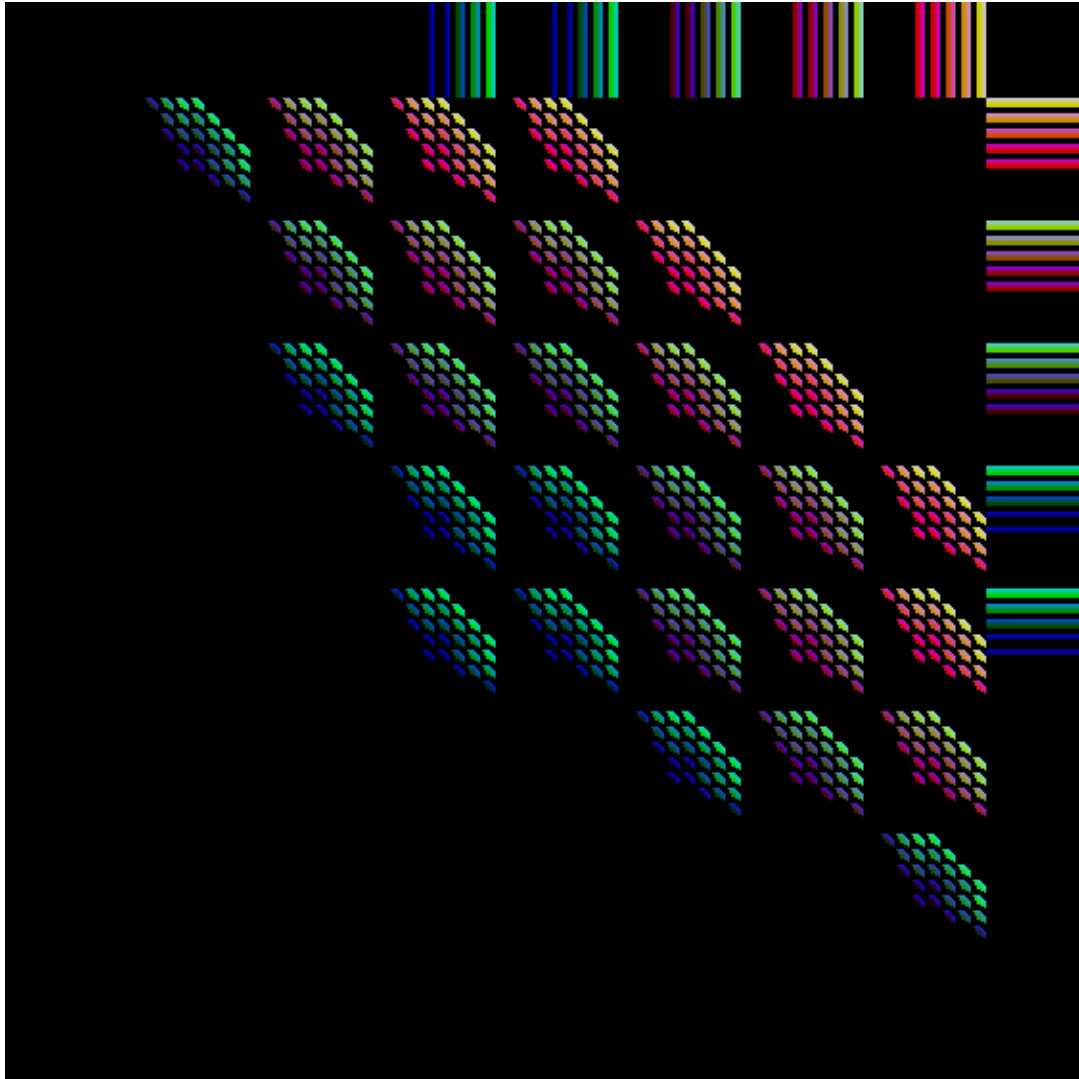
6 -0.7144 -0.7091 -0.4950 0 0.1327 0.4740 0.5455 0.6376



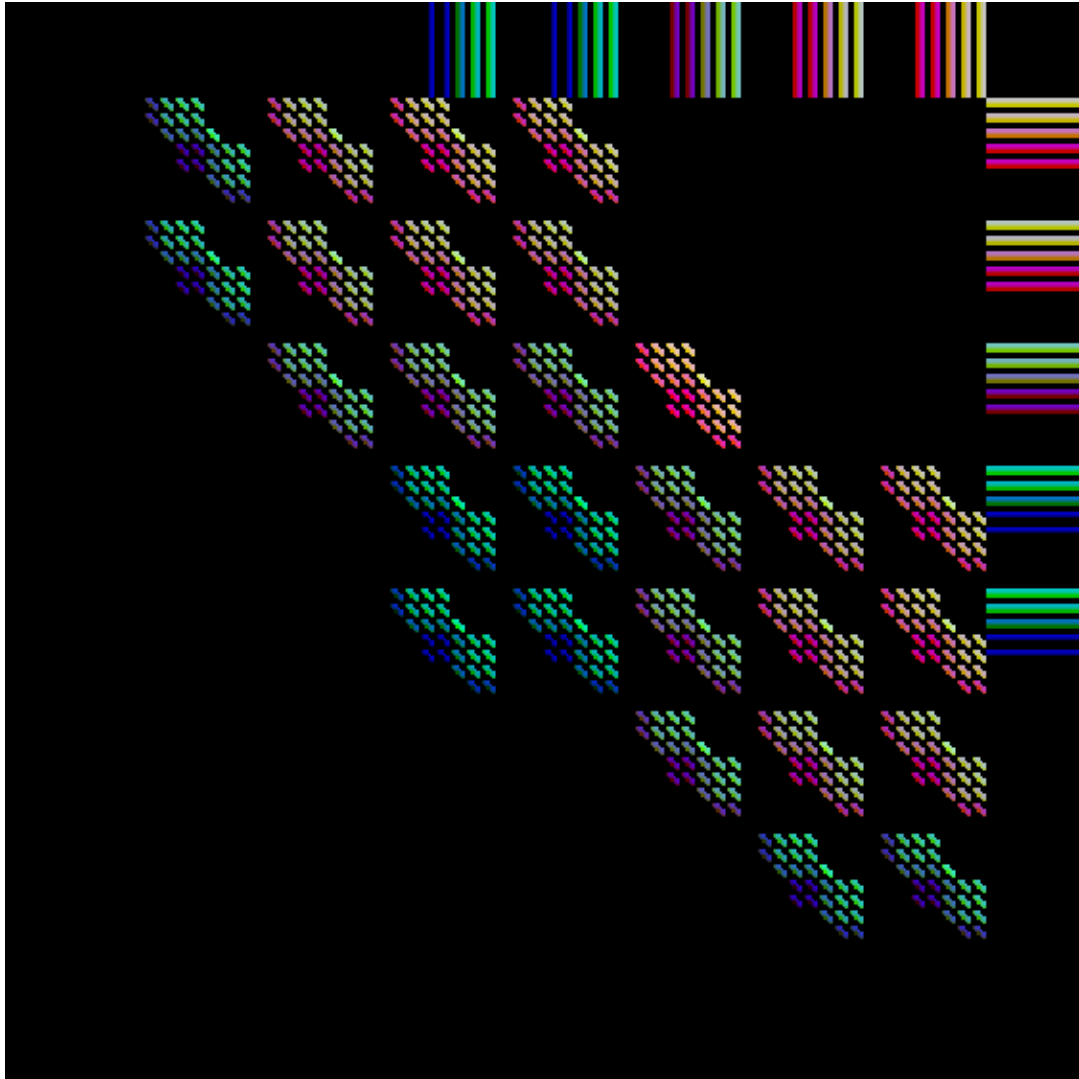
7 -0.6828 -0.5756 -0.3794 0 0.06532 0.3960 0.6558 0.5853



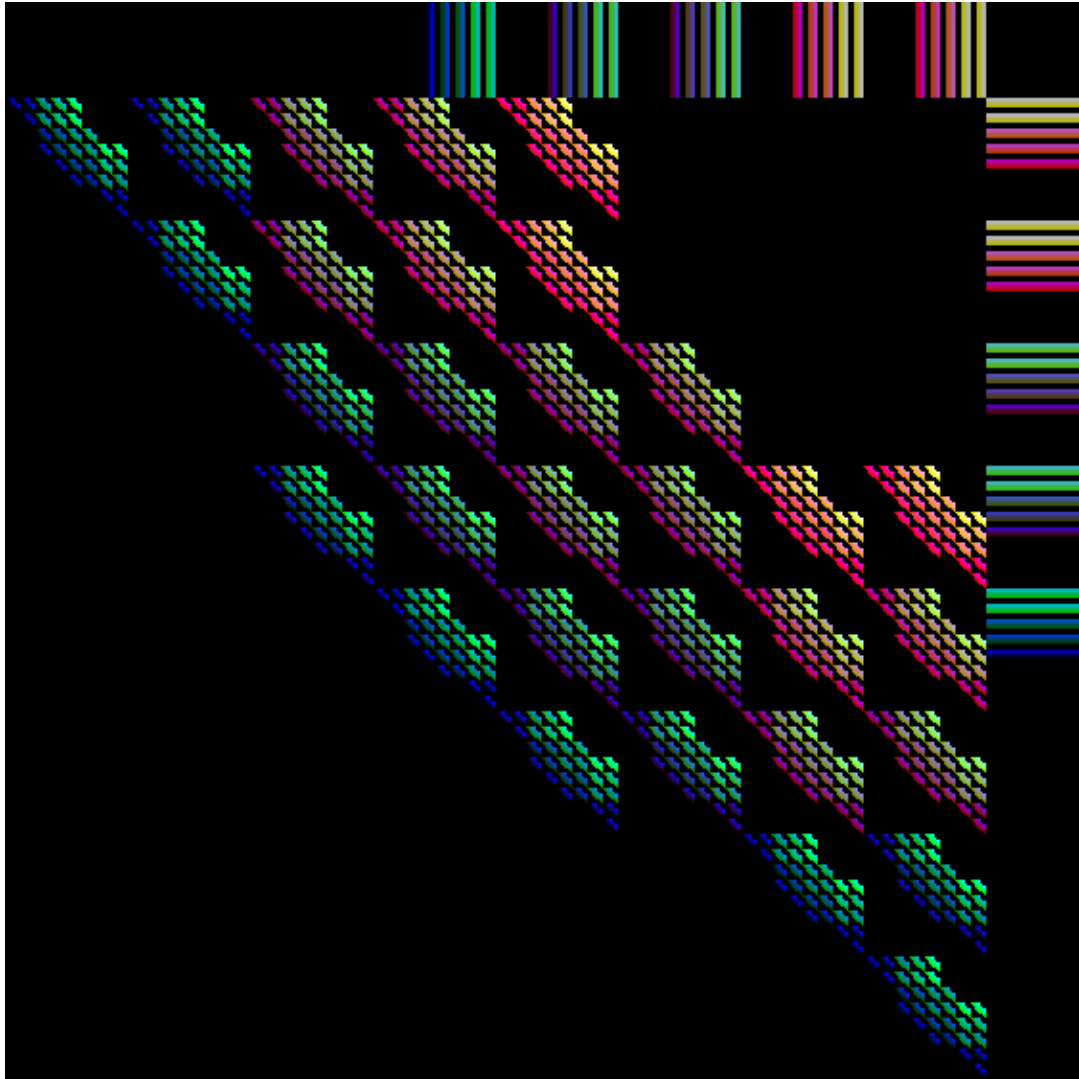
8 -0.9586 -0.6865 -0.2406 0 0.01664 0.2863 0.5314 0.8121



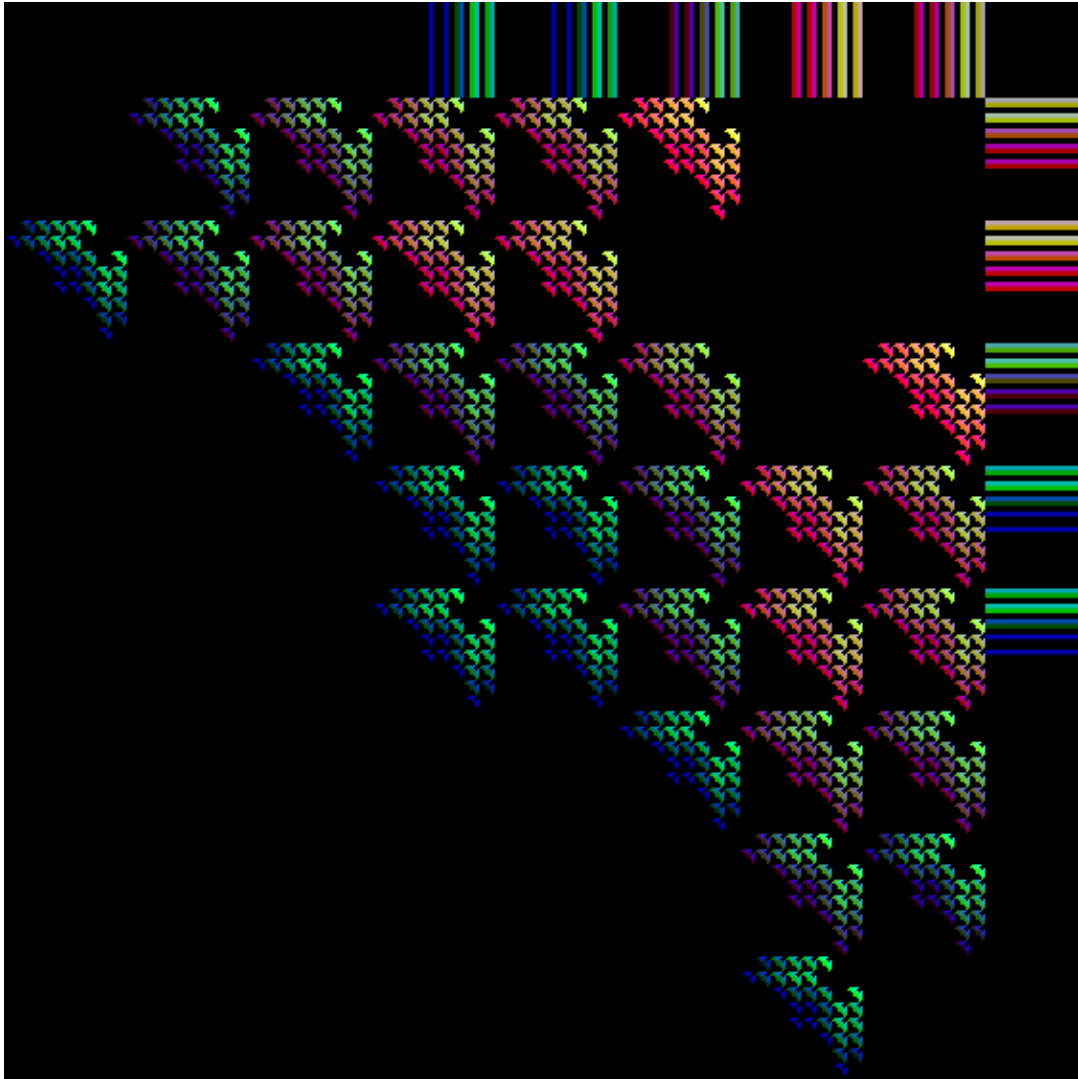
9 -0.8918 -0.5282 -0.09895 0 0.004051 0.4507 0.7002 0.7651



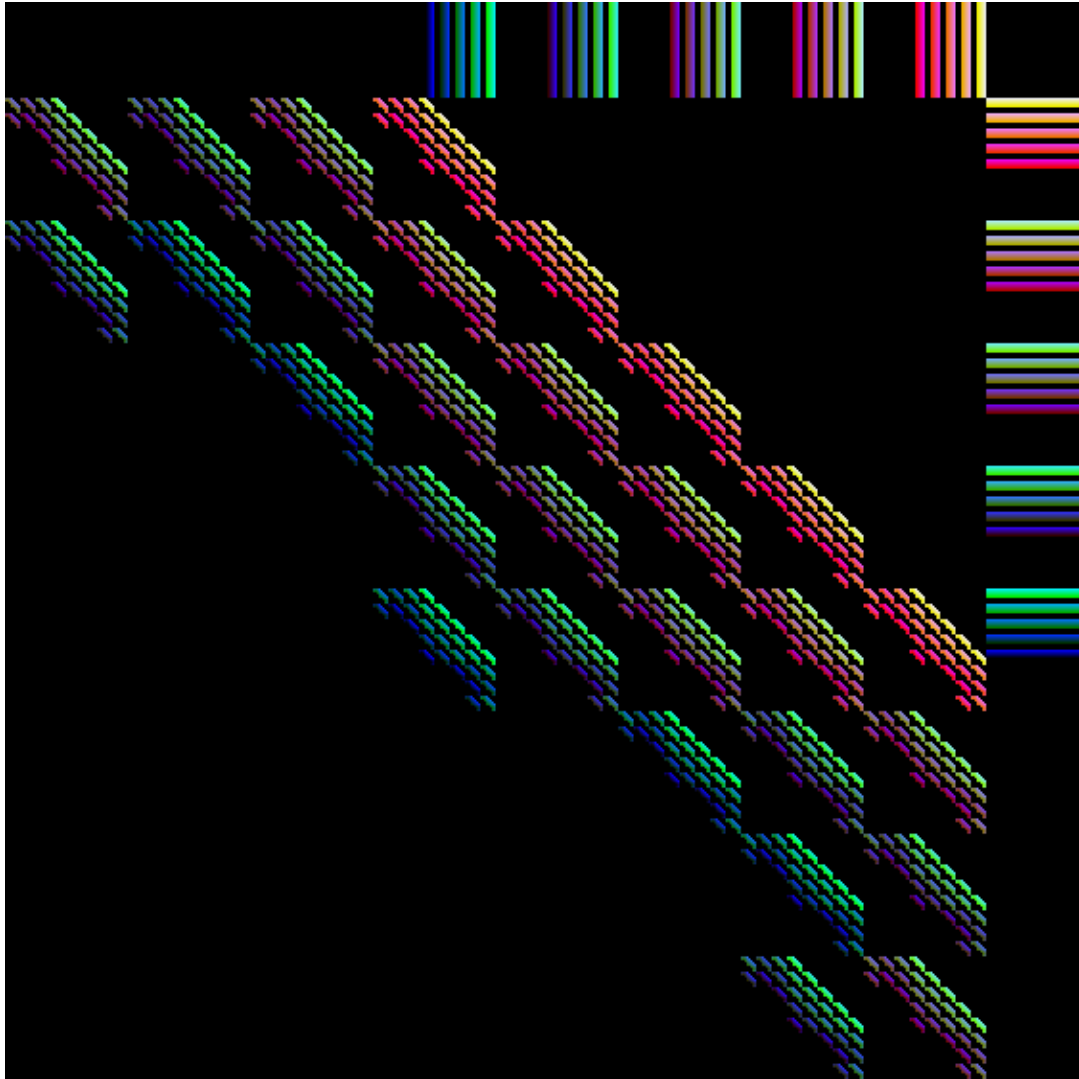
10 -0.7245 -0.6630 -0.1757 0 0.2346 0.3270 0.6880 0.7089



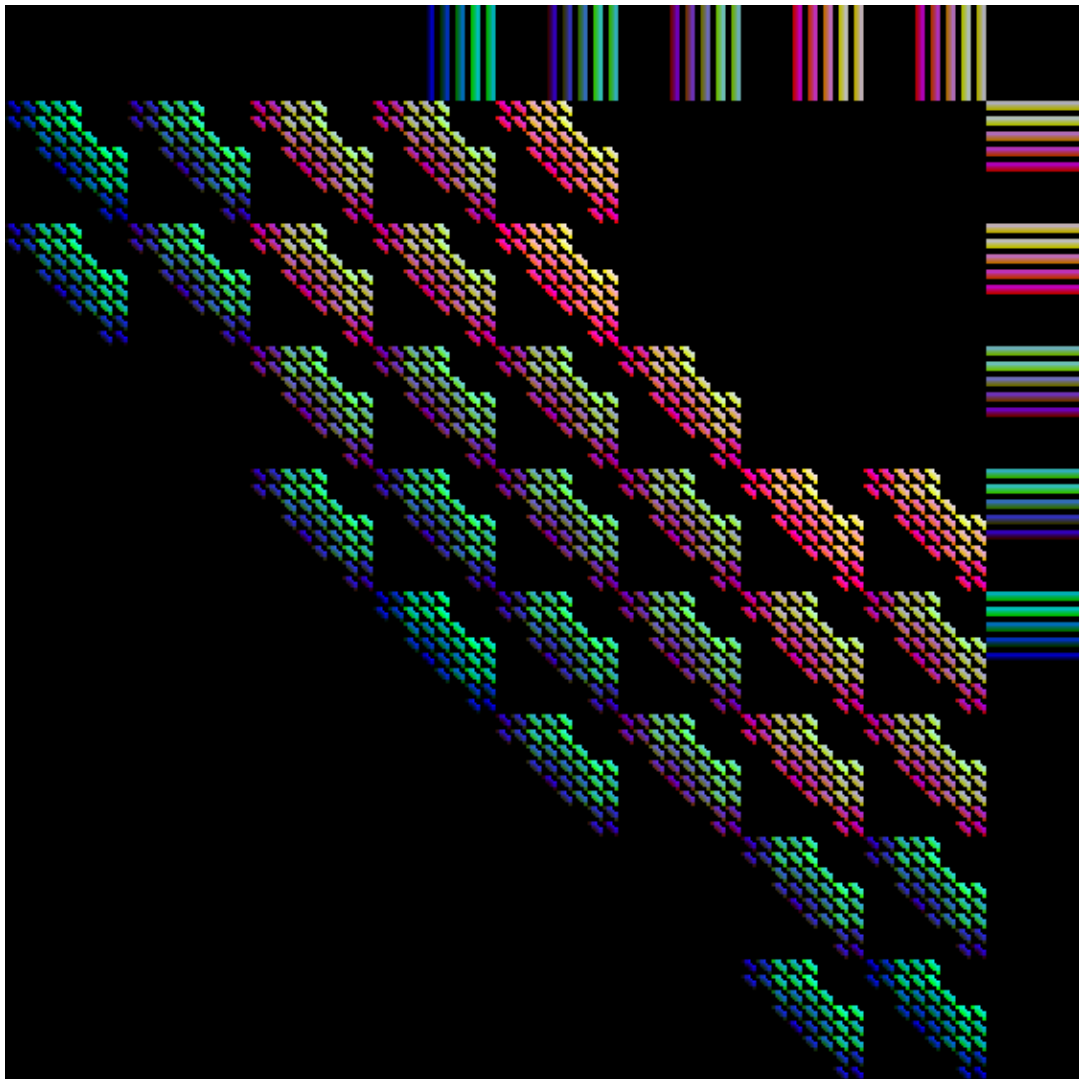
11 -0.7453 -0.5154 -0.2774 0 0.01413 0.2958 0.7398 0.6544



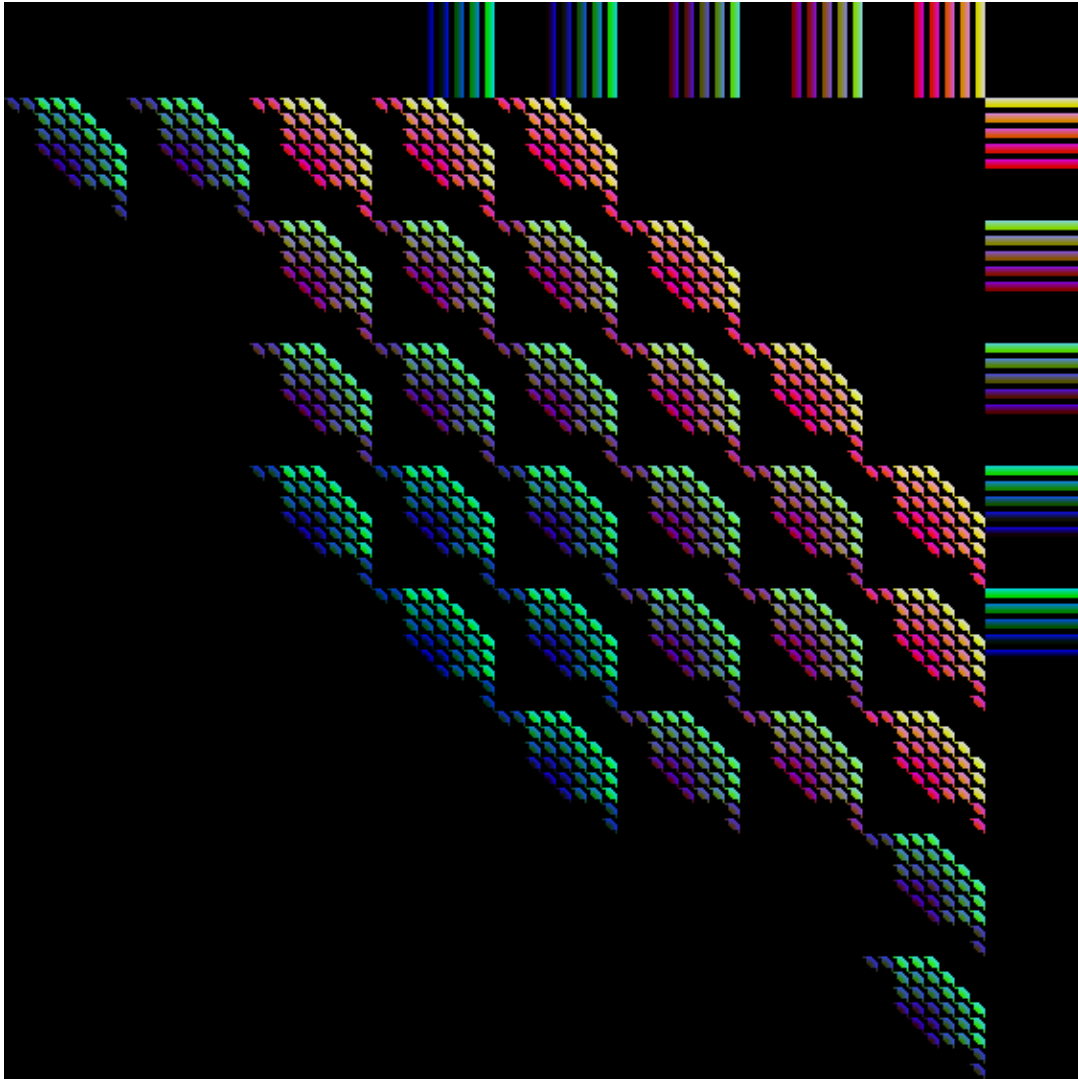
12 -0.5018 -0.6214 -0.4124 0 0.2064 0.4497 0.6748 0.9223



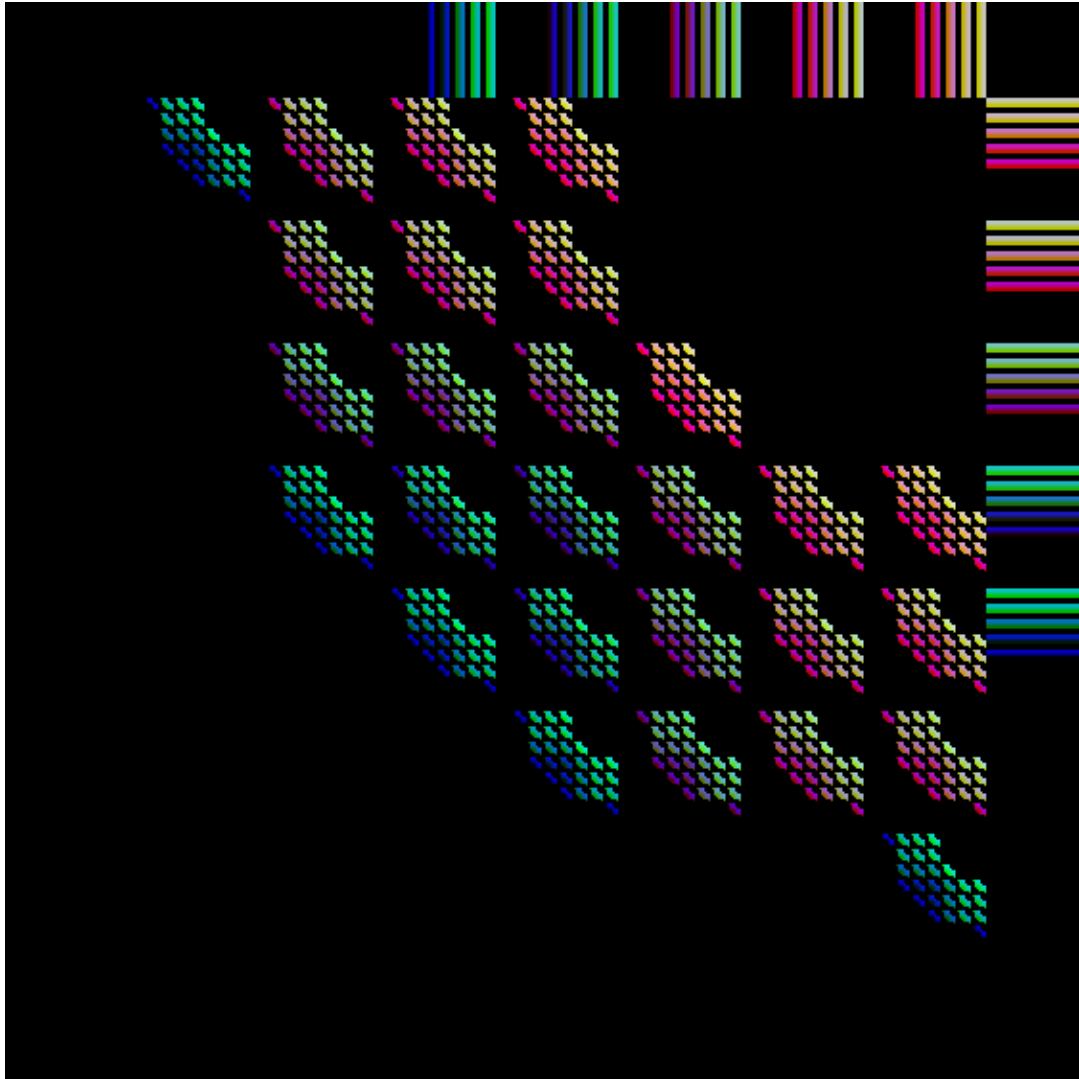
13 -0.6700 -0.5230 -0.02617 0 0.2038 0.4105 0.7362 0.6830



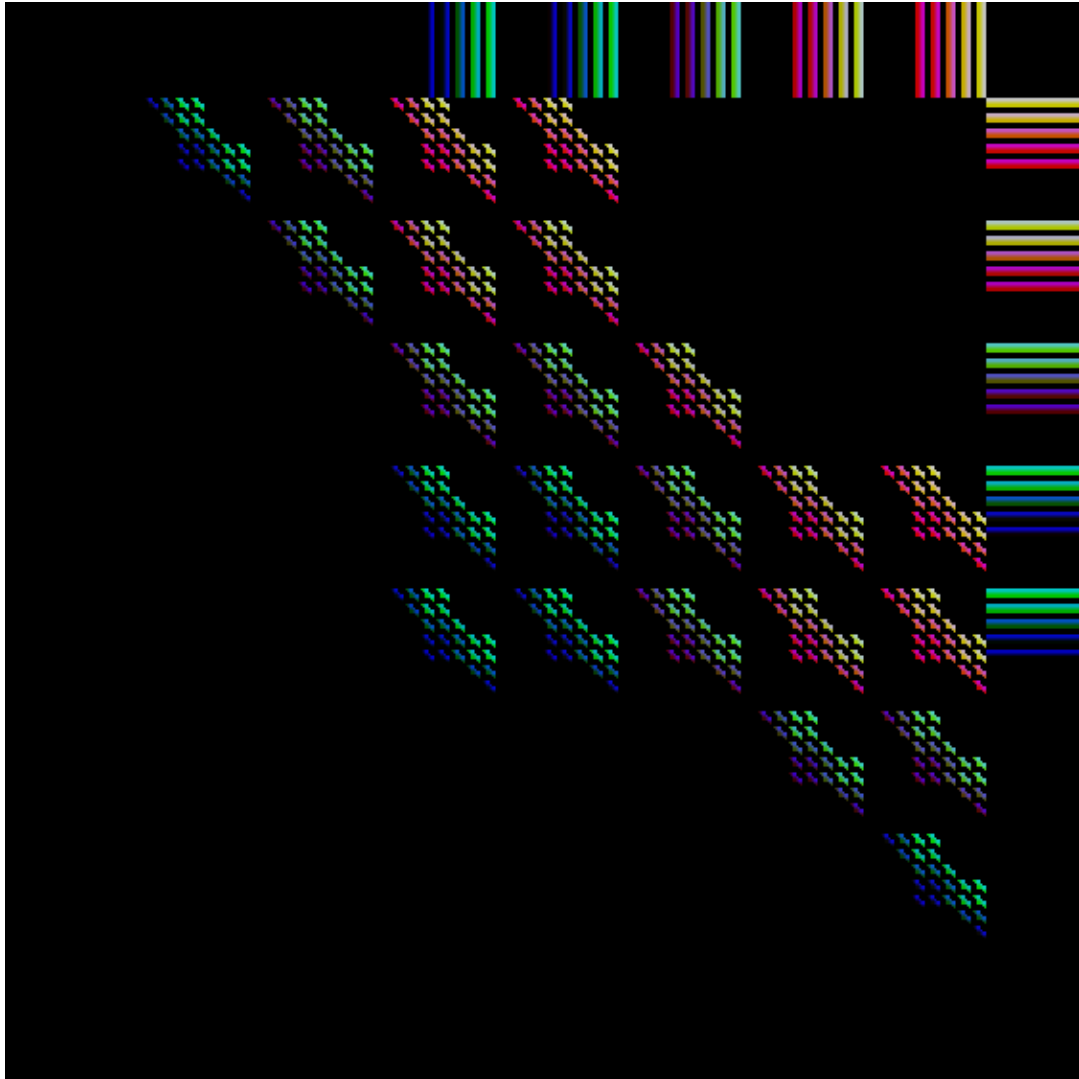
14 -0.6265 -0.5486 -0.003944 0 0.07891 0.3349 0.5209 0.8240



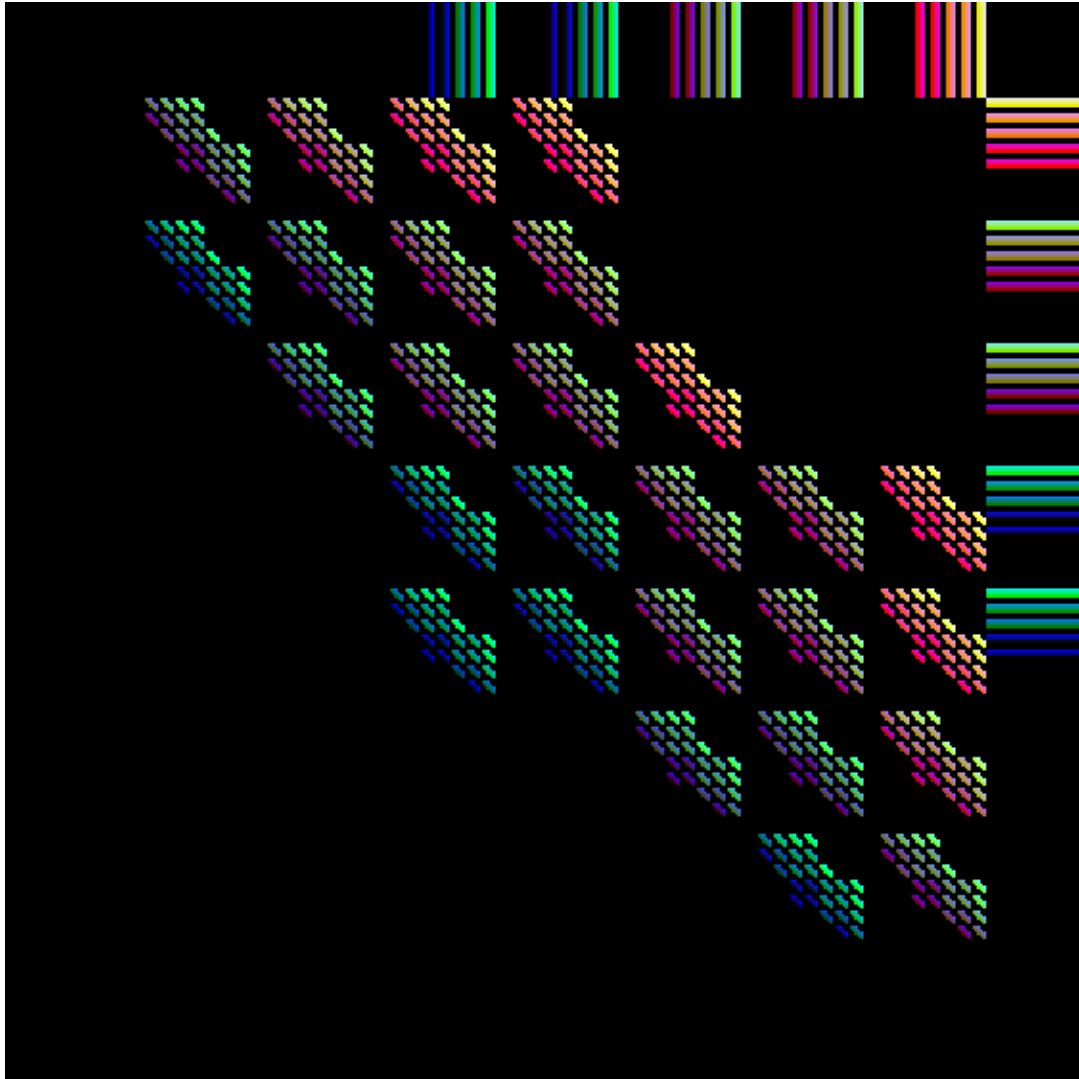
15 -0.9143 -0.7319 -0.08895 0 0.09682 0.4456 0.6968 0.7599



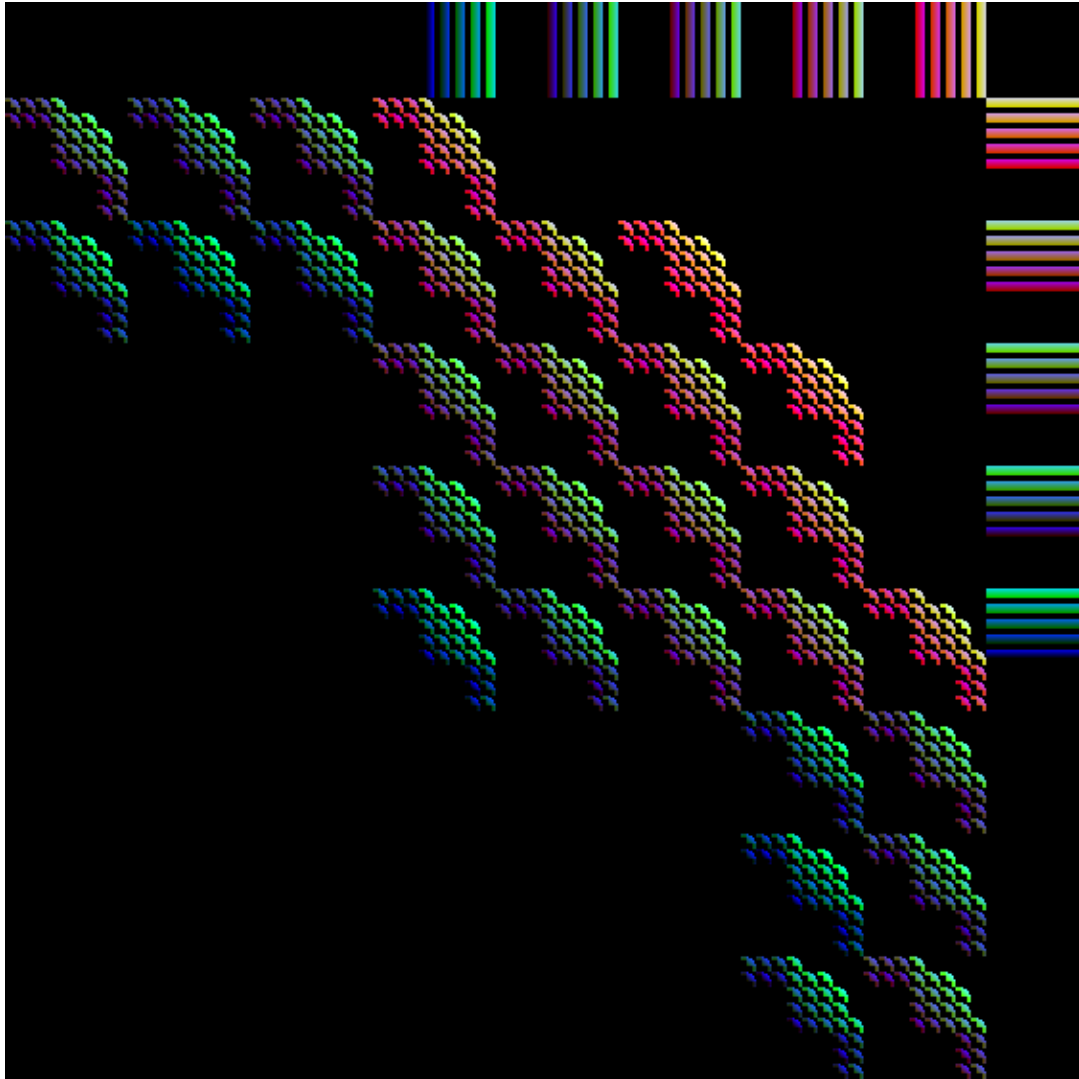
16 -0.9604 -0.7003 -0.4346 0 0.03188 0.3379 0.6809 0.7559



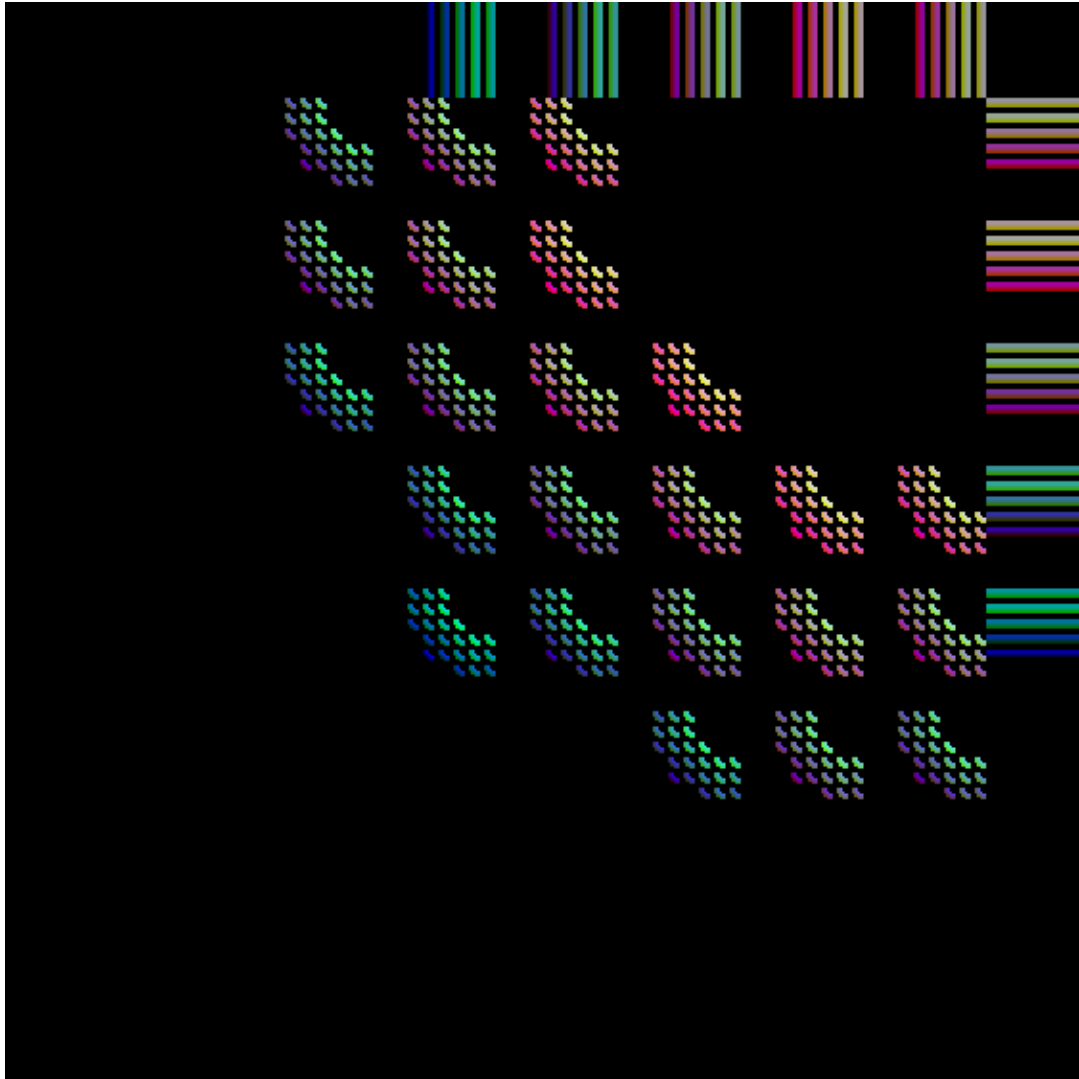
17 -0.9821 -0.5143 -0.2344 0 0.05722 0.4942 0.5736 0.9293



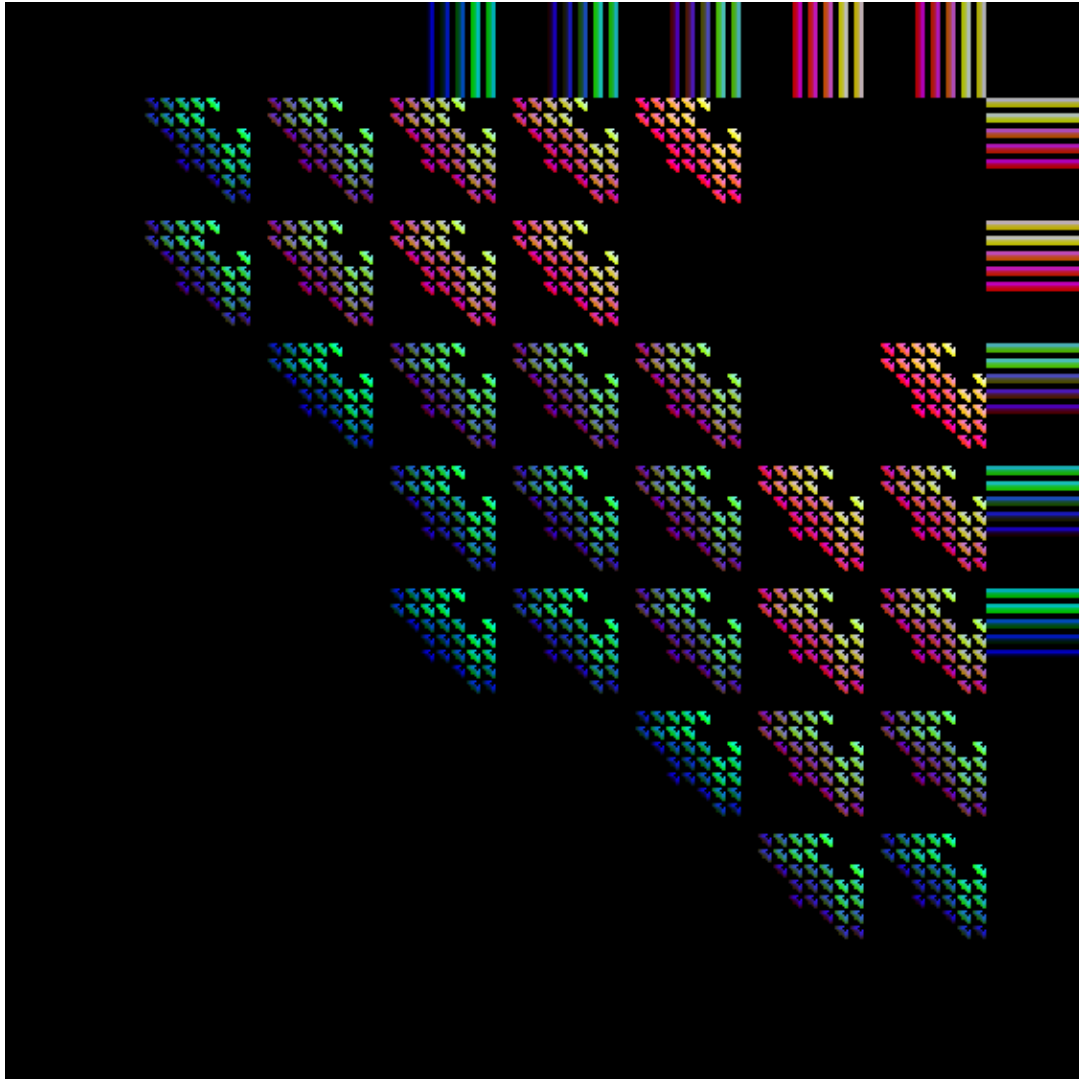
18 -0.5009 -0.6089 -0.4950 0 0.2072 0.3765 0.5978 0.8305



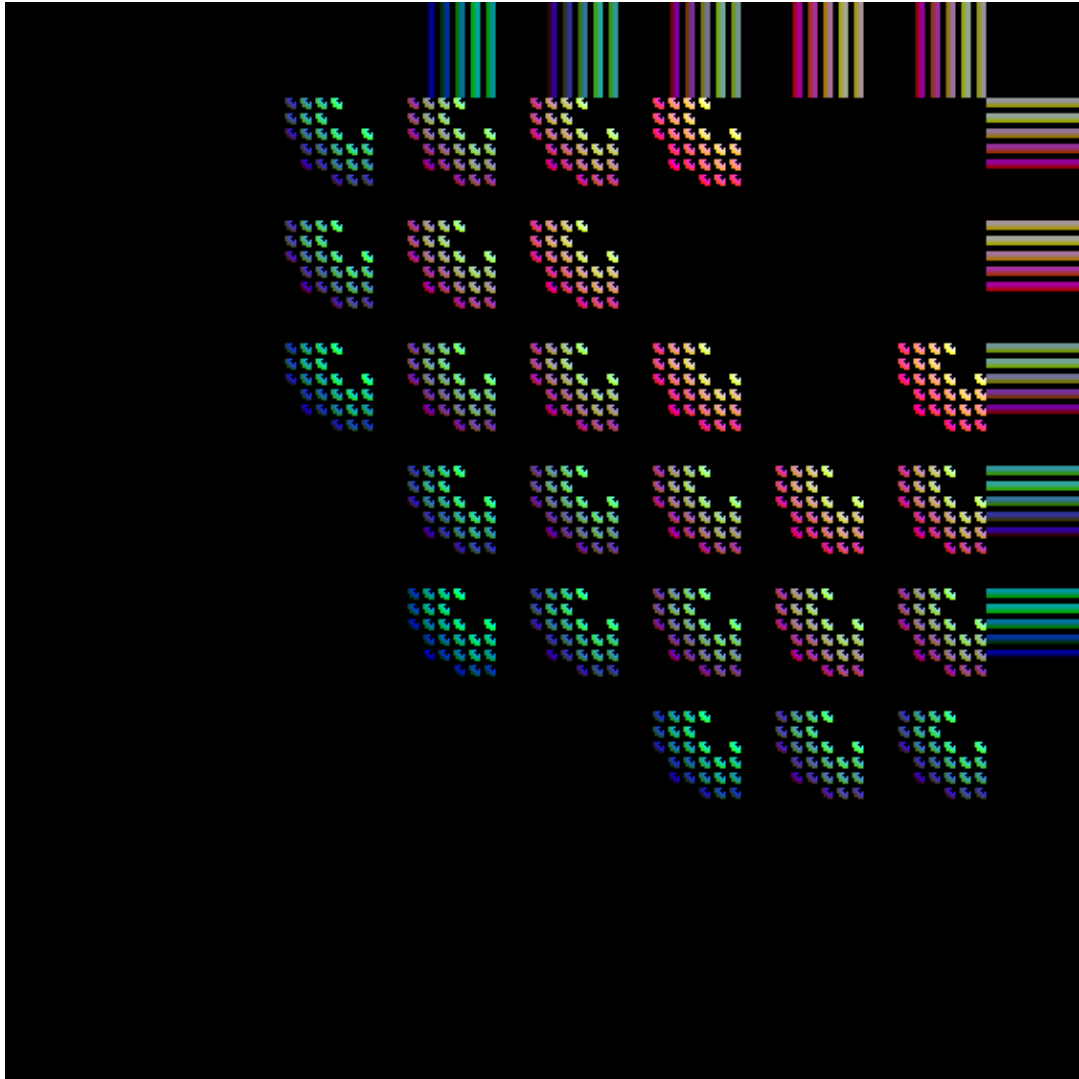
19 -0.9777 -0.7403 -0.2413 0 0.2142 0.4432 0.6559 0.5920



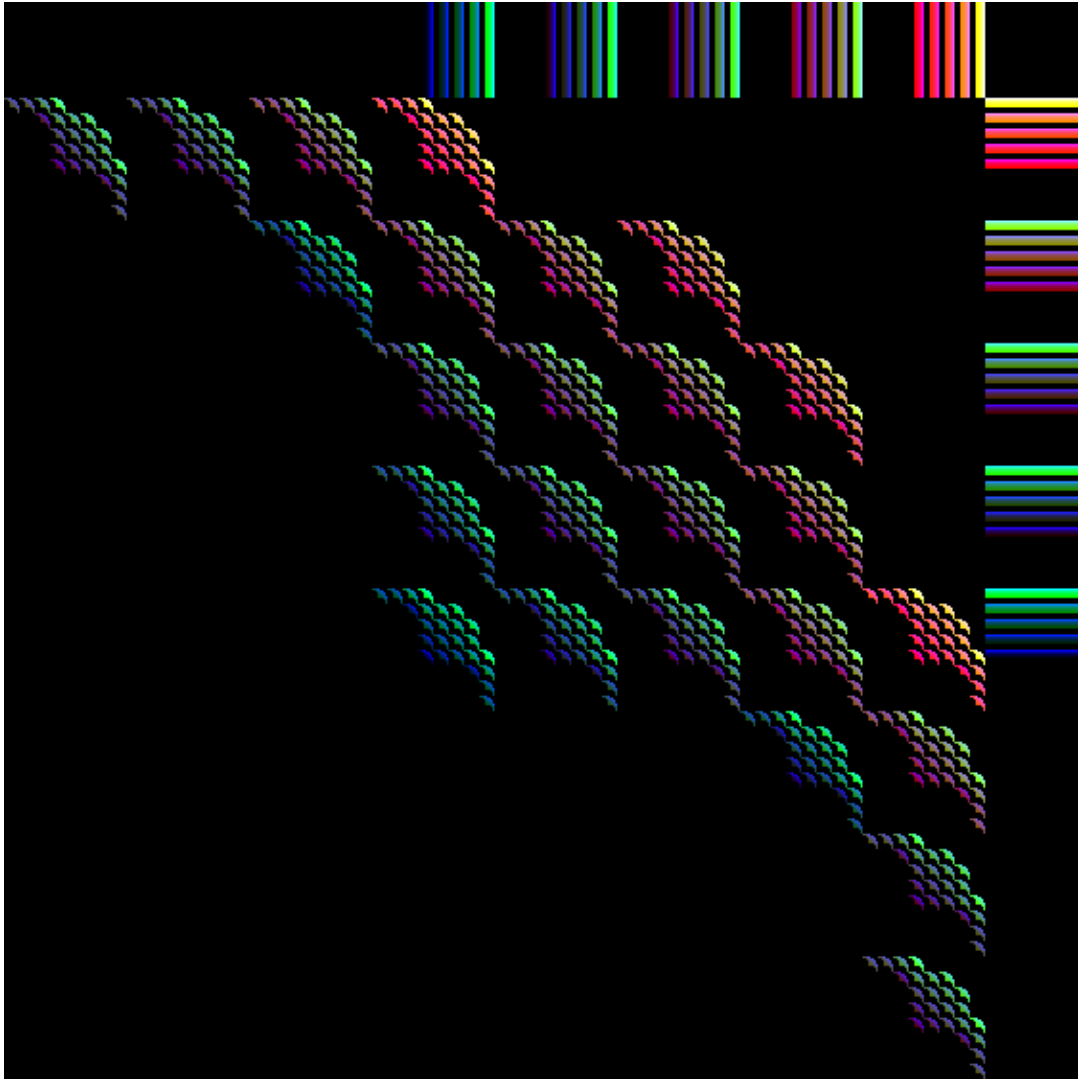
20 -0.9248 -0.5497 -0.2623 0 0.09676 0.2957 0.7446 0.6572



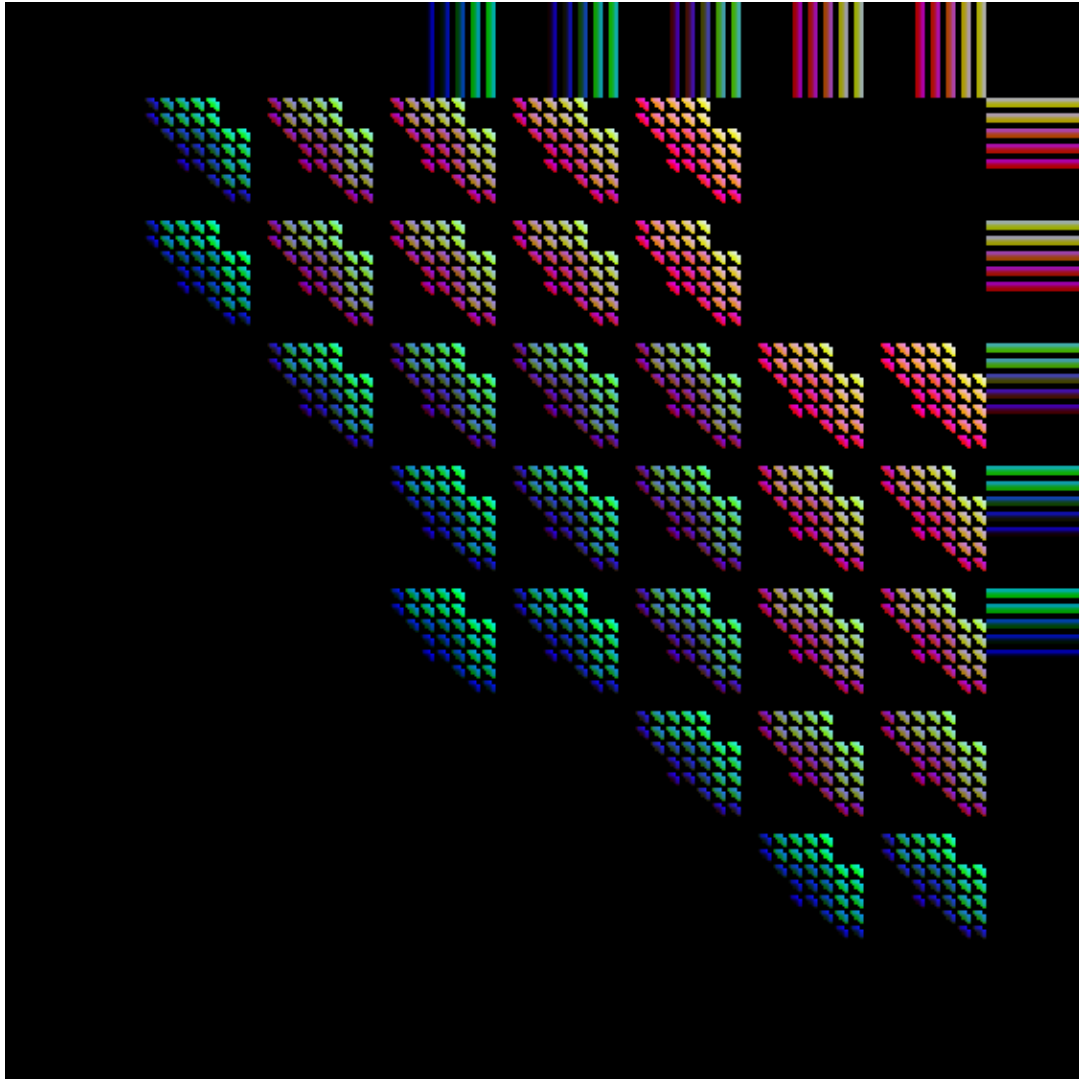
21	-0.8137	-0.7374	-0.3342	0	0.1920	0.4430	0.6274	0.5682
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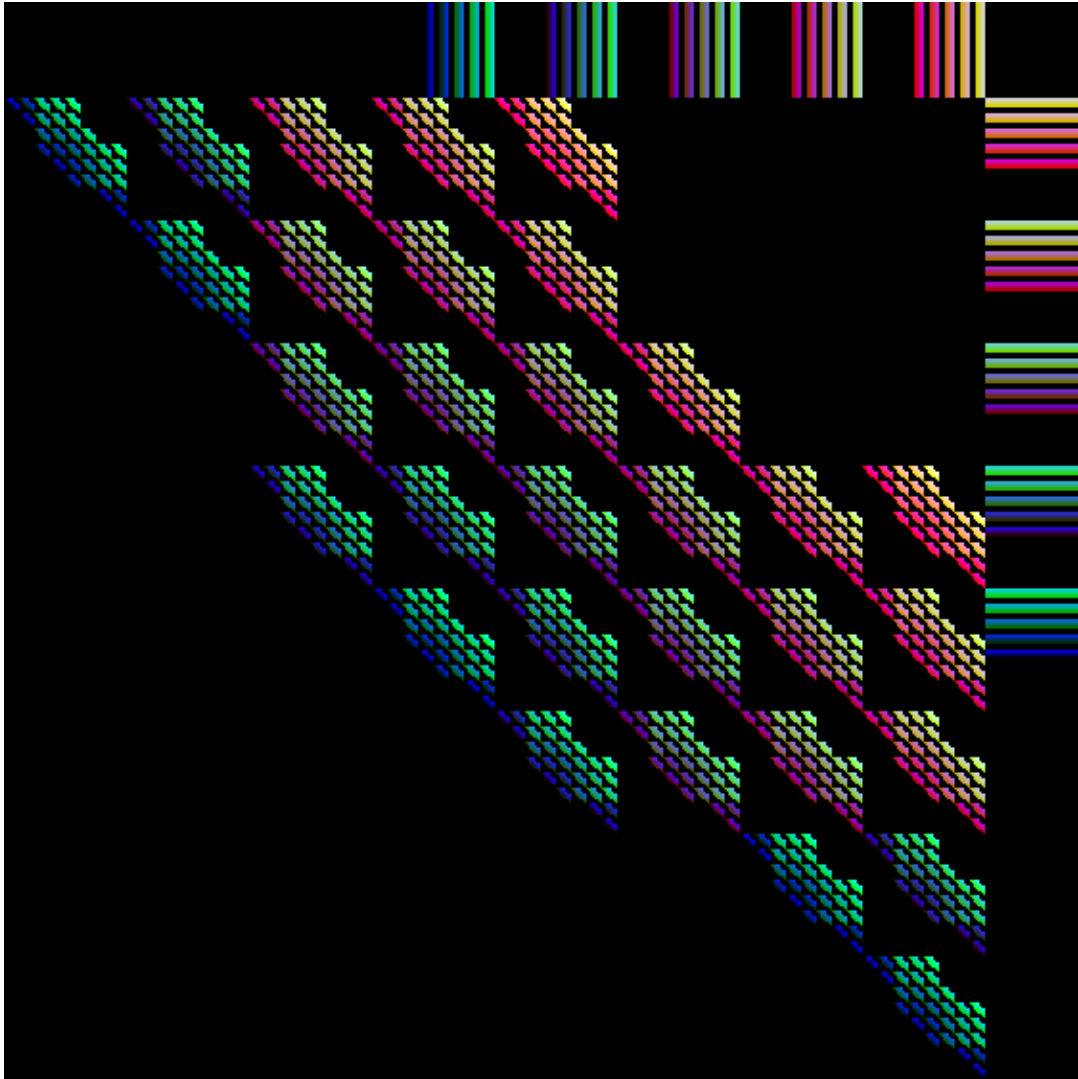
22 -0.6480 -0.6335 -0.4298 0 0.1435 0.3059 0.5412 0.9707



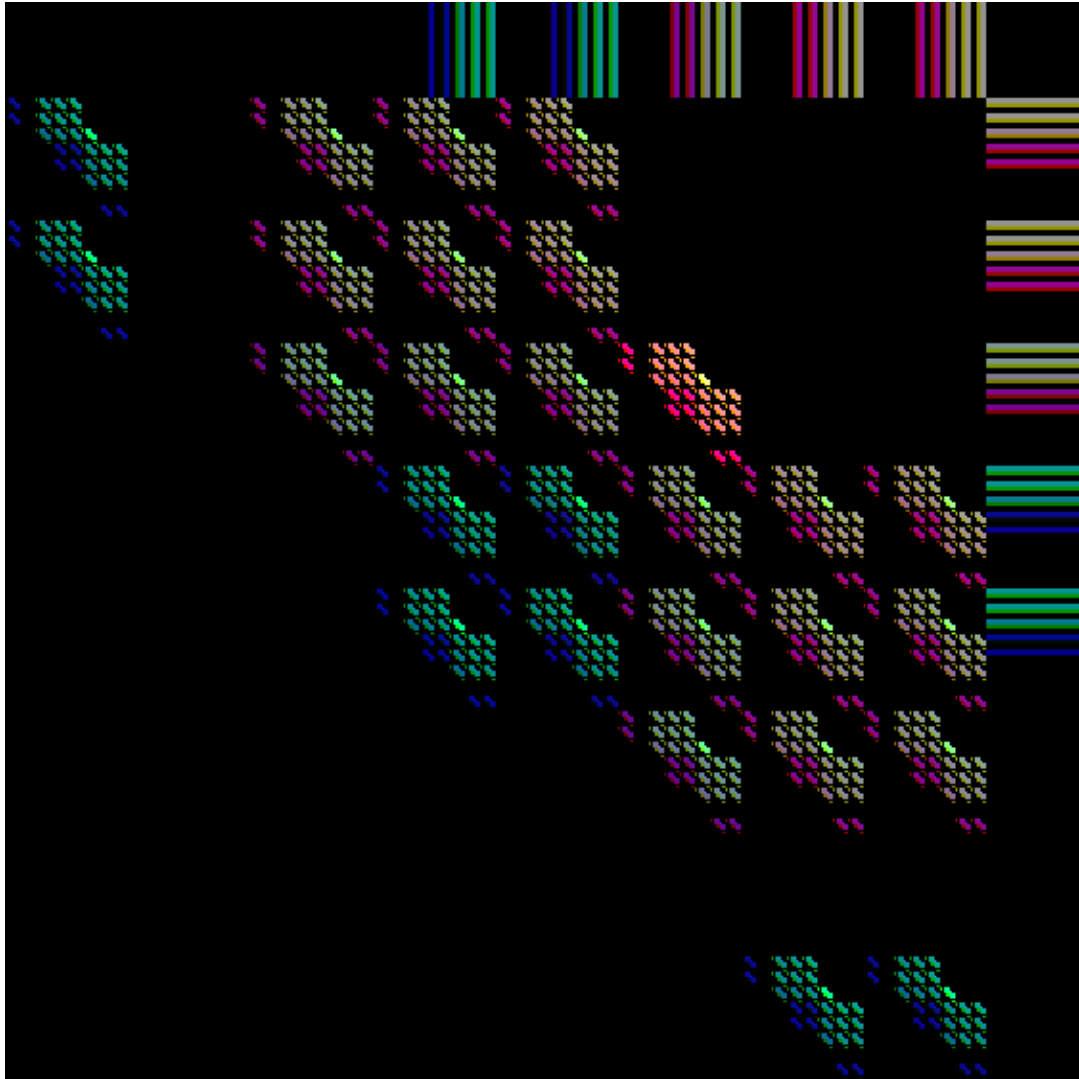
23 -0.9626 -0.5549 -0.1161 0 0.09228 0.2609 0.6013 0.6731



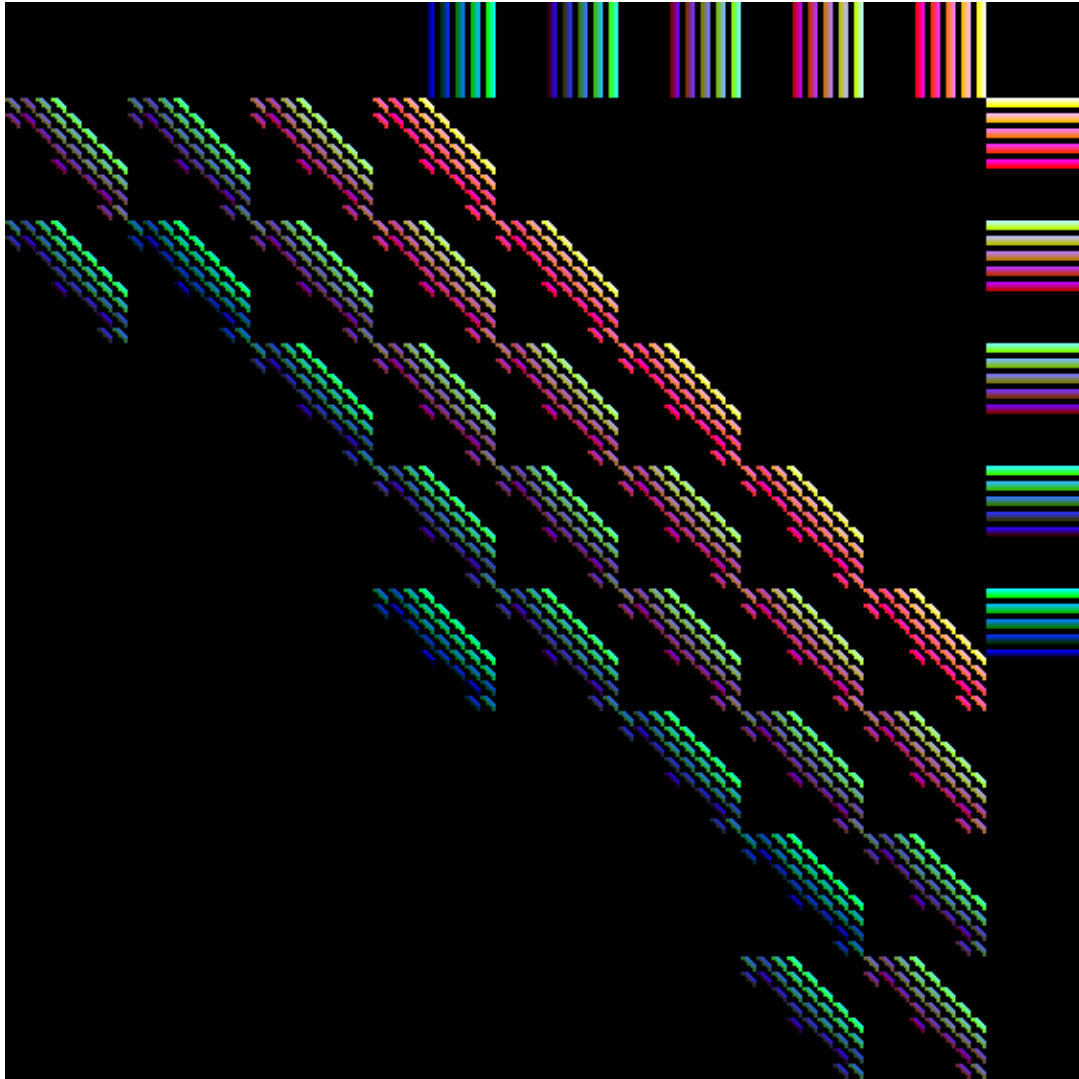
24 -0.8306 -0.6502 -0.07131 0 0.1743 0.4374 0.6630 0.8246



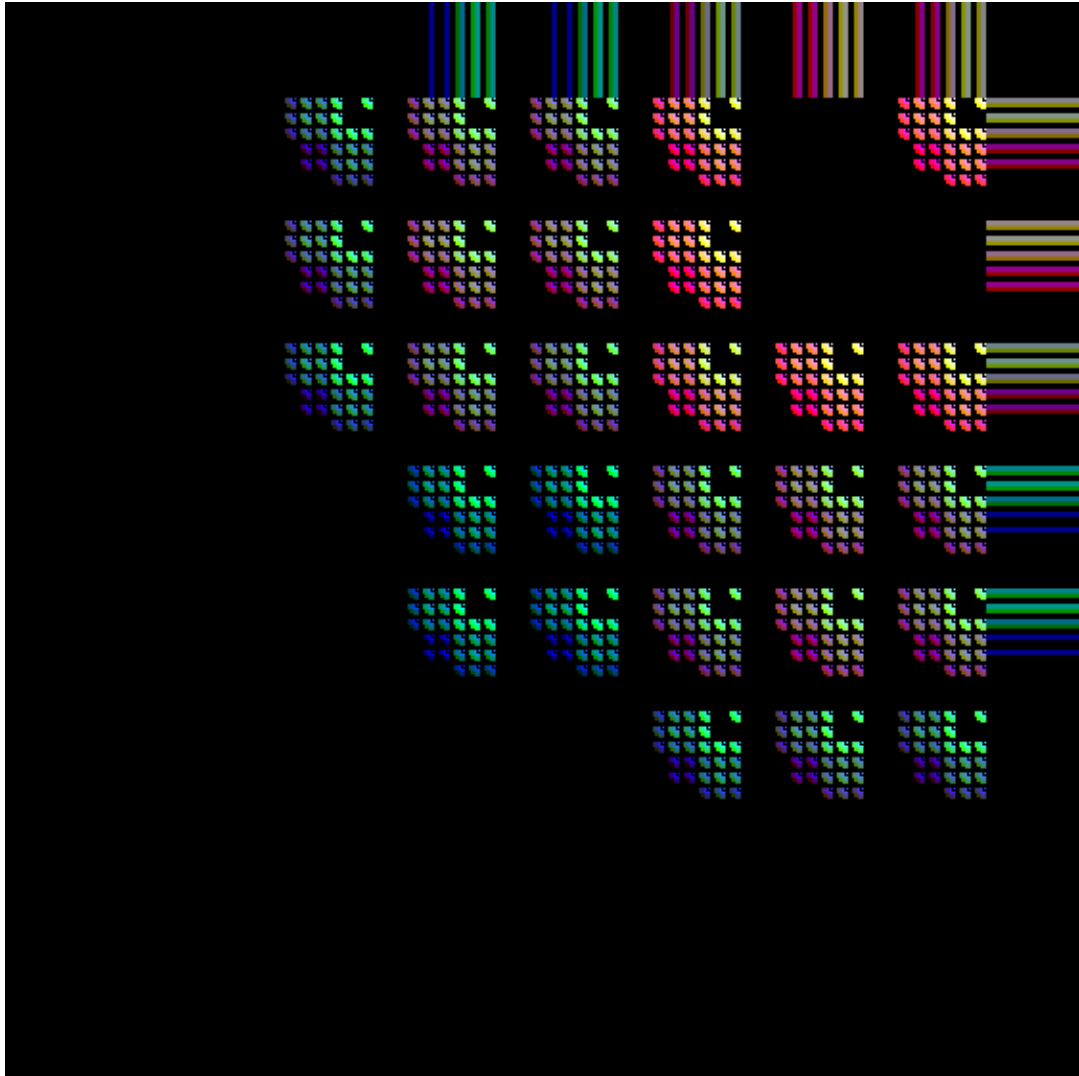
25 -0.5357 -0.7127 -0.05393 0 0.04649 0.4900 0.5914 0.5855



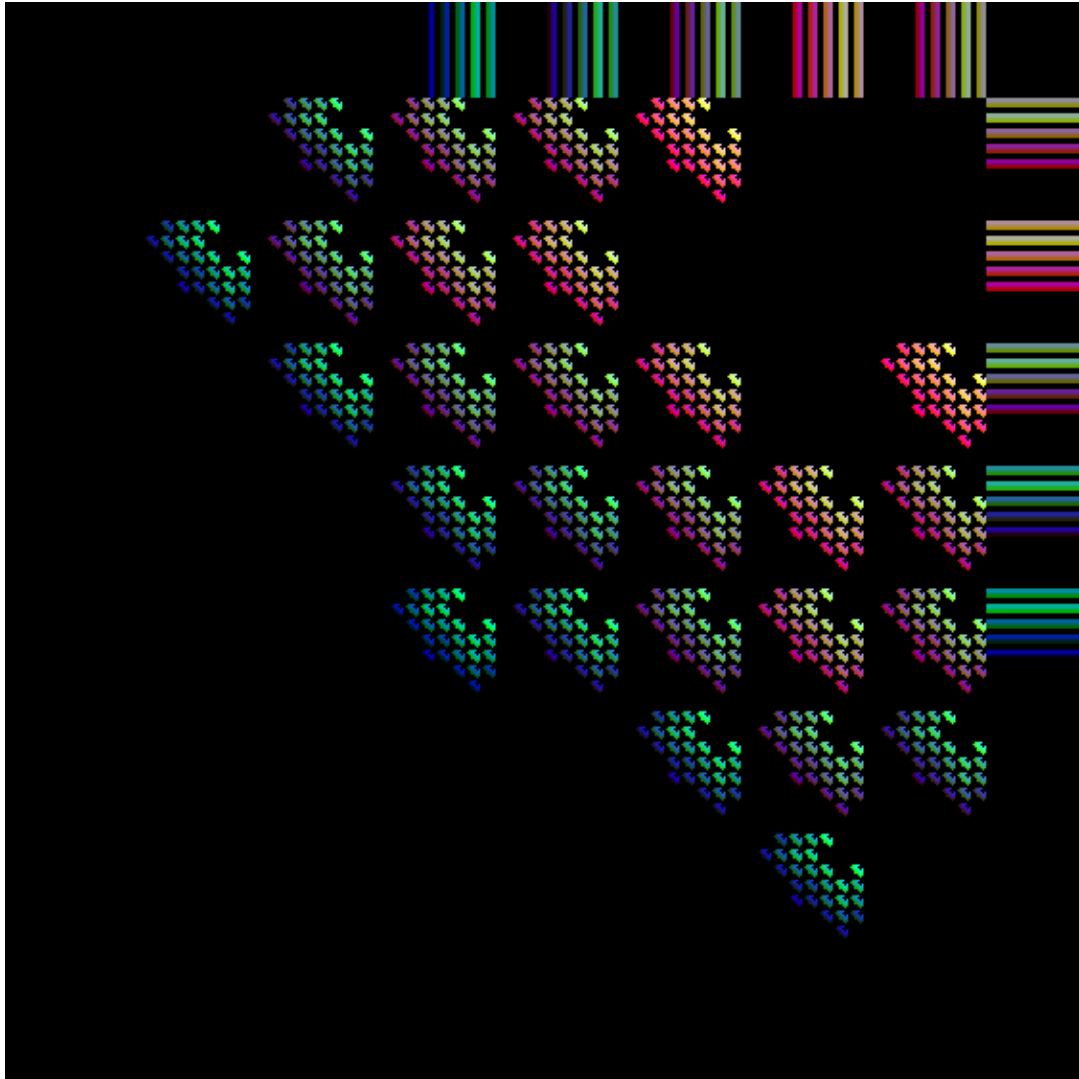
26 -0.5581 -0.6875 -0.3391 0 0.1952 0.4759 0.7190 0.9857



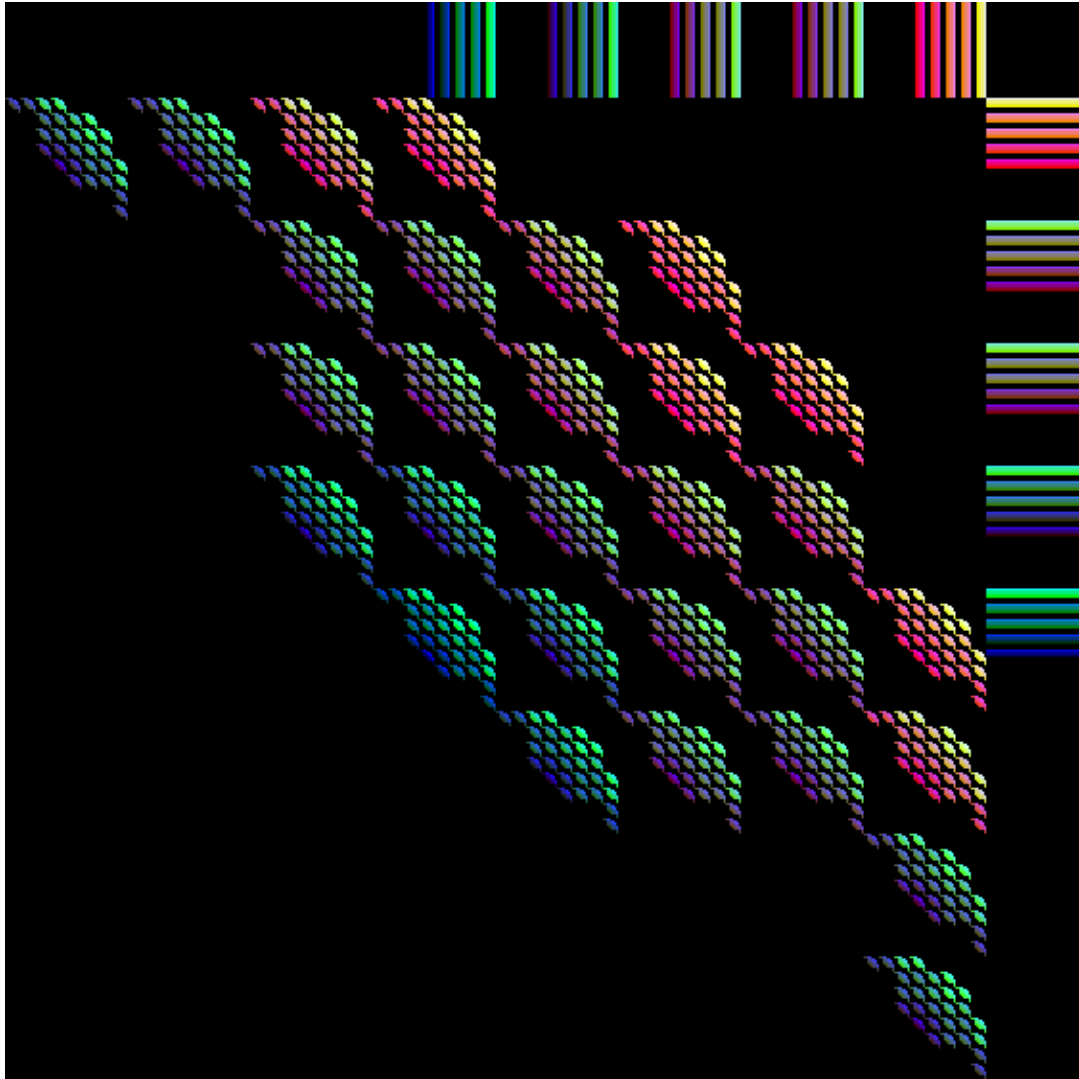
27 -0.8695 -0.7331 -0.2766 0 0.01474 0.4181 0.5698 0.5020



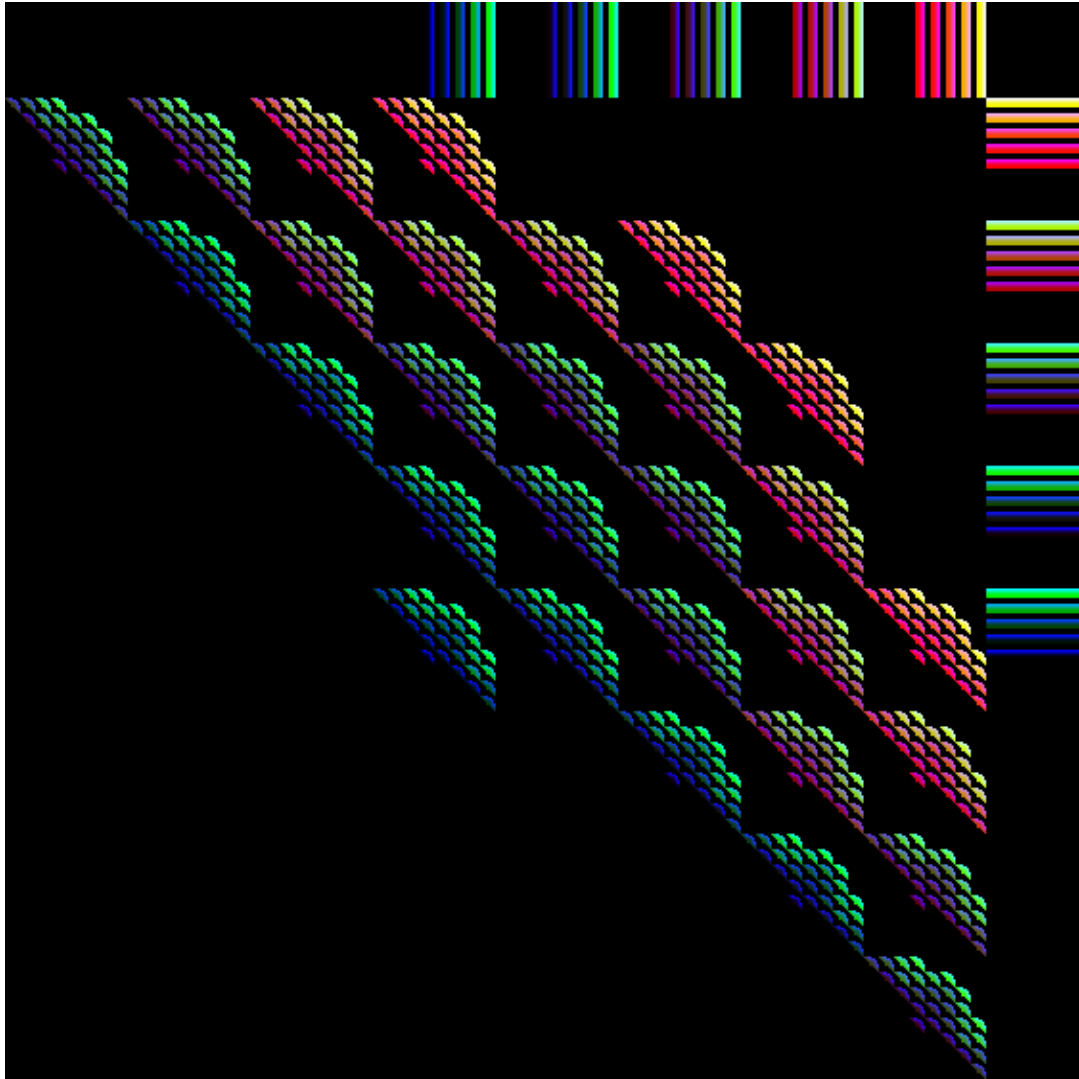
28 -0.8313 -0.6031 -0.3080 0 0.1386 0.4037 0.6660 0.5459



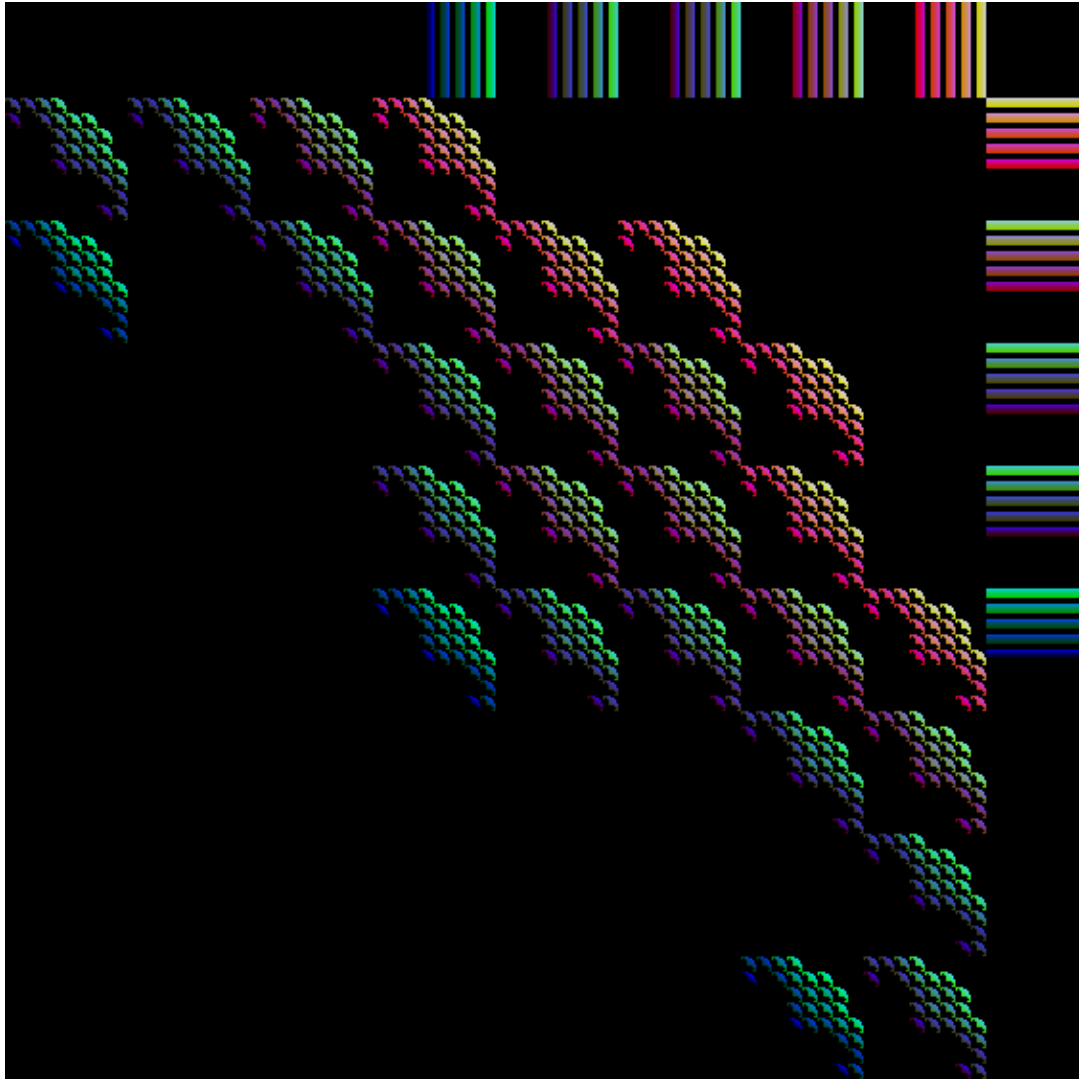
29 -0.6718 -0.5961 -0.08435 0 0.2117 0.4738 0.5193 0.9231



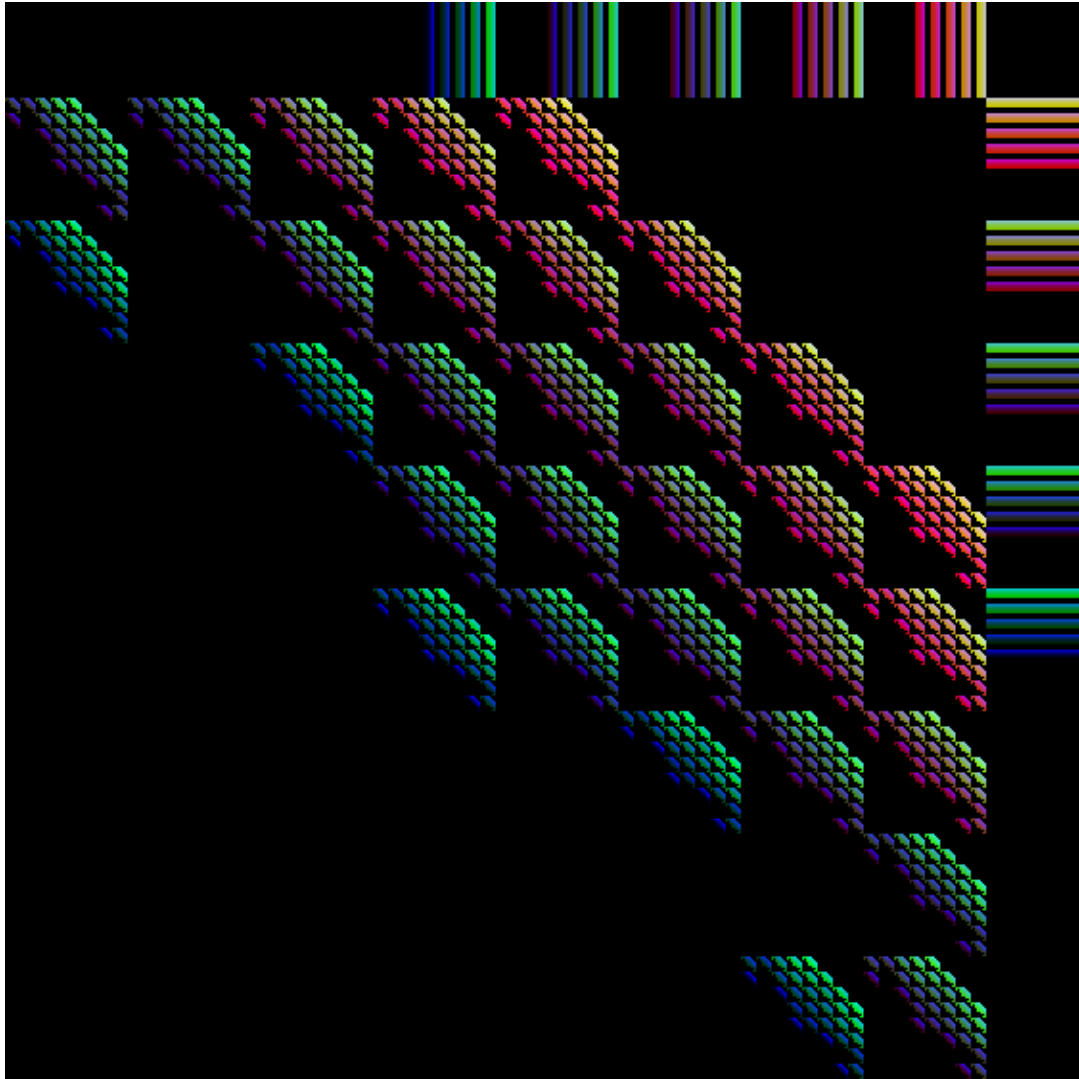
30 -0.7175 -0.6040 -0.1755 0 0.08867 0.2526 0.6874 0.9656



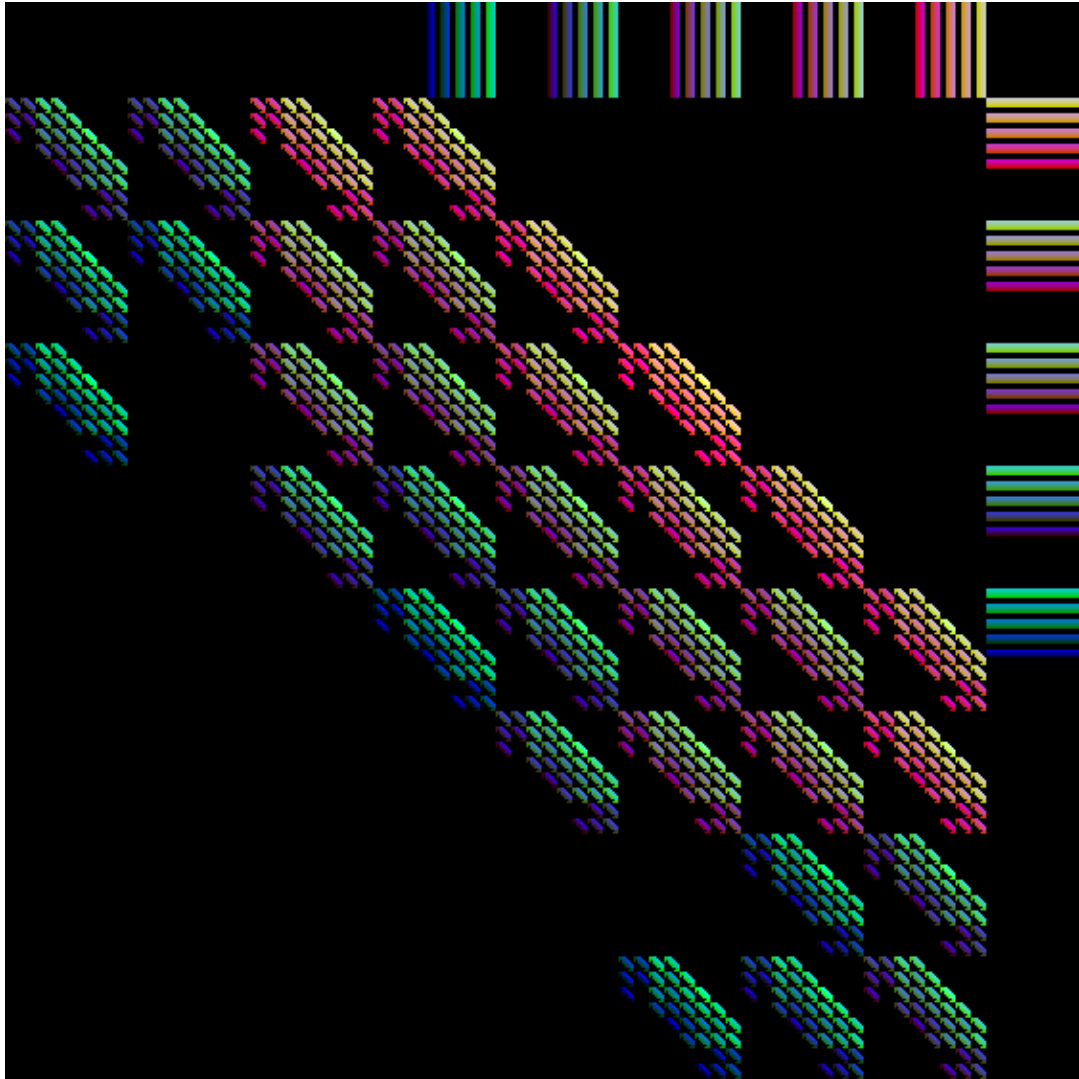
31 -0.5655 -0.5787 -0.3271 0 0.2366 0.3045 0.5589 0.7865



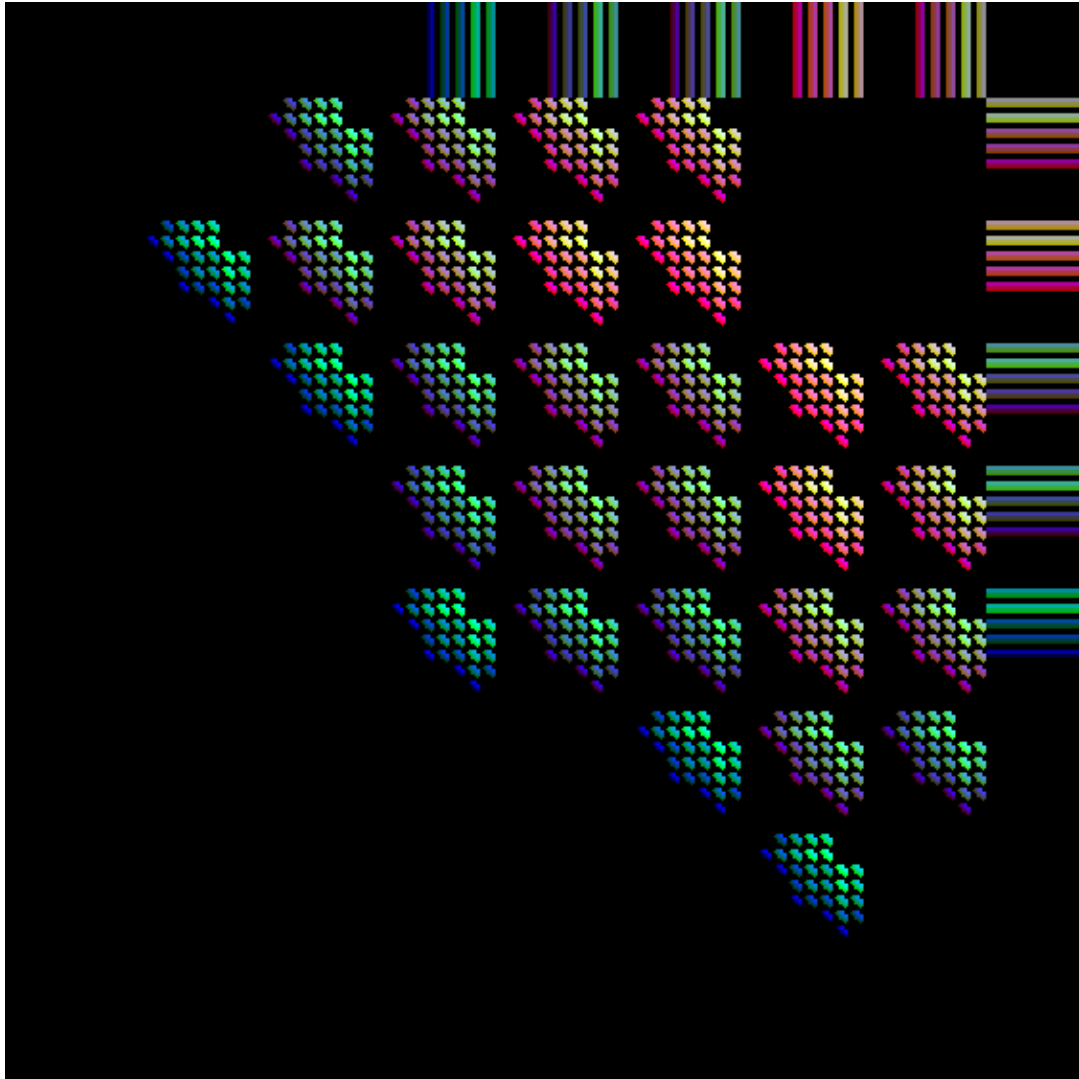
32 -0.5185 -0.5639 -0.2484 0 0.1362 0.2716 0.5273 0.7676



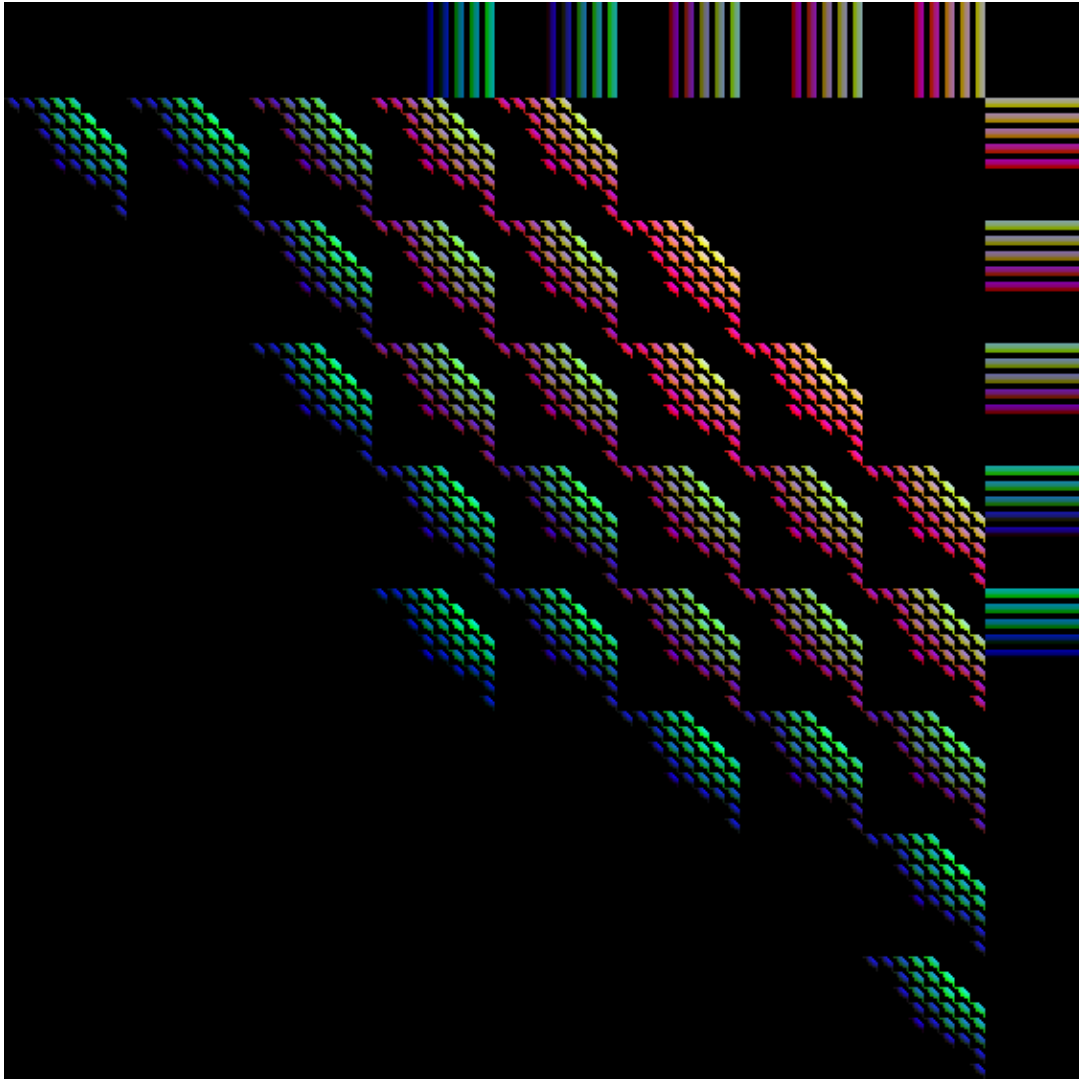
33 -0.5025 -0.5213 -0.00009918 0 0.2397 0.4981 0.6123 0.7819



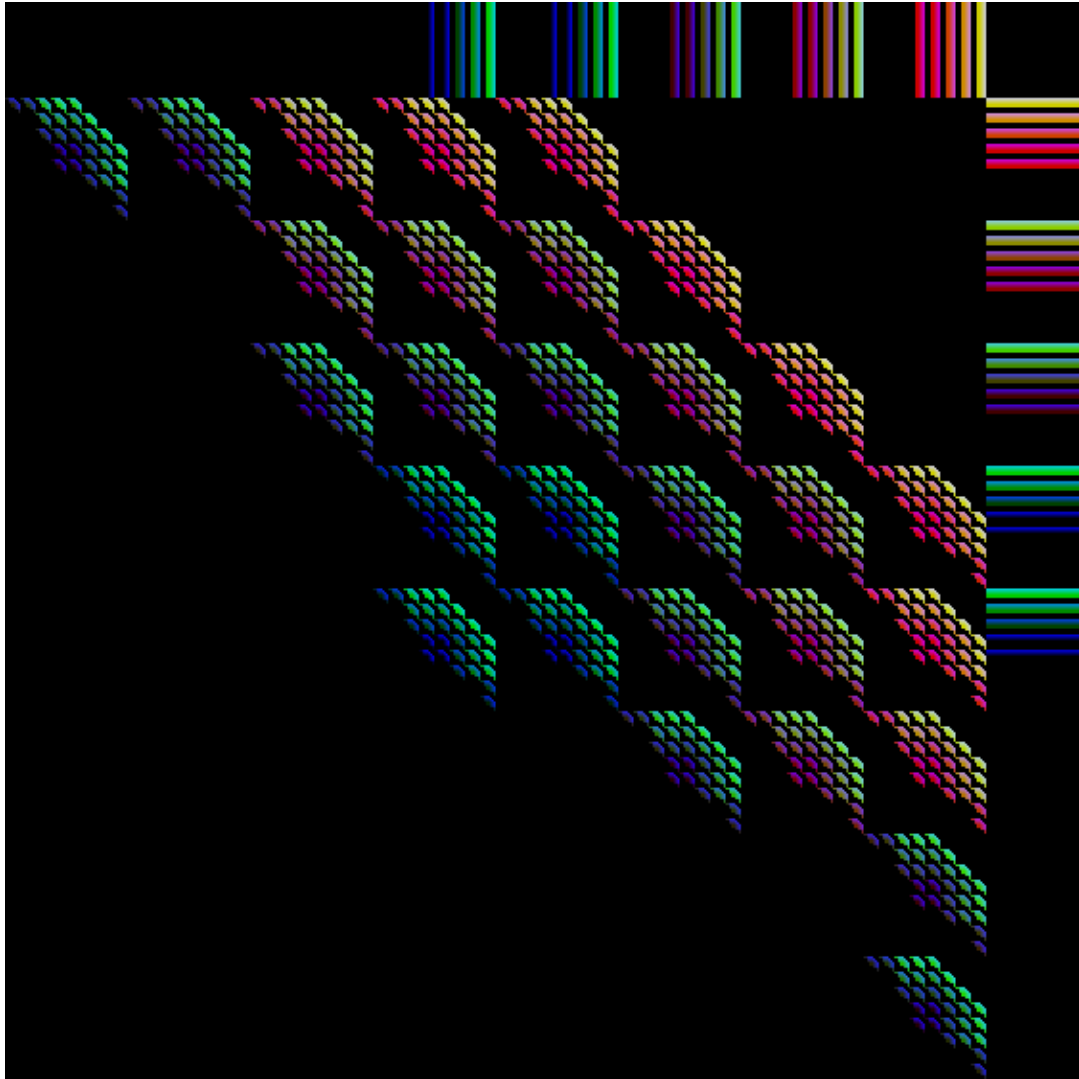
34 -0.8992 -0.6531 -0.2760 0 0.2465 0.3061 0.6653 0.5327



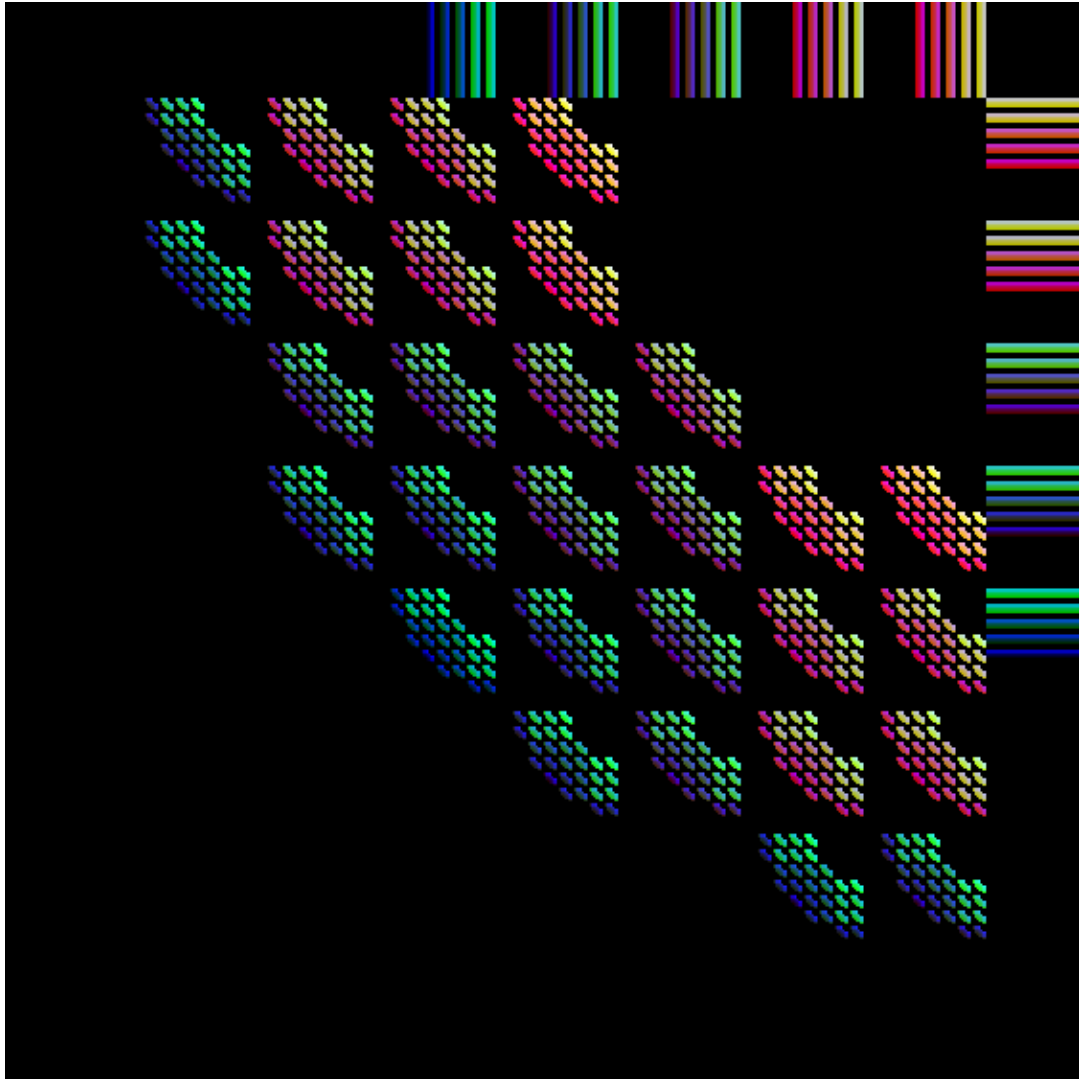
35 -0.5572 -0.5402 -0.3322 0 0.1220 0.4172 0.5150 0.6522



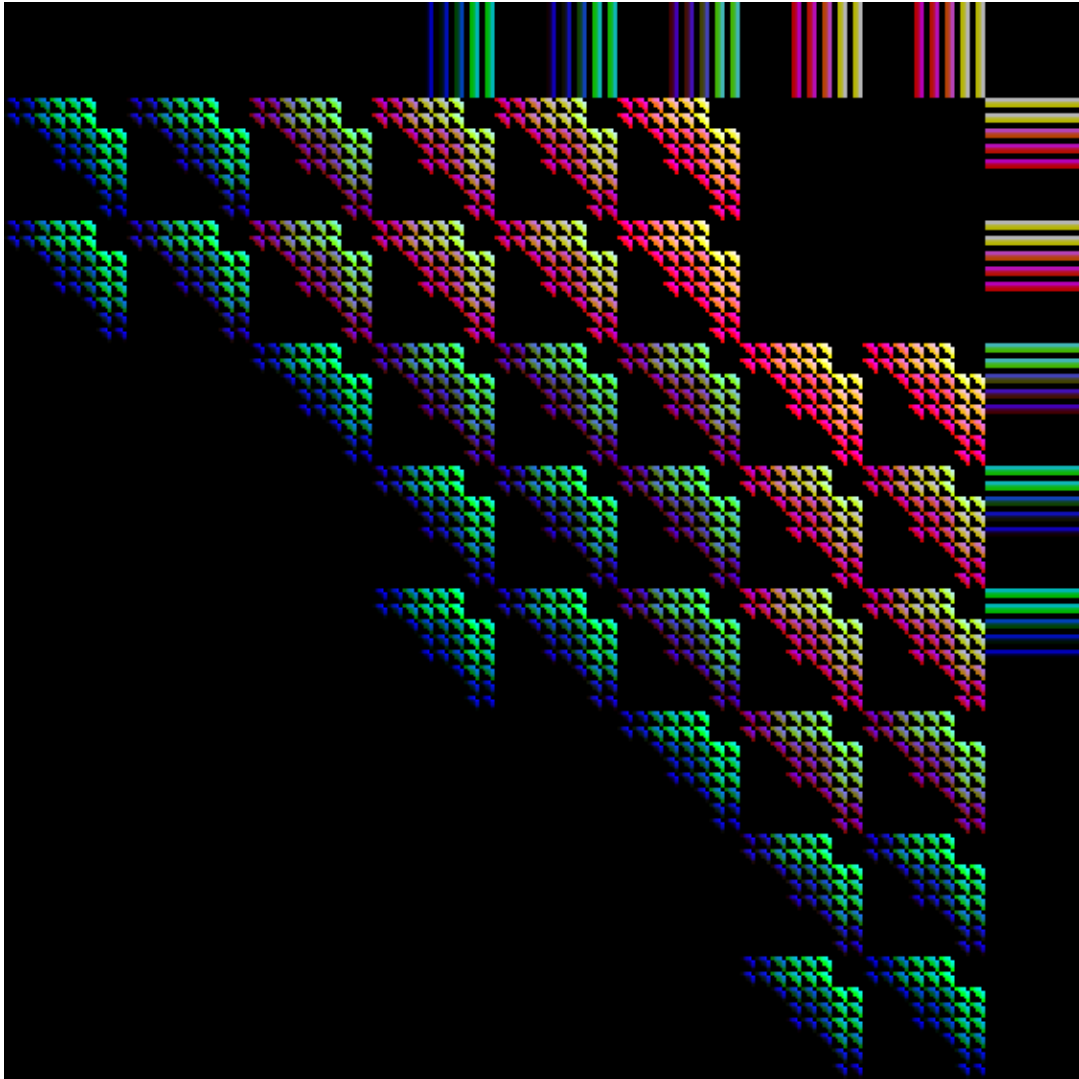
36 -0.6575 -0.5775 -0.1041 0 0.001713 0.2713 0.5506 0.8036



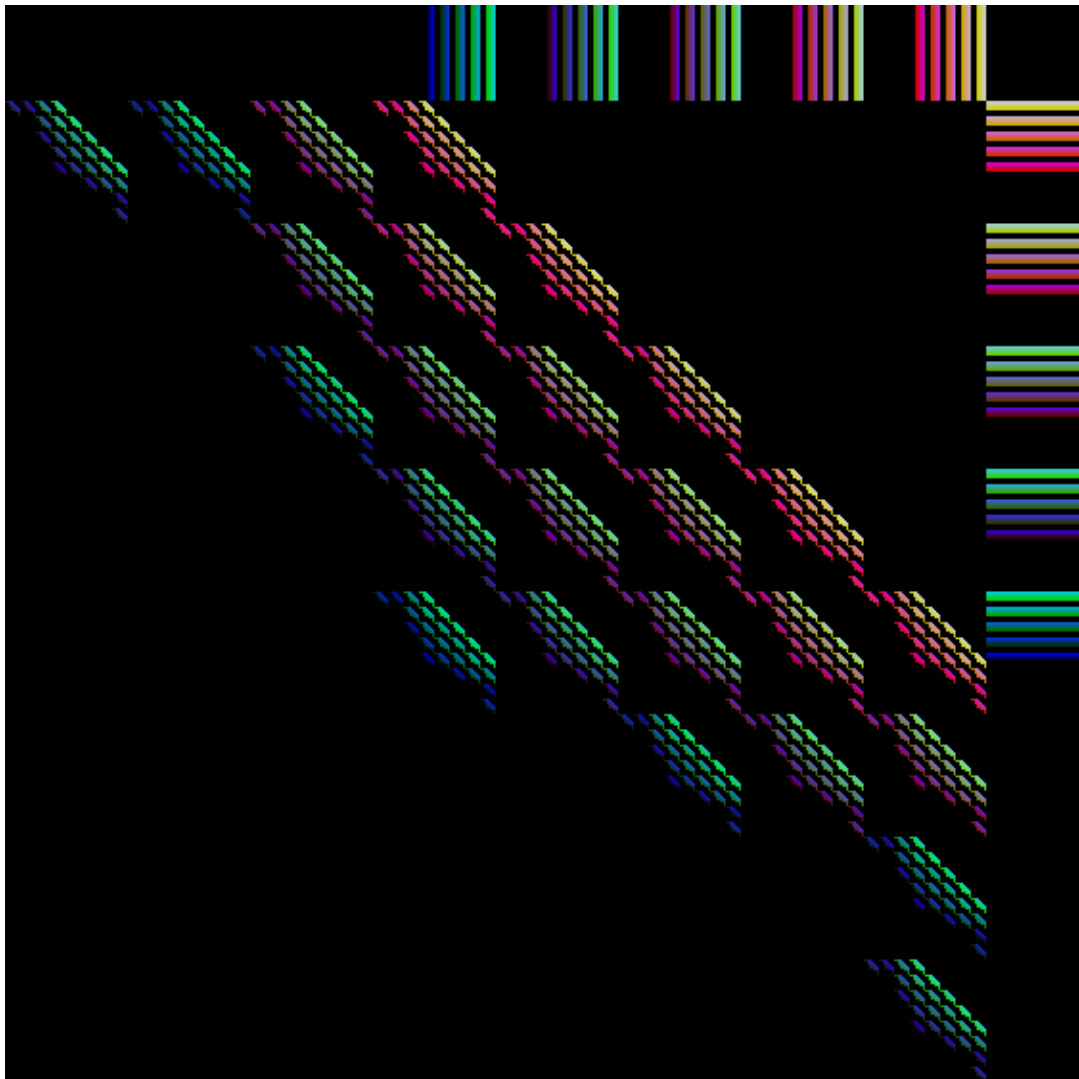
37 -0.9173 -0.6051 -0.03683 0 0.1745 0.3163 0.7026 0.7769



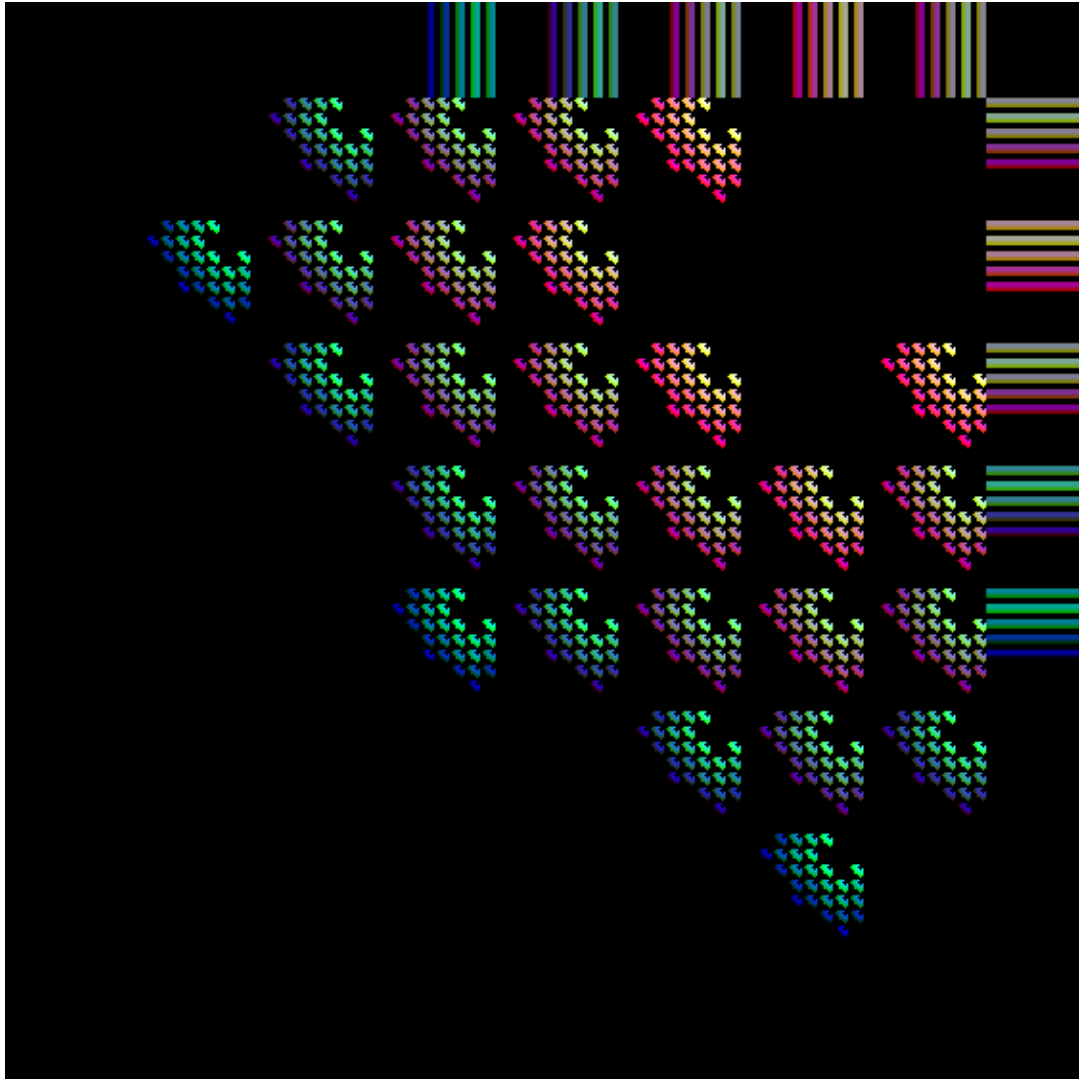
38 -0.6791 -0.6151 -0.2240 0 0.06495 0.2633 0.7106 0.6918



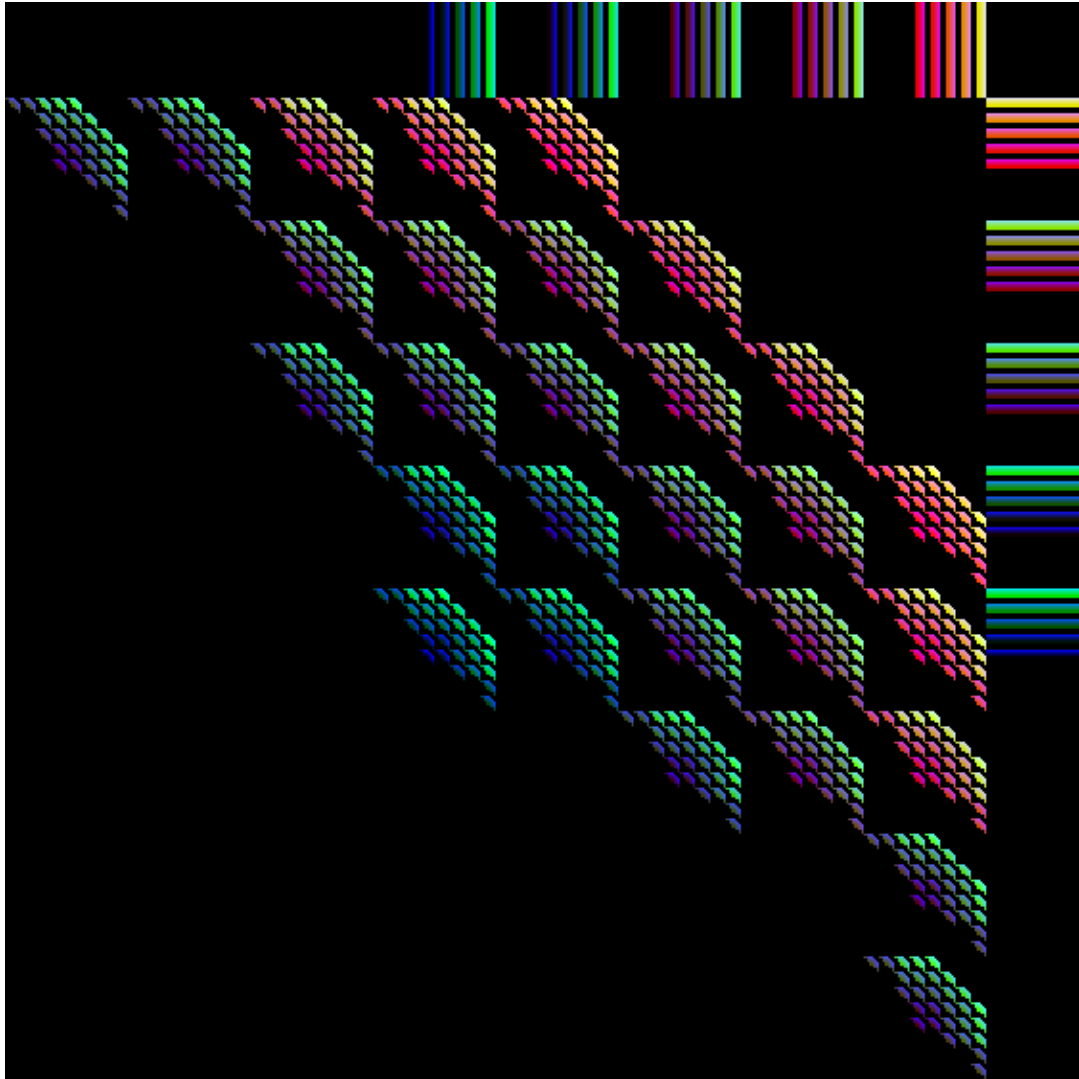
39 -0.6567 -0.7251 -0.3153 0 0.2033 0.3792 0.6362 0.8100



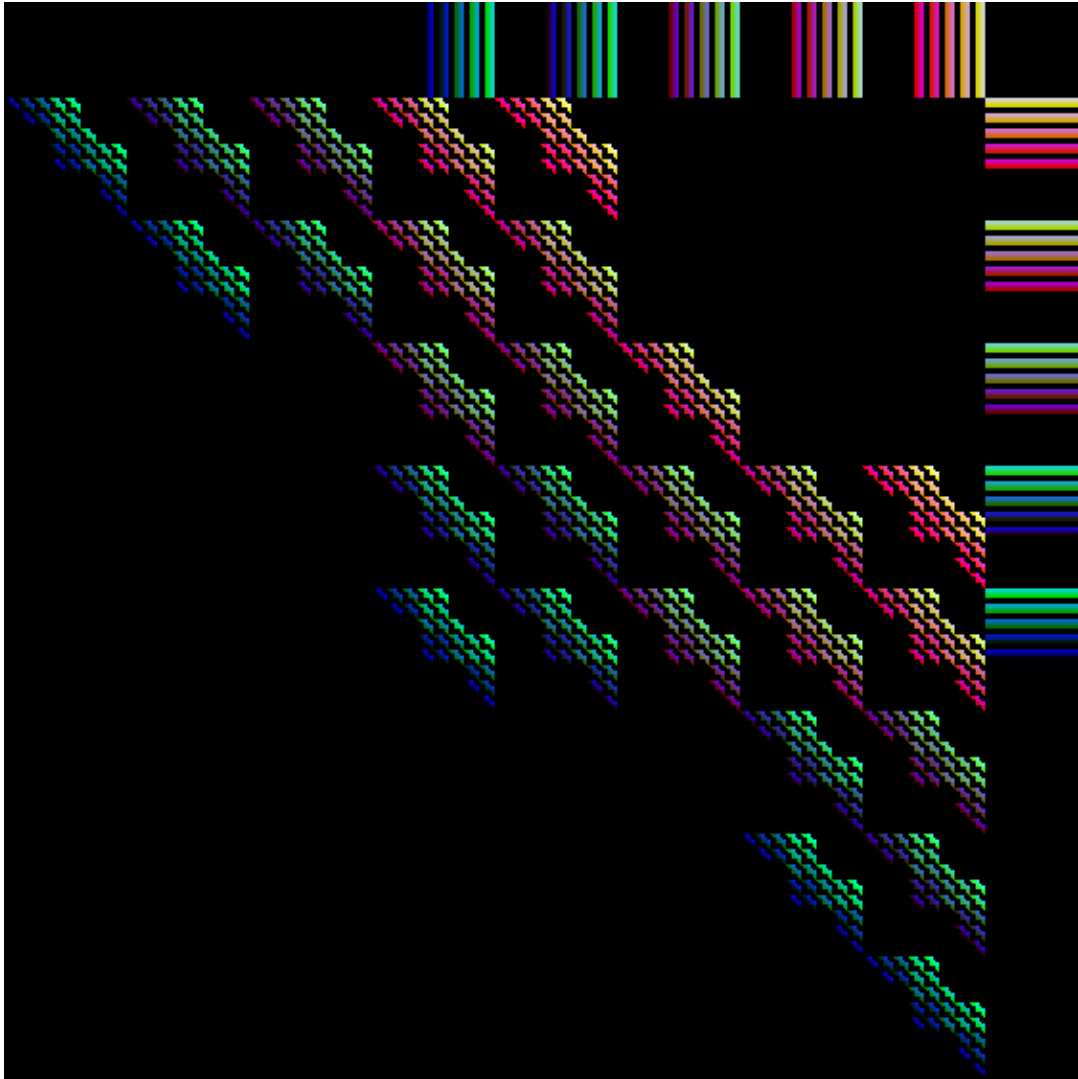
40 -0.9345 -0.6530 -0.3304 0 0.2171 0.4746 0.6430 0.5259



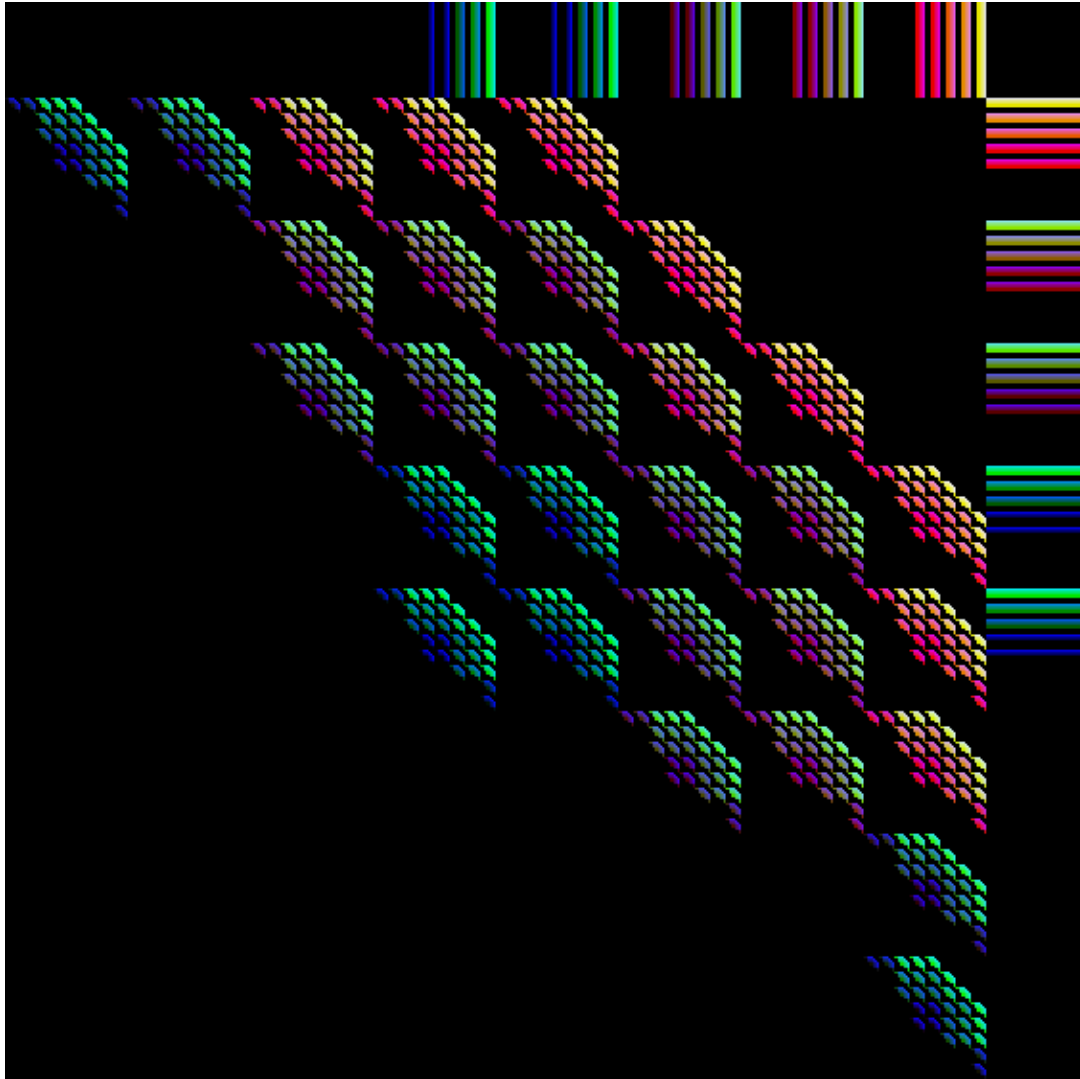
41 -0.5919 -0.5676 -0.09766 0 0.07729 0.3206 0.5314 0.9022



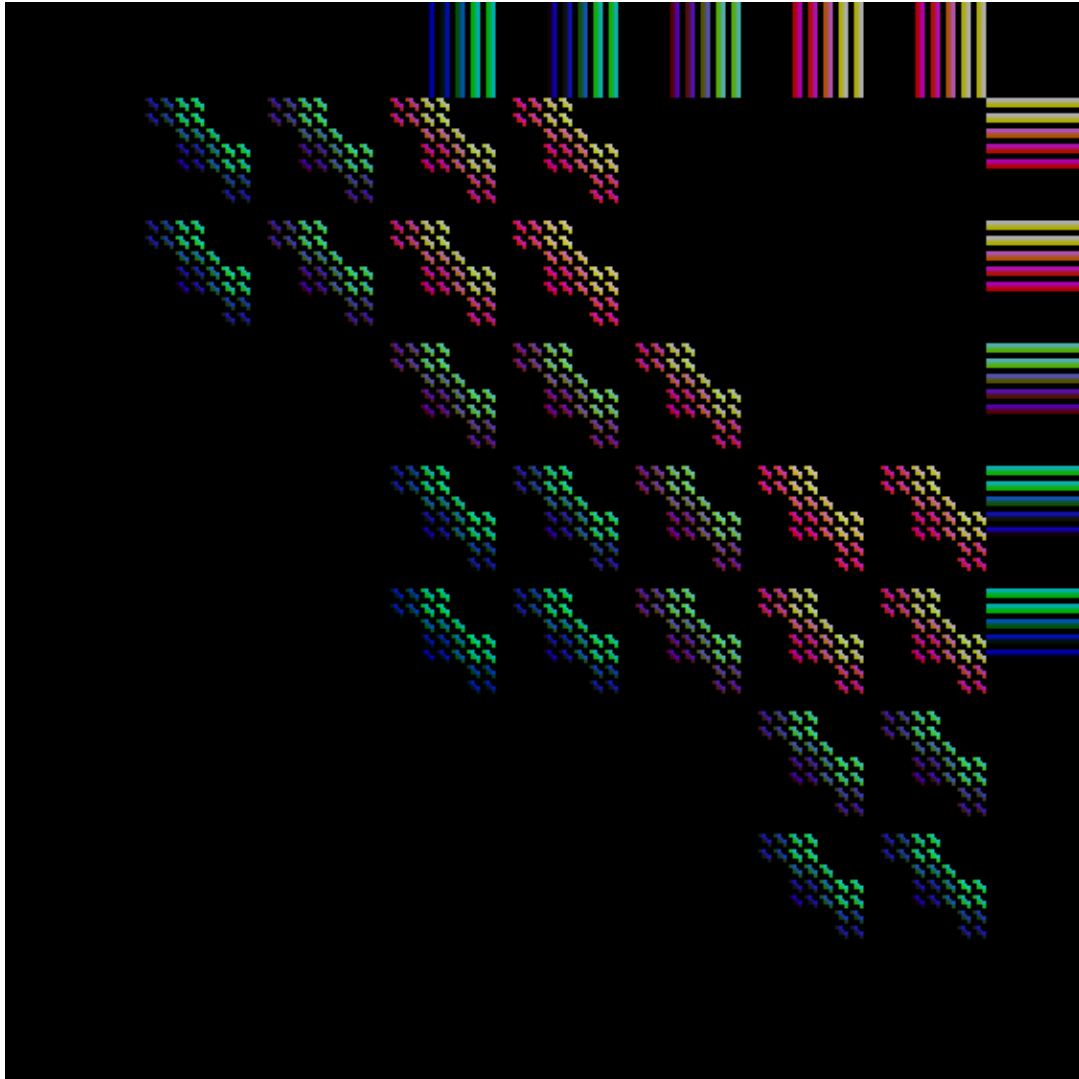
42 -0.8490 -0.6375 -0.4599 0 0.09991 0.4185 0.6266 0.8392



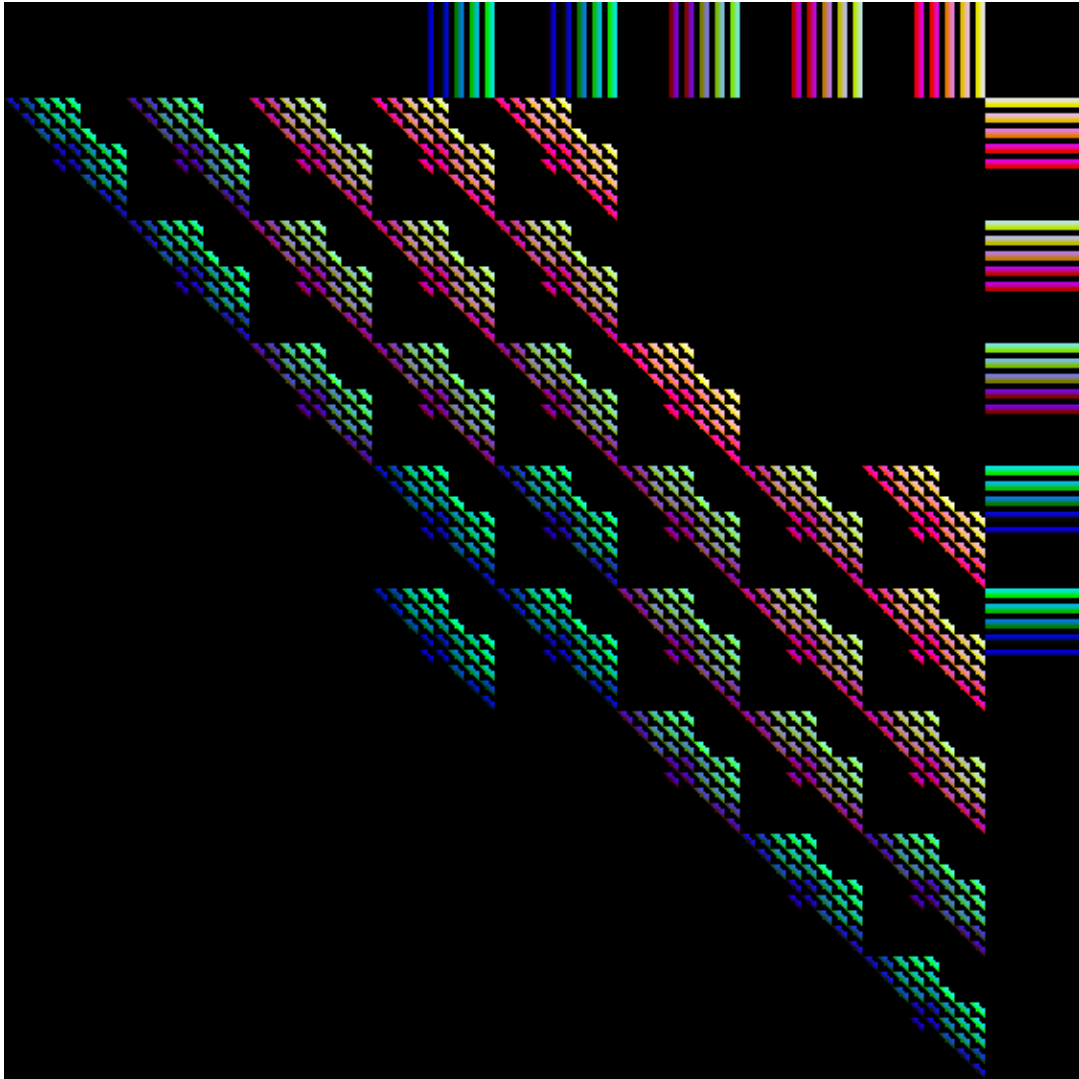
43 -0.8213 -0.7349 -0.06763 0 0.02350 0.3730 0.5386 0.9046



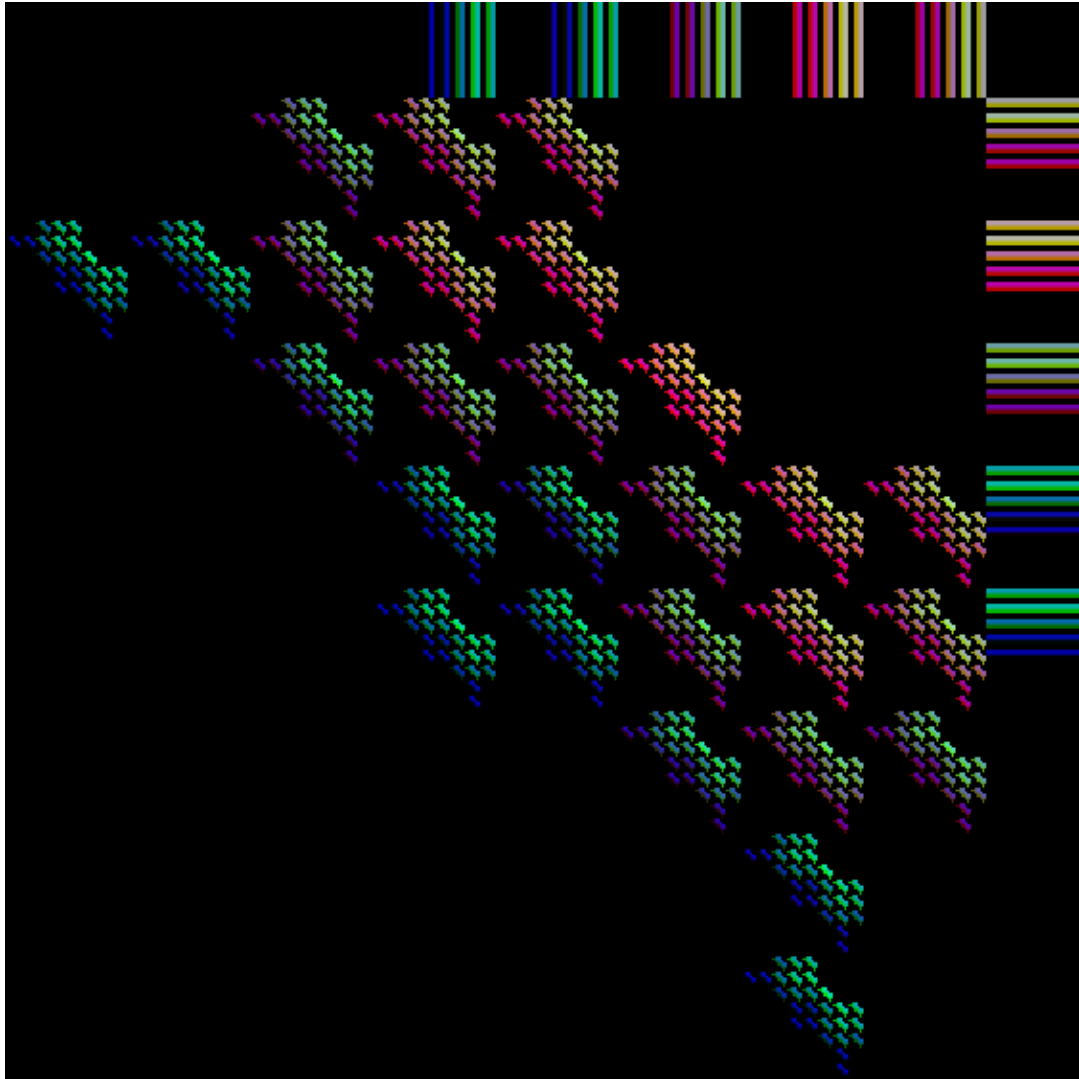
44 -0.9925 -0.5730 -0.4568 0 0.07130 0.3364 0.6815 0.6773



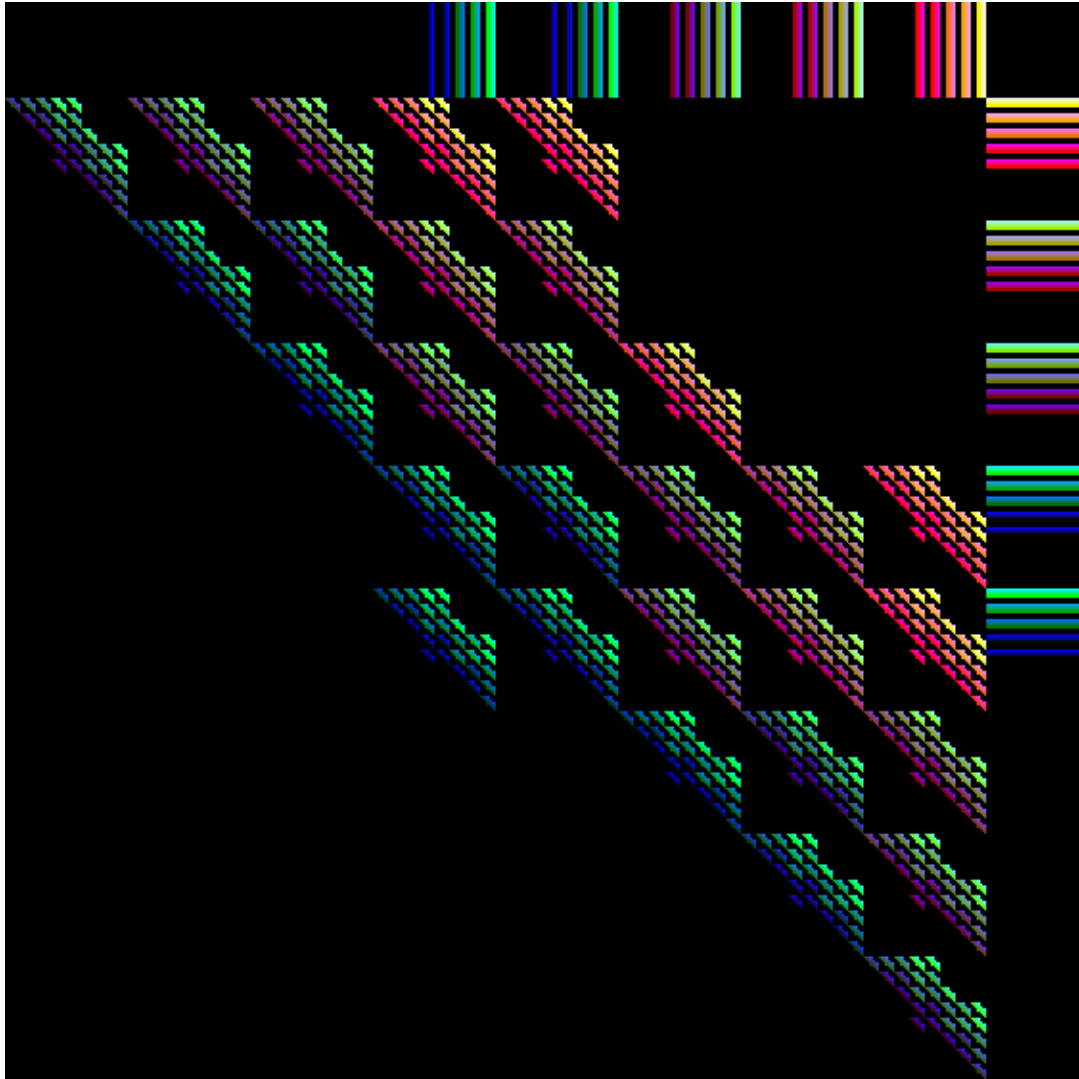
45 -0.8309 -0.6289 -0.1735 0 0.05689 0.4852 0.7238 0.8992



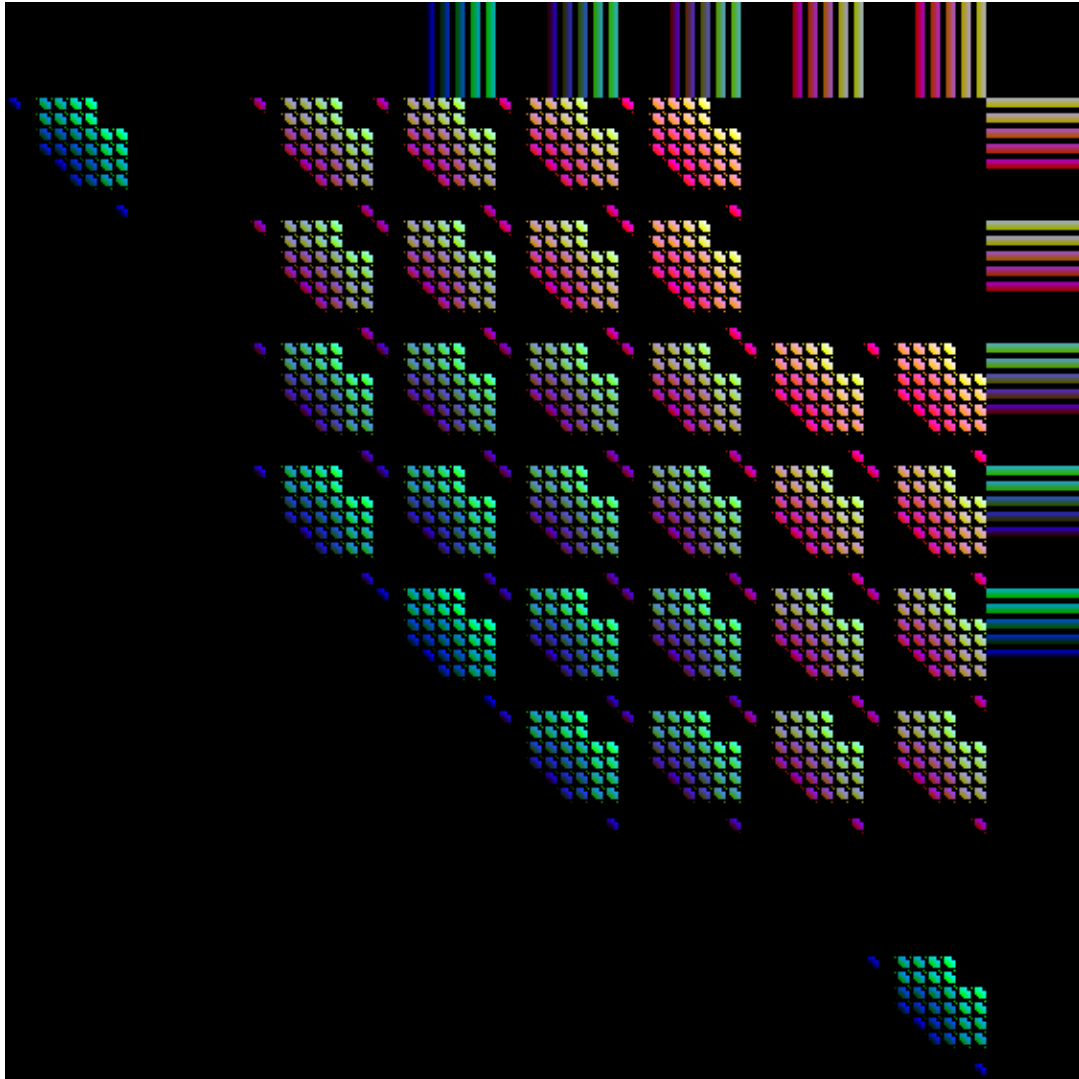
46 -0.6814 -0.6563 -0.2674 0 0.05838 0.4318 0.6974 0.6219



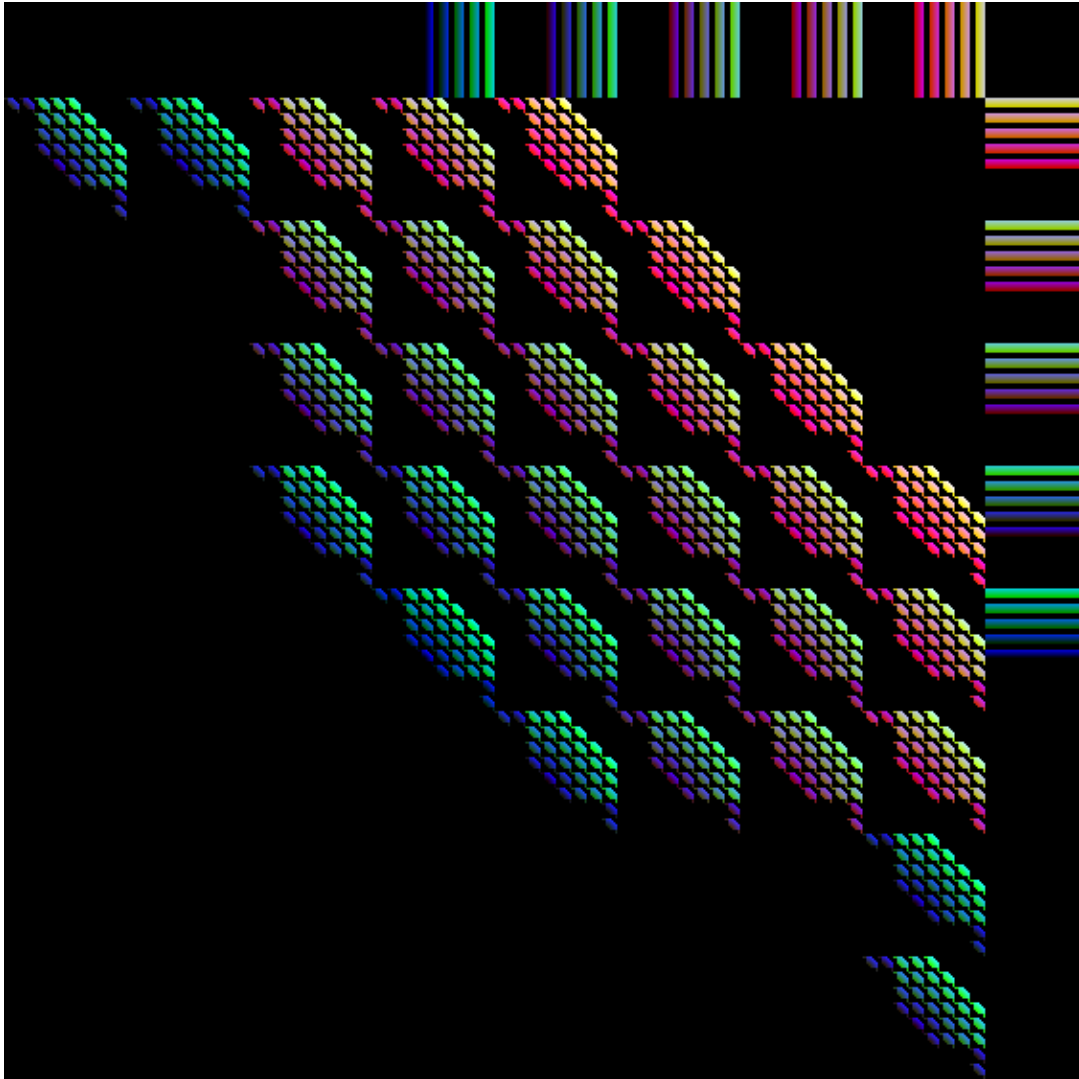
47 -0.7252 -0.5524 -0.4169 0 0.03279 0.4440 0.6298 0.9444



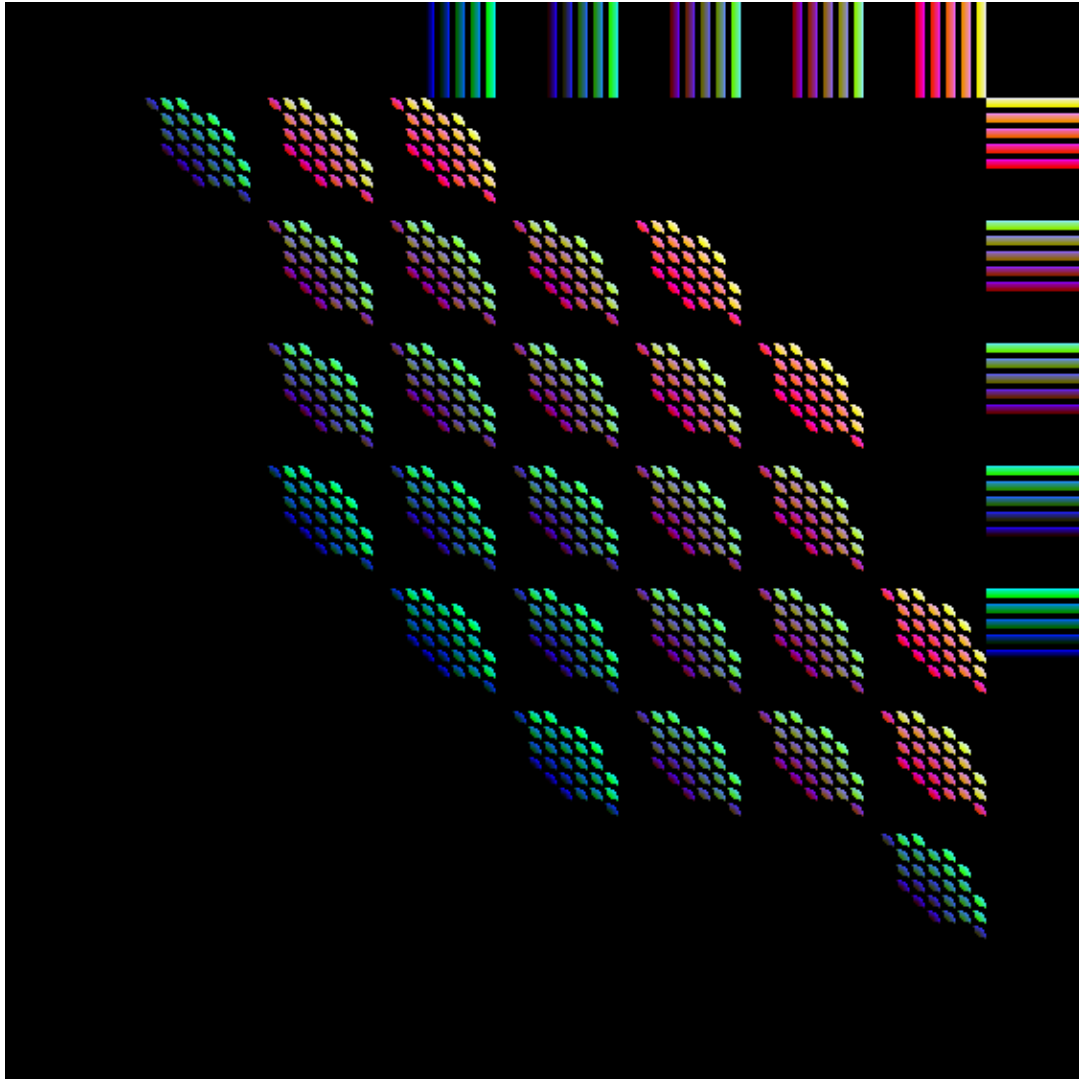
48 -0.6404 -0.7250 -0.04922 0 0.1570 0.3299 0.6033 0.6650



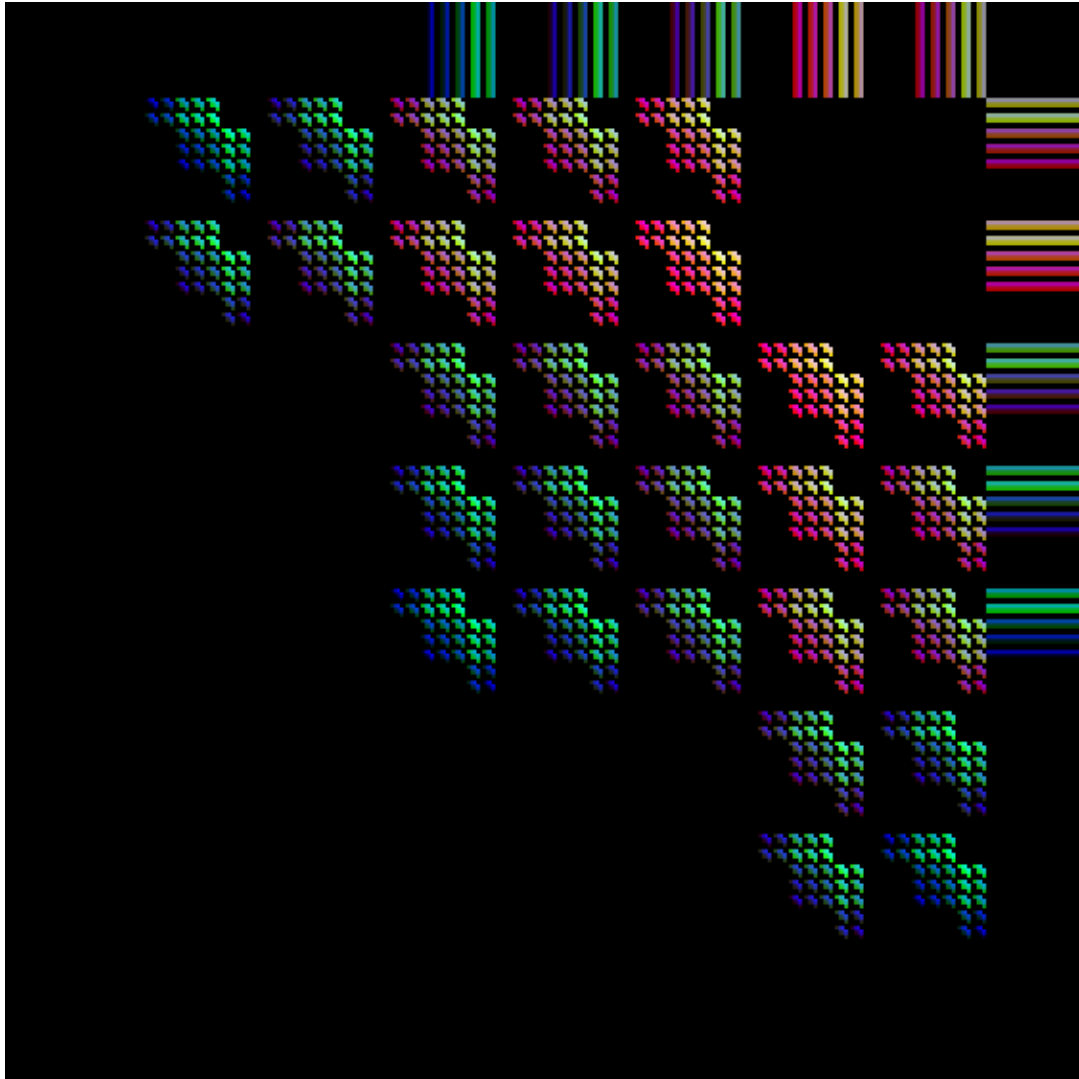
49 -0.6268 -0.6993 -0.07114 0 0.1795 0.3804 0.5741 0.8016



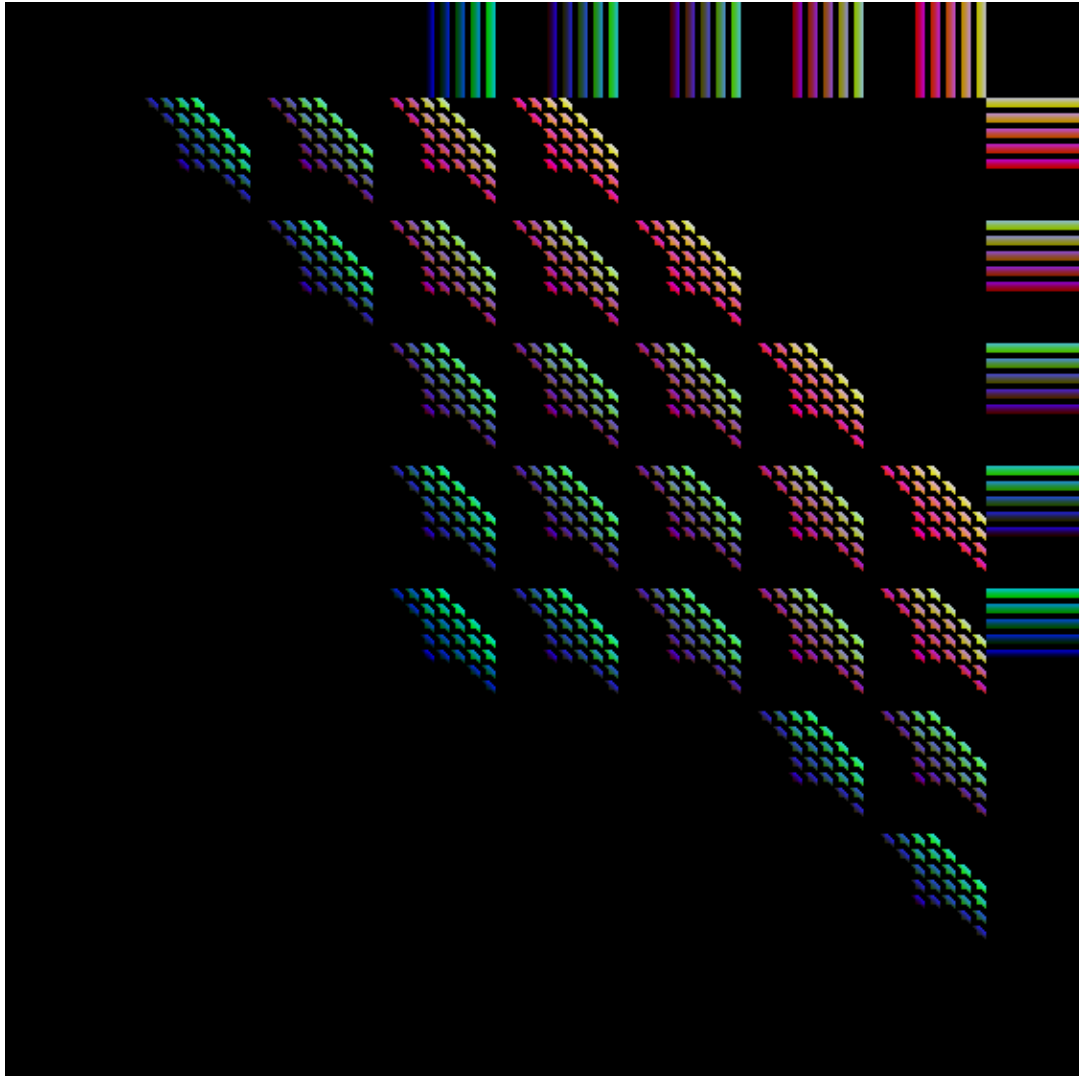
50 -0.9638 -0.7169 -0.07710 0 0.1348 0.3851 0.5611 0.9183



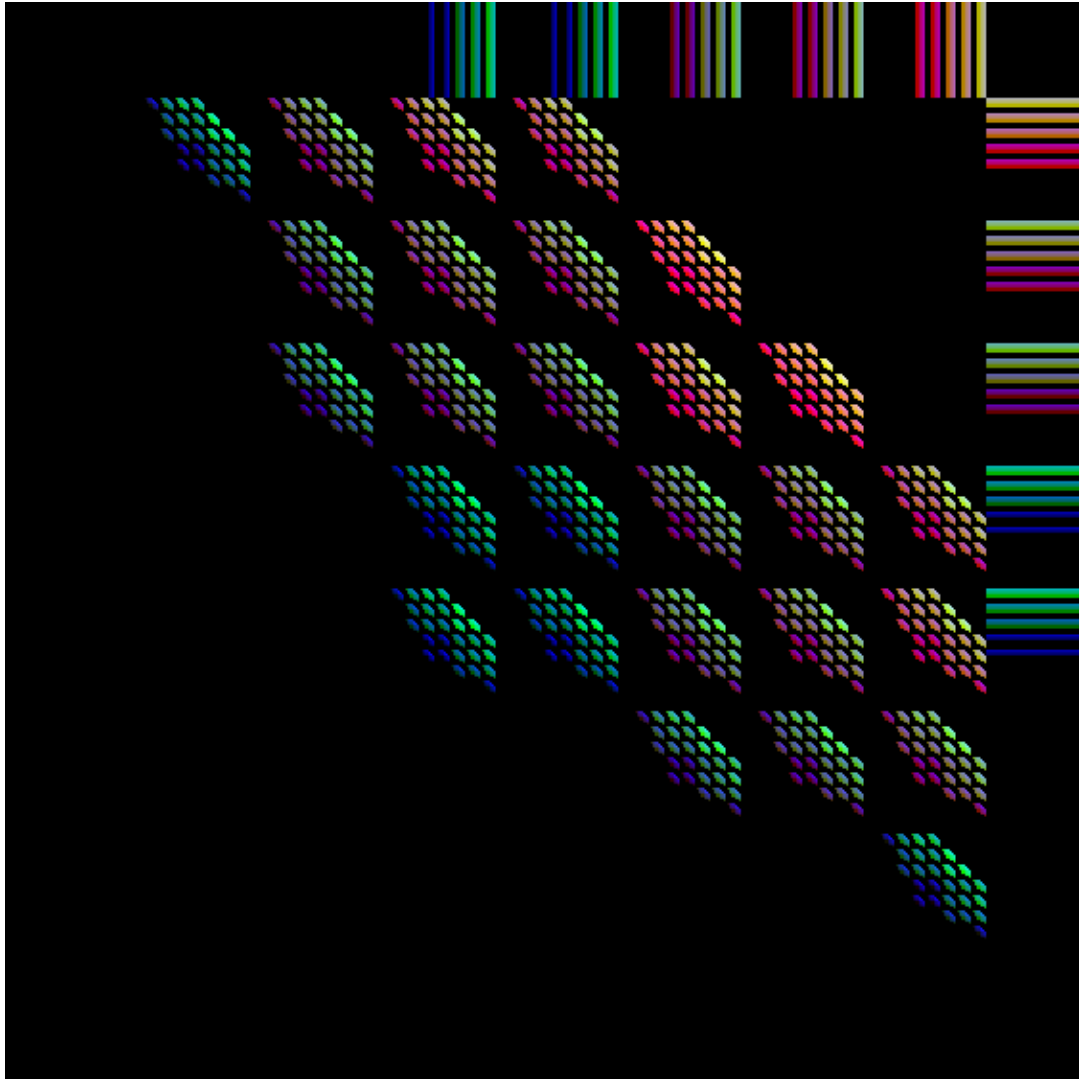
51 -0.9155 -0.5156 -0.3915 0 0.1012 0.2743 0.6610 0.5316



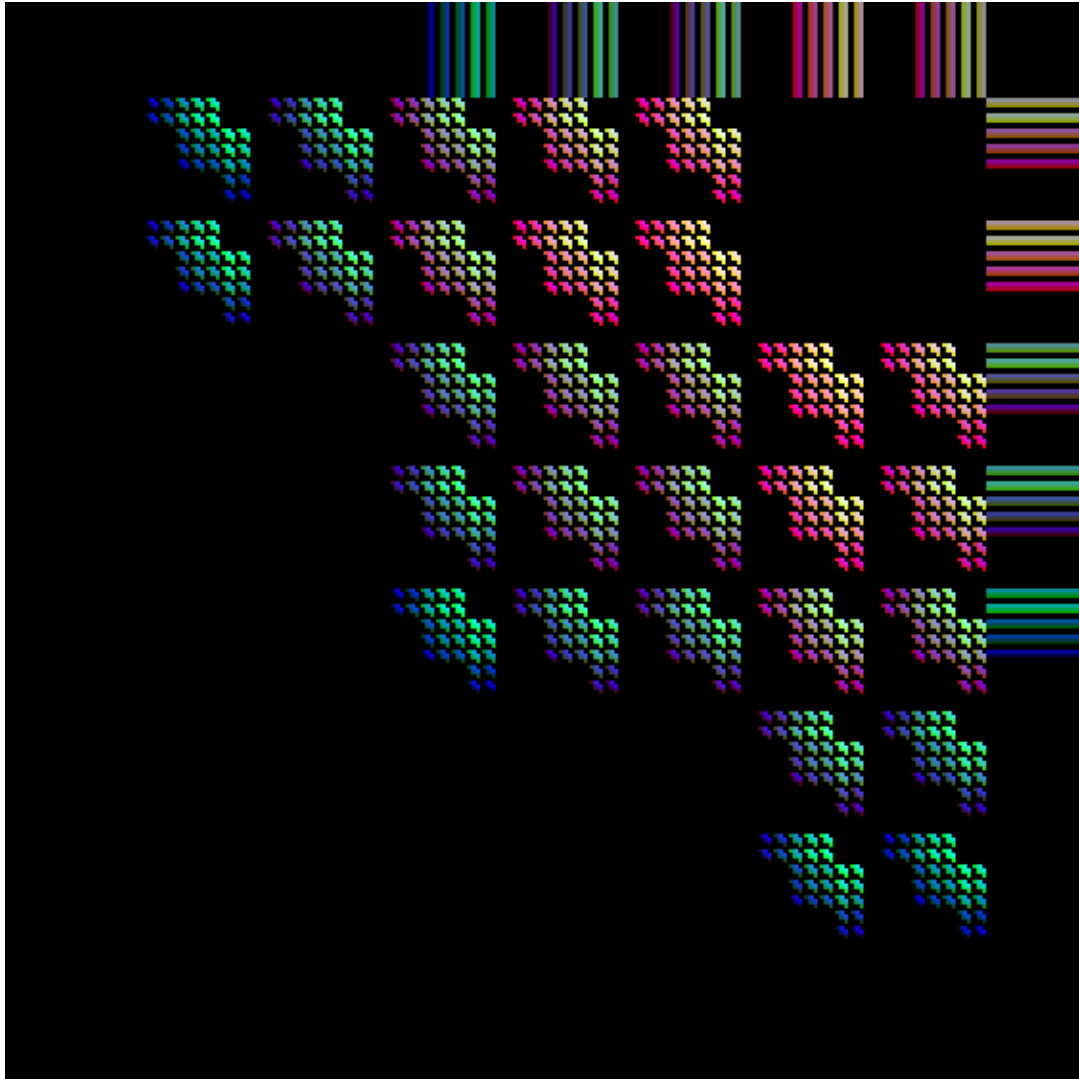
52 -0.9685 -0.5768 -0.3727 0 0.1412 0.2883 0.5356 0.7318



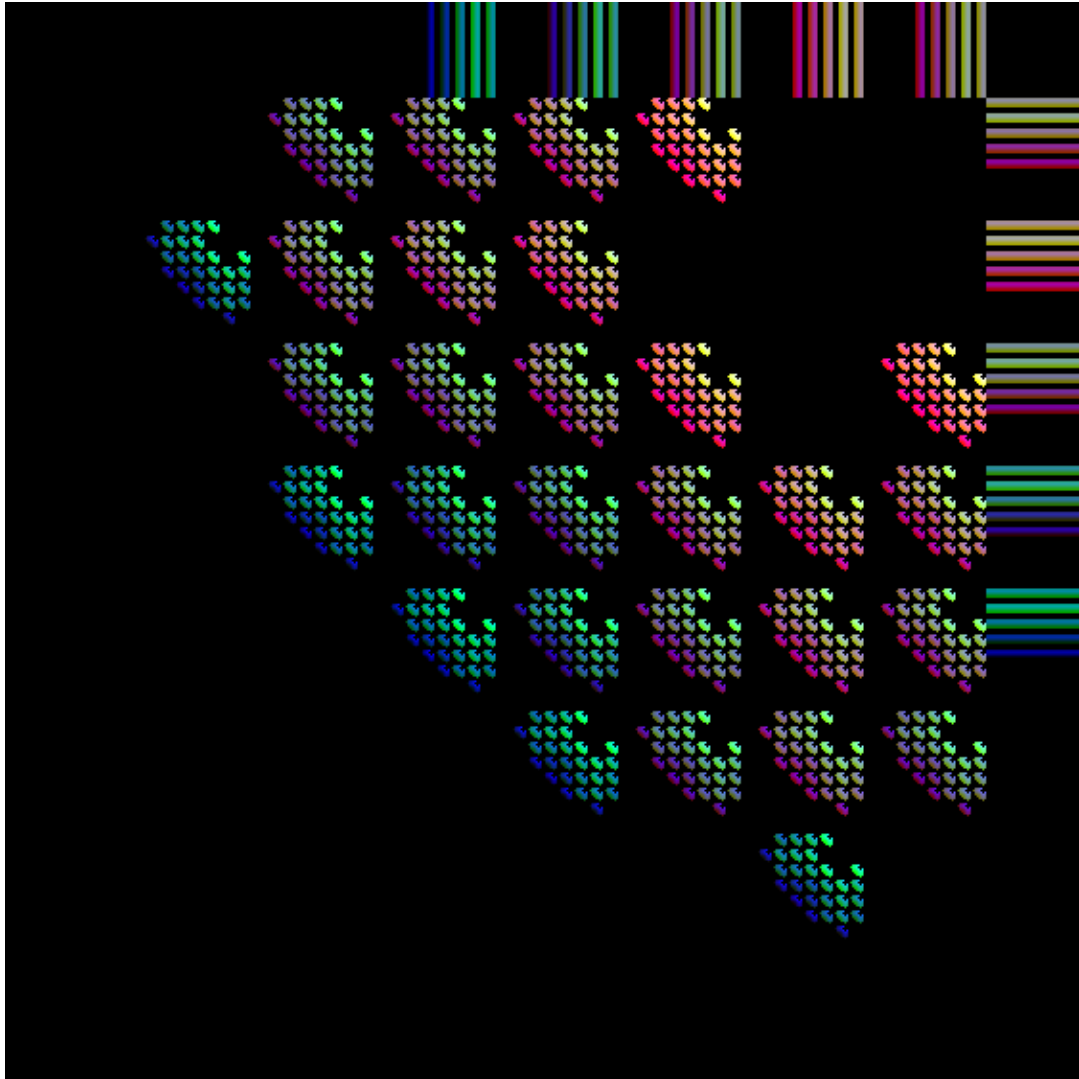
53 -0.7385 -0.6116 -0.2091 0 0.01880 0.4061 0.5225 0.6972



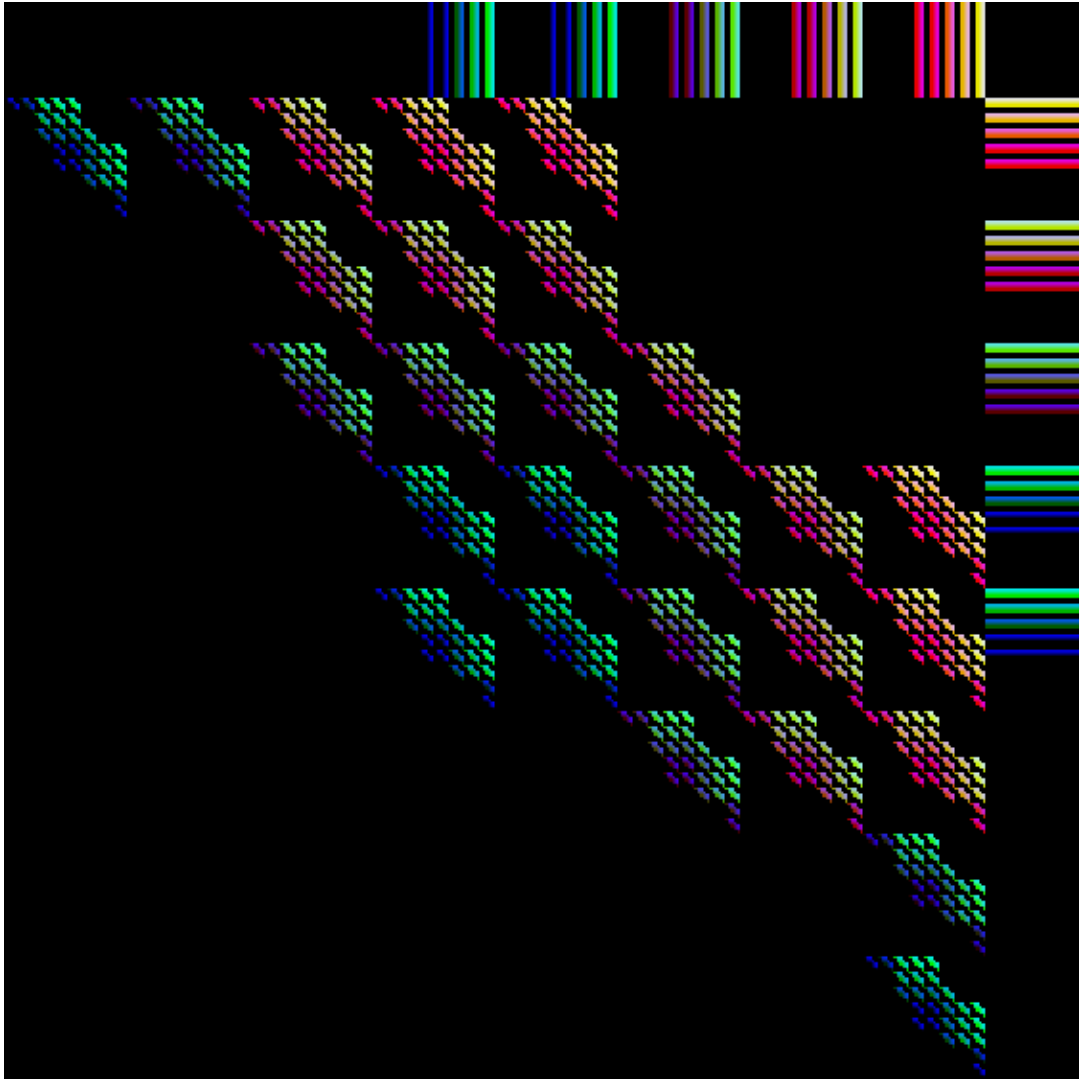
54 -0.9990 -0.5604 -0.3517 0 0.2481 0.3344 0.6410 0.5572



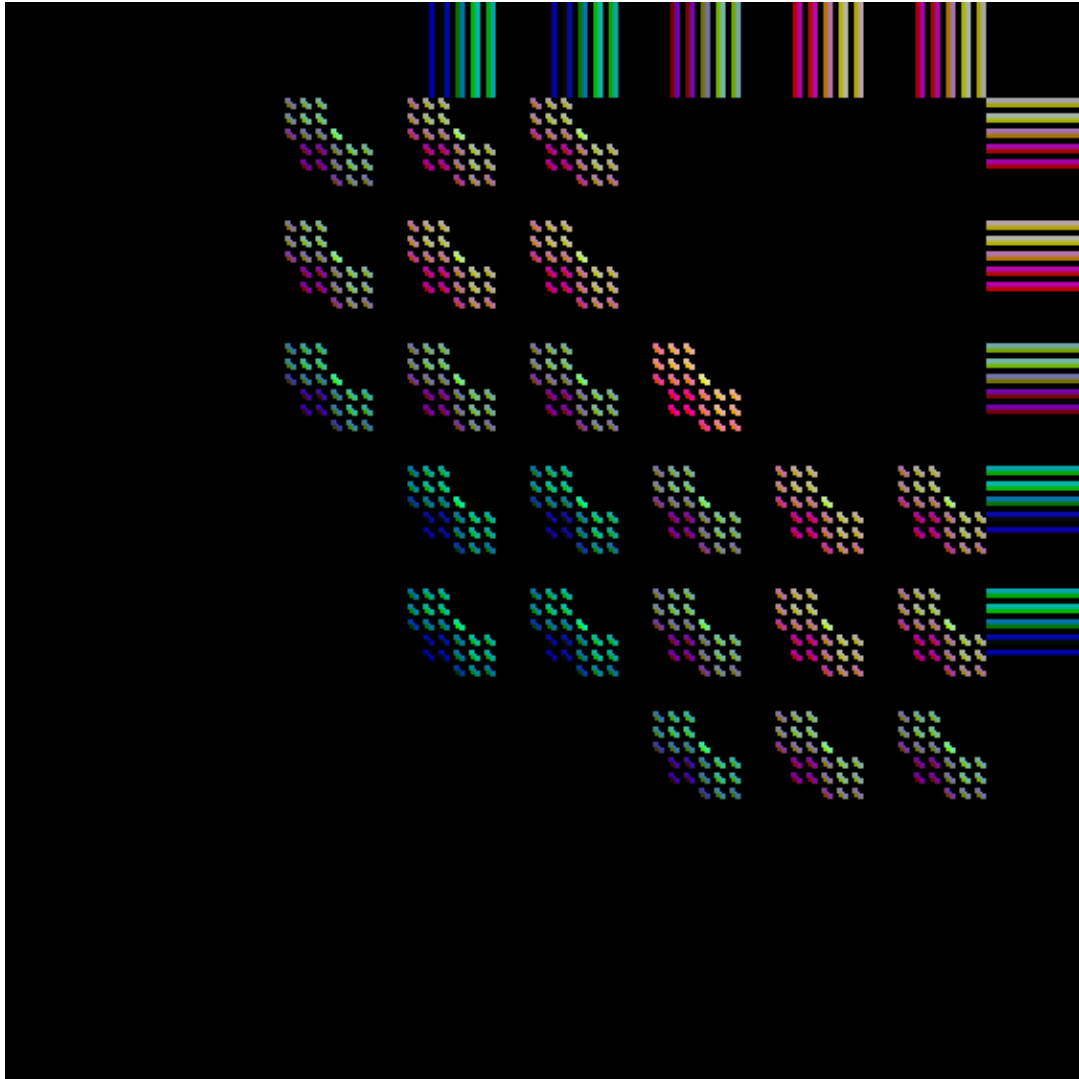
55 -0.7905 -0.5570 -0.1115 0 0.1594 0.4624 0.6400 0.5323



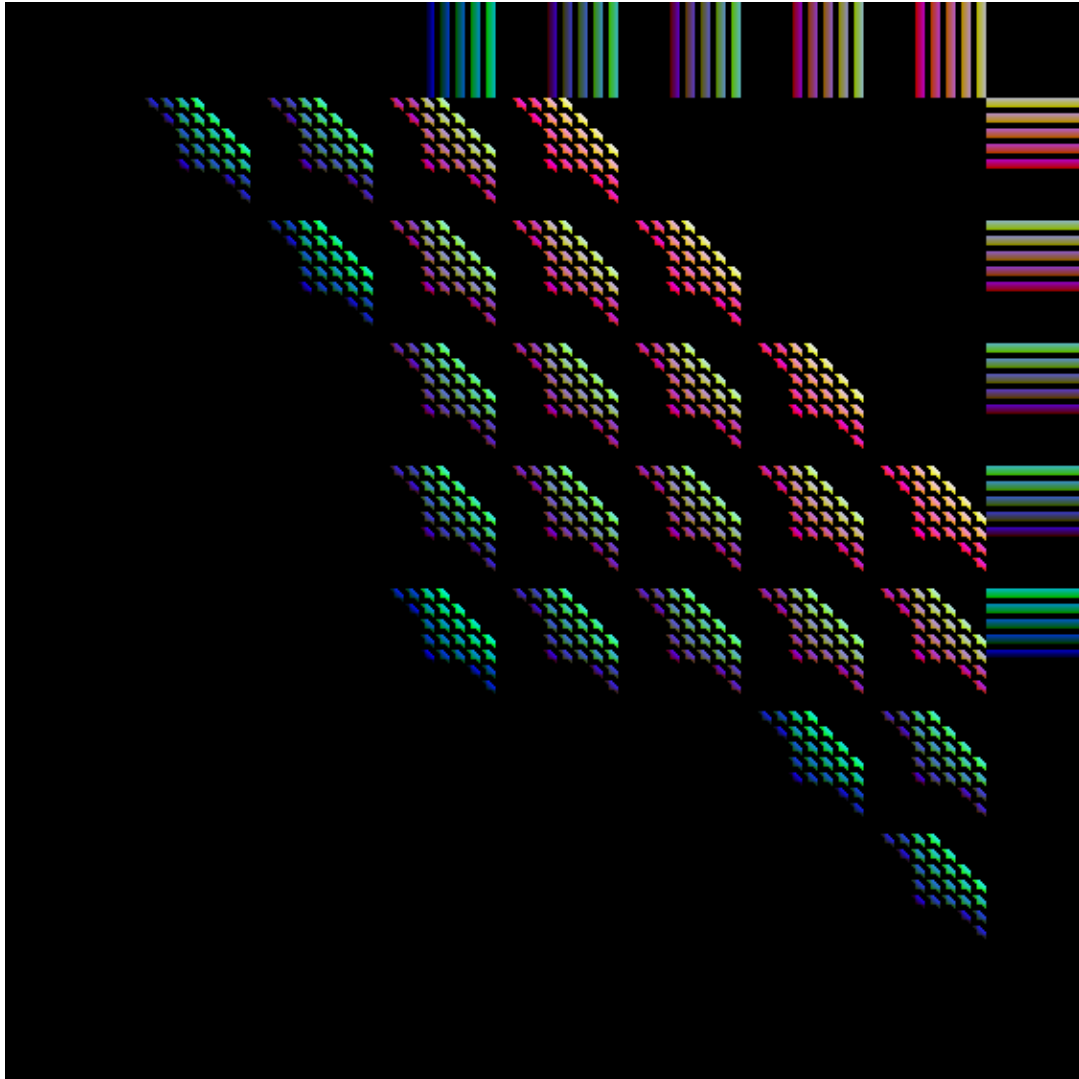
56 -0.8925 -0.7482 -0.1060 0 0.01959 0.3566 0.7047 0.8892



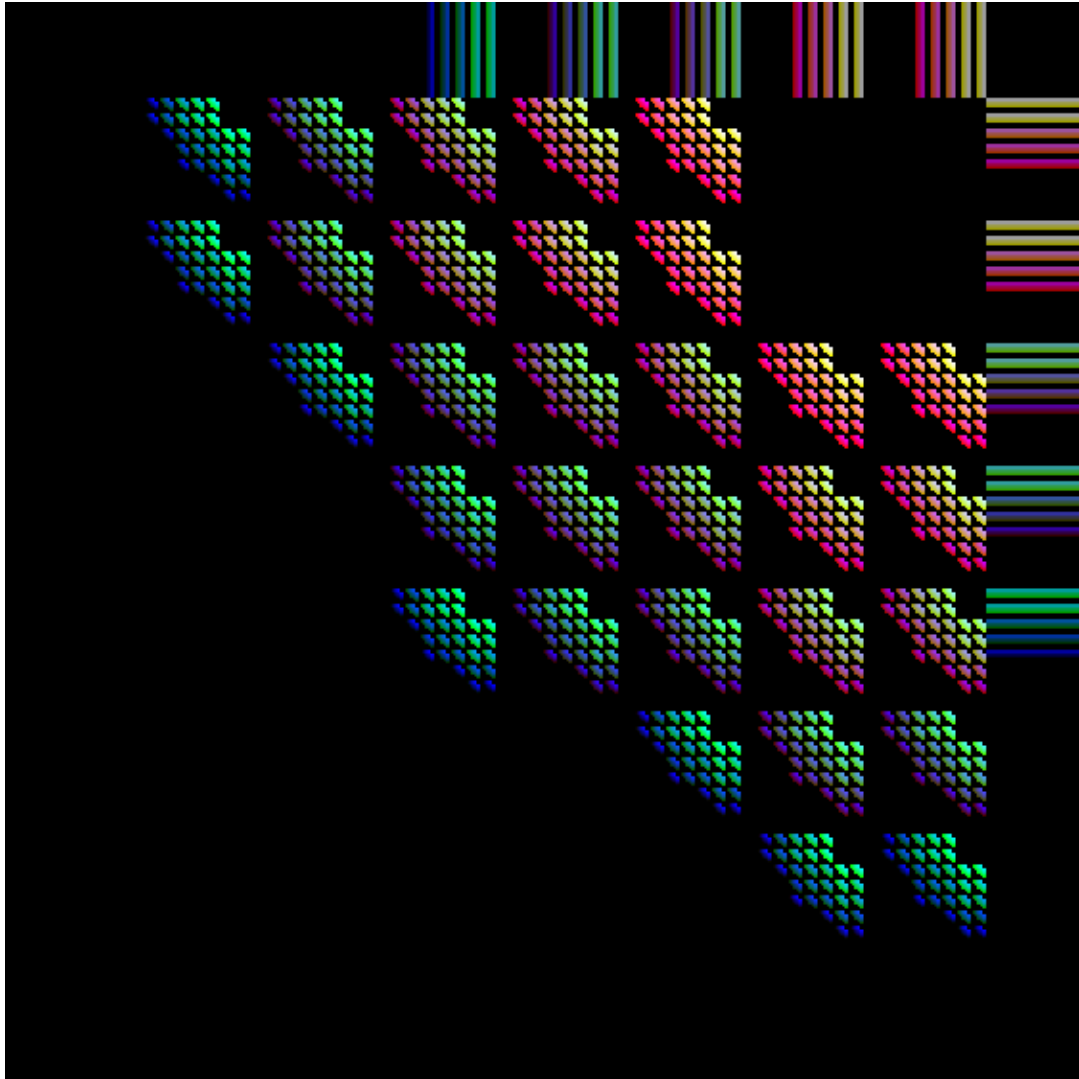
57 -0.7890 -0.7452 -0.2004 0 0.03498 0.4386 0.7150 0.6383



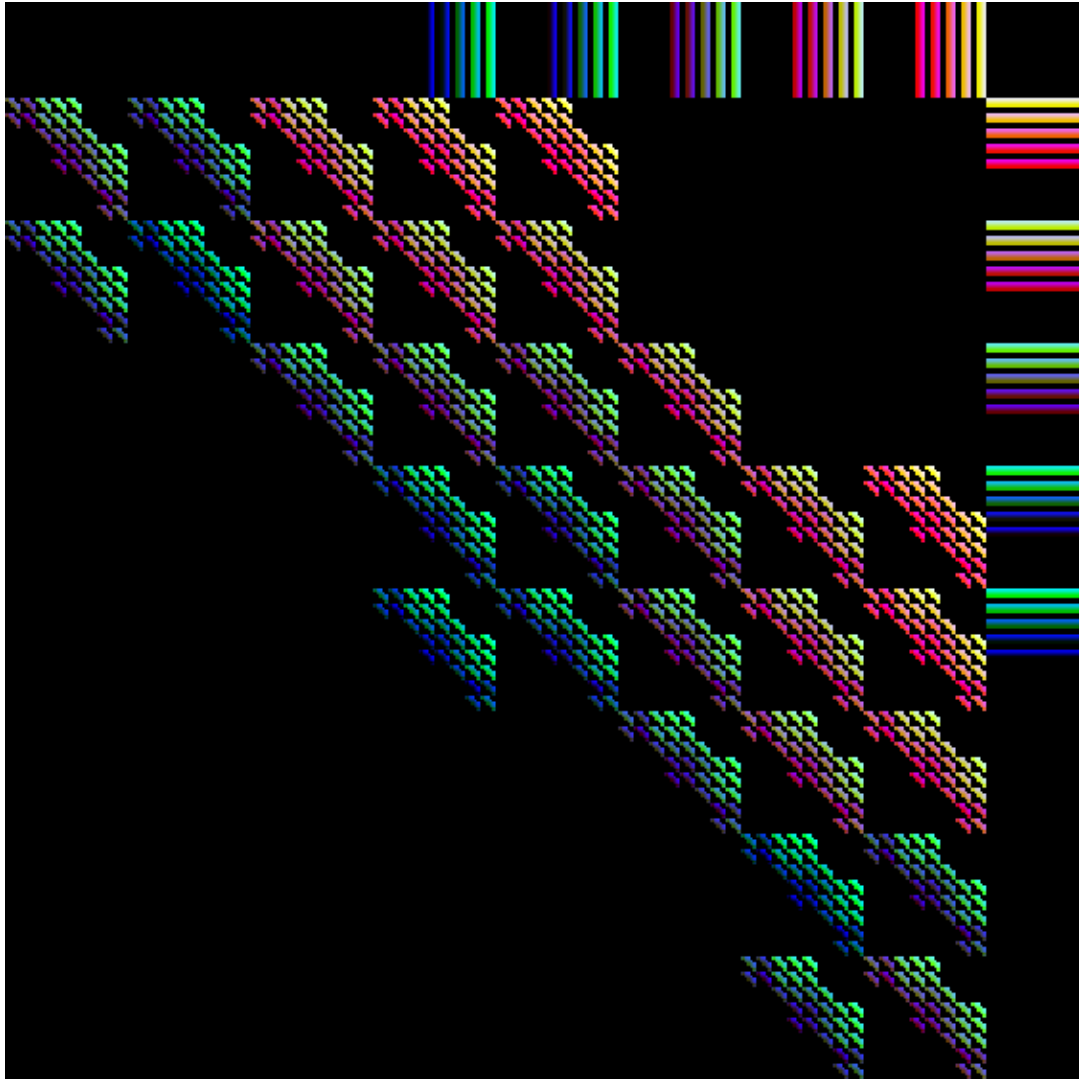
58 -0.7521 -0.5741 -0.4545 0 0.2209 0.3595 0.5457 0.7055



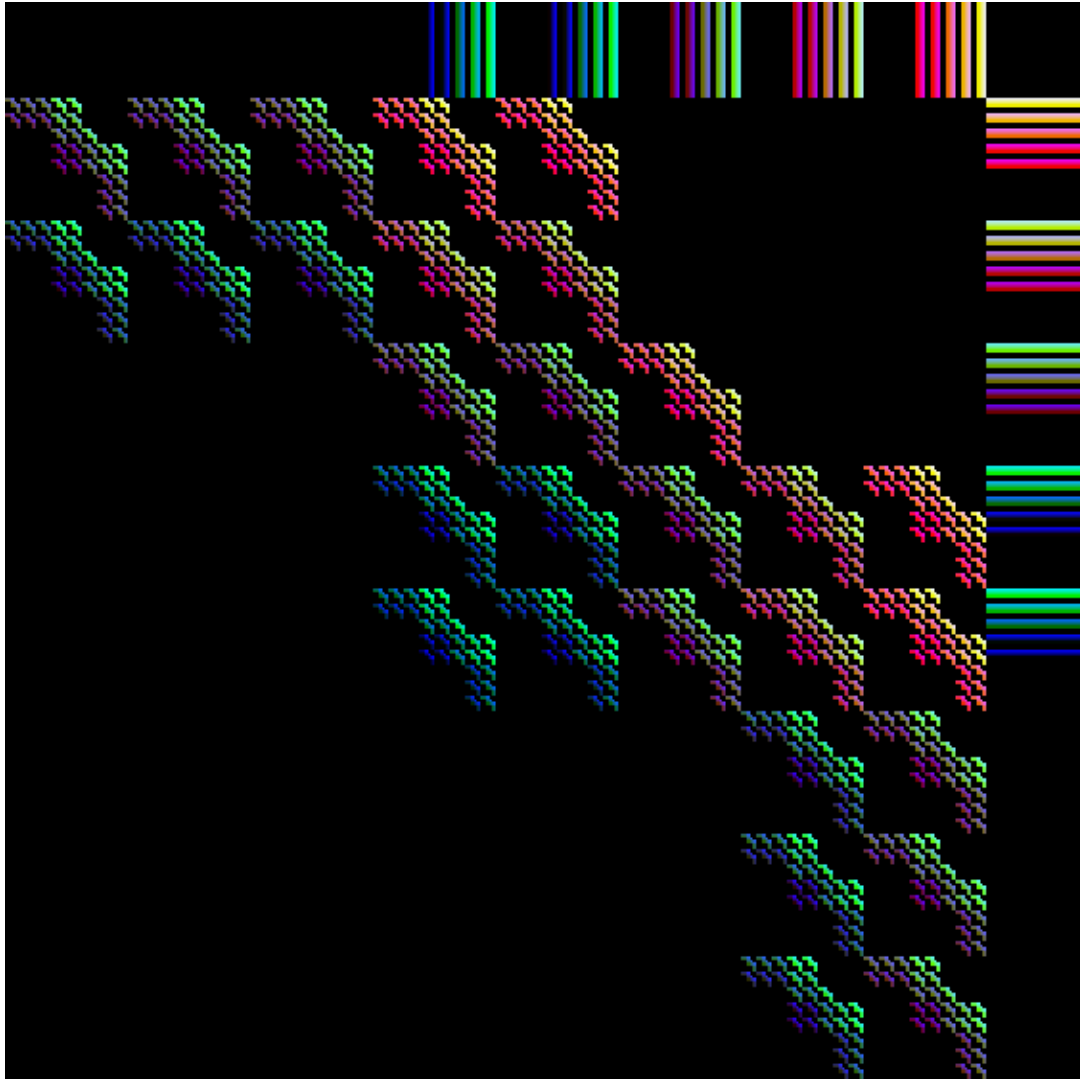
59 -0.8803 -0.5857 -0.2940 0 0.1876 0.3355 0.6179 0.6054



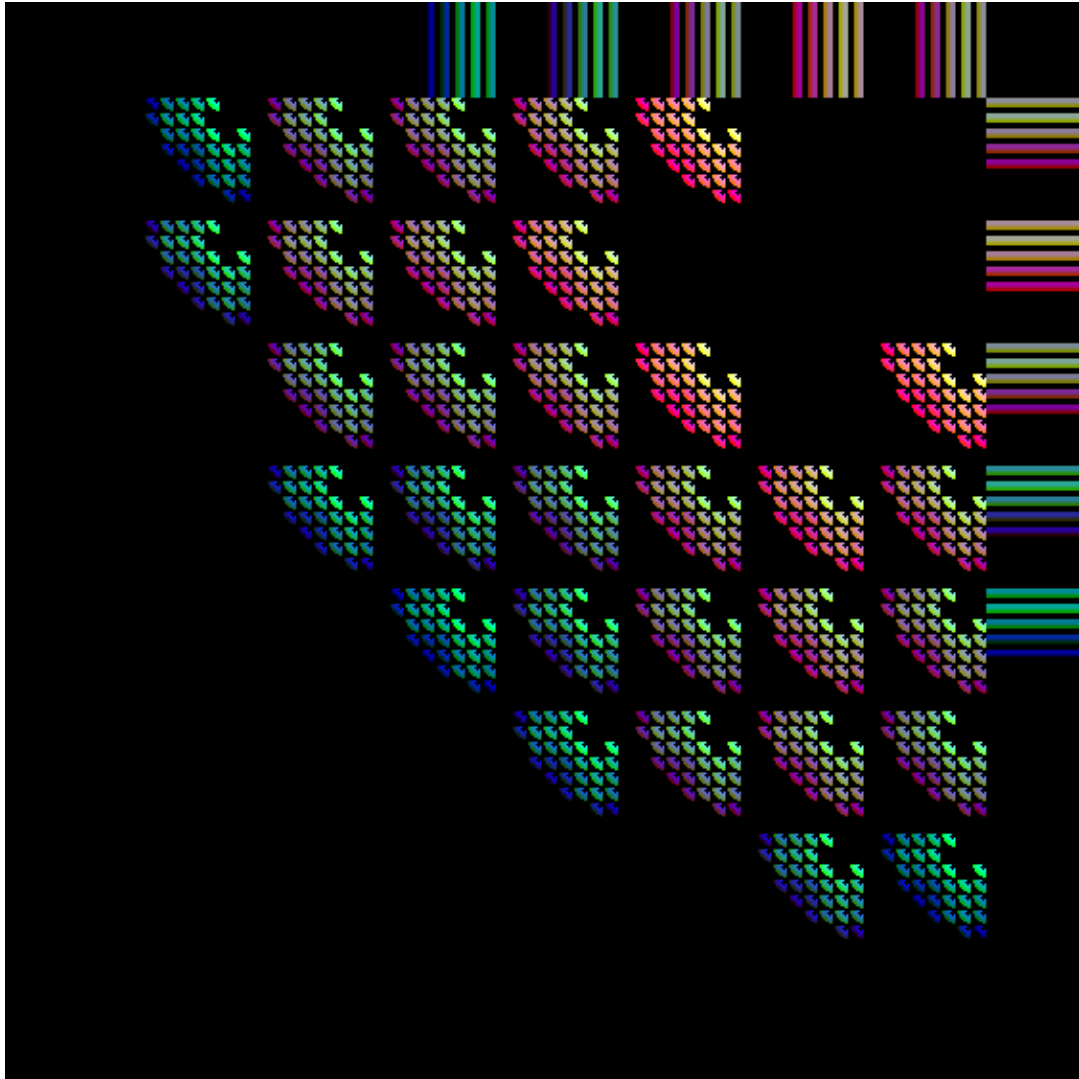
60 -0.5211 -0.6996 -0.1384 0 0.06974 0.3783 0.7200 0.9257



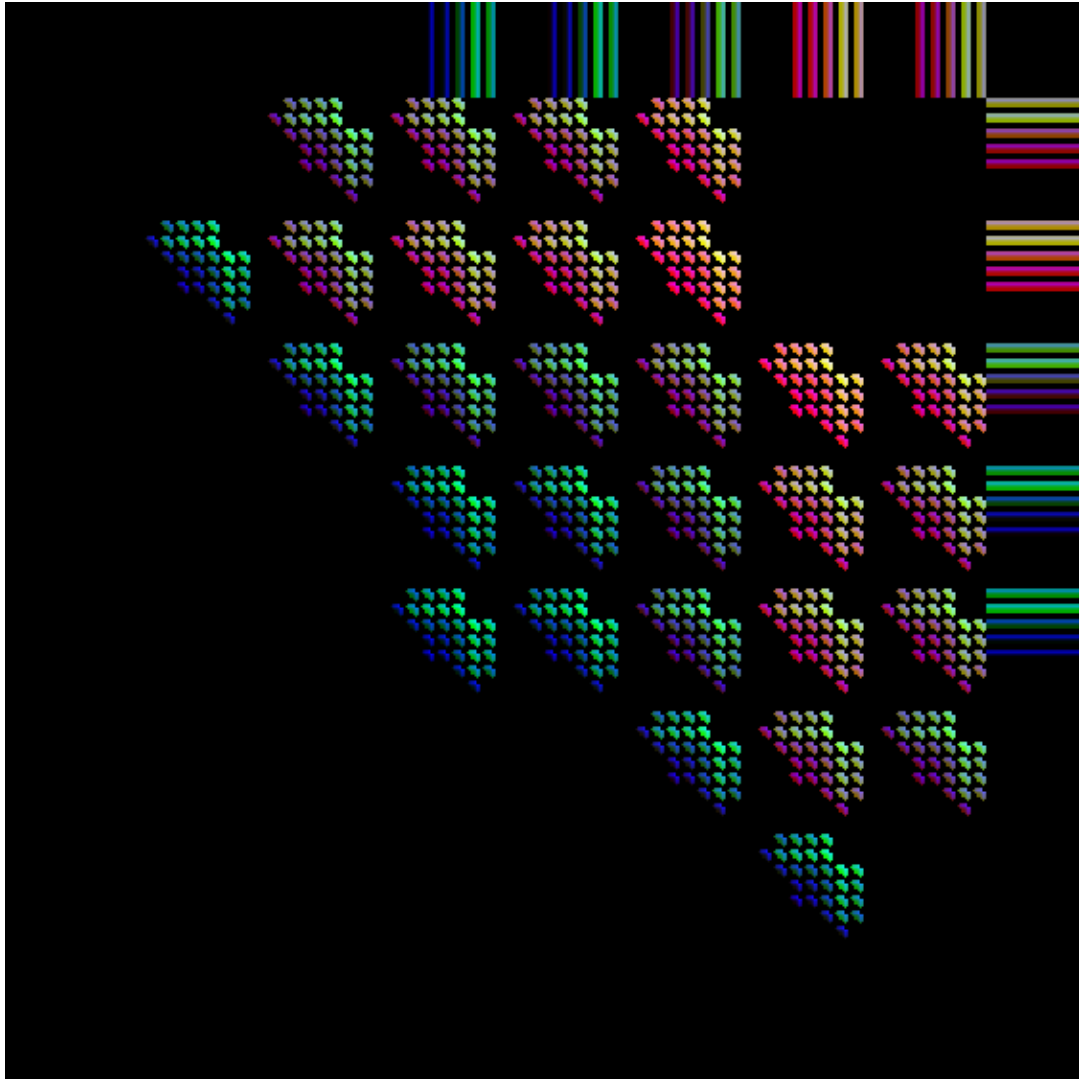
61 -0.5276 -0.5171 -0.4747 0 0.03574 0.4285 0.6911 0.9227



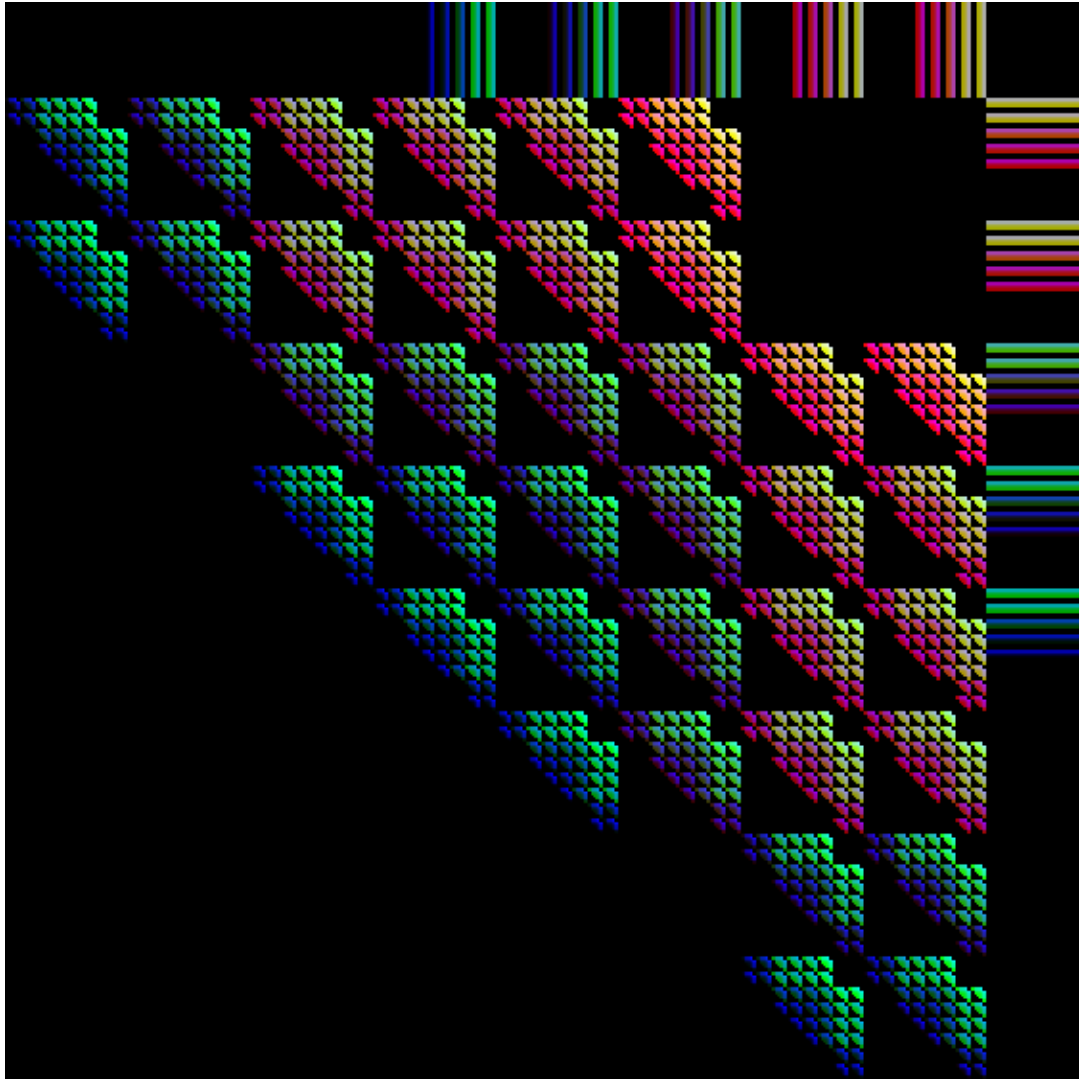
62 -0.9108 -0.5137 -0.09071 0 0.1679 0.4701 0.6476 0.5321



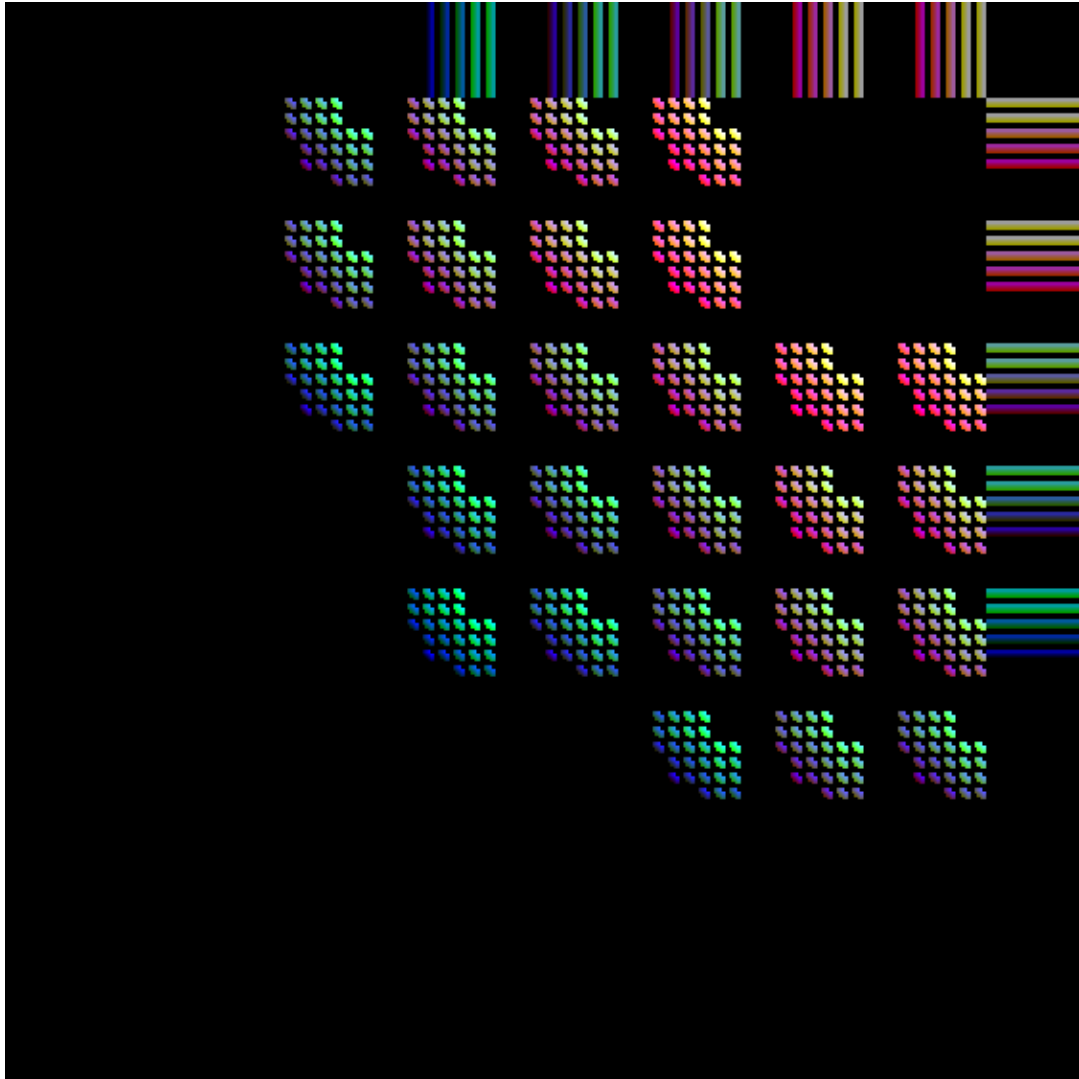
63 -0.9322 -0.5842 -0.1542 0 0.06197 0.2632 0.6585 0.5349



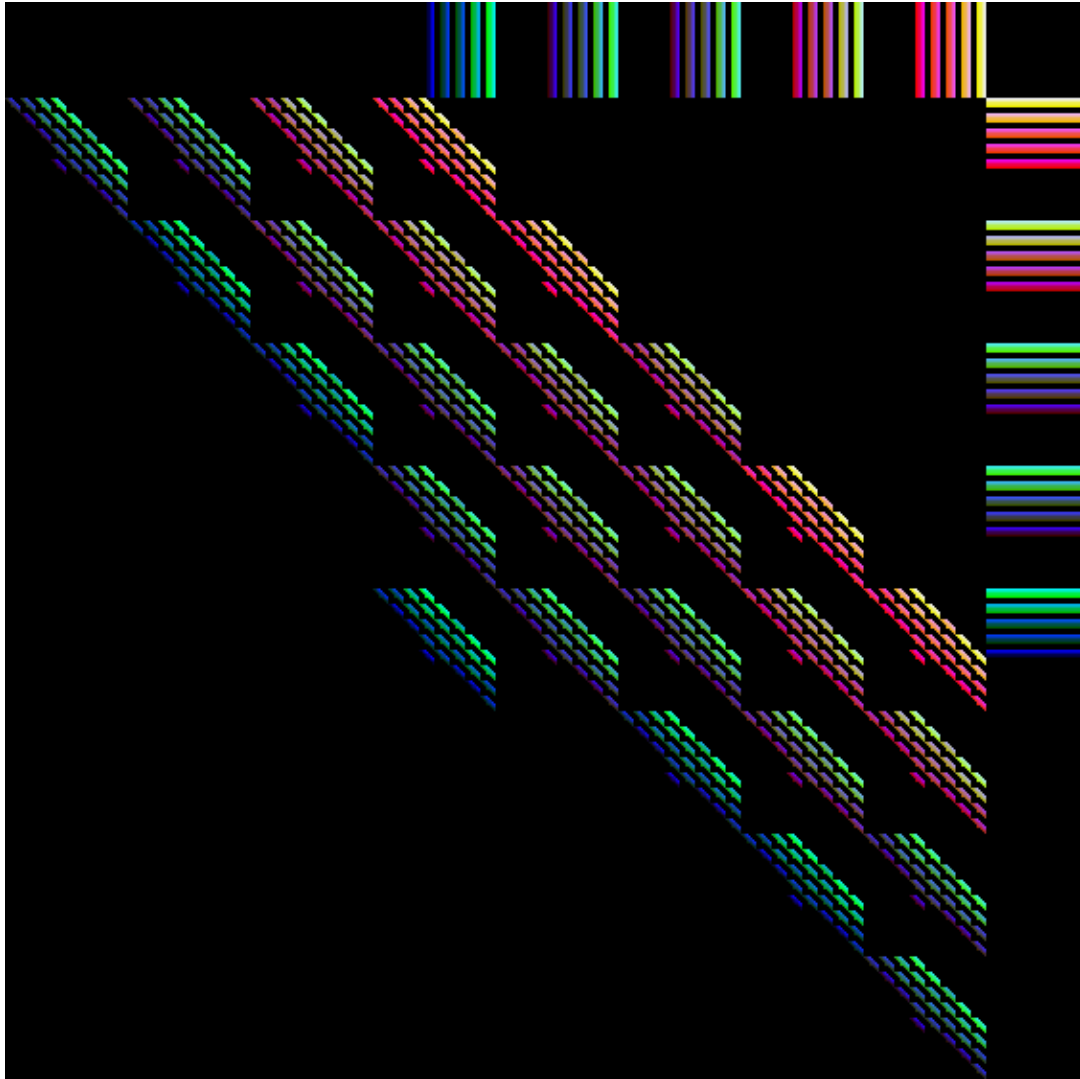
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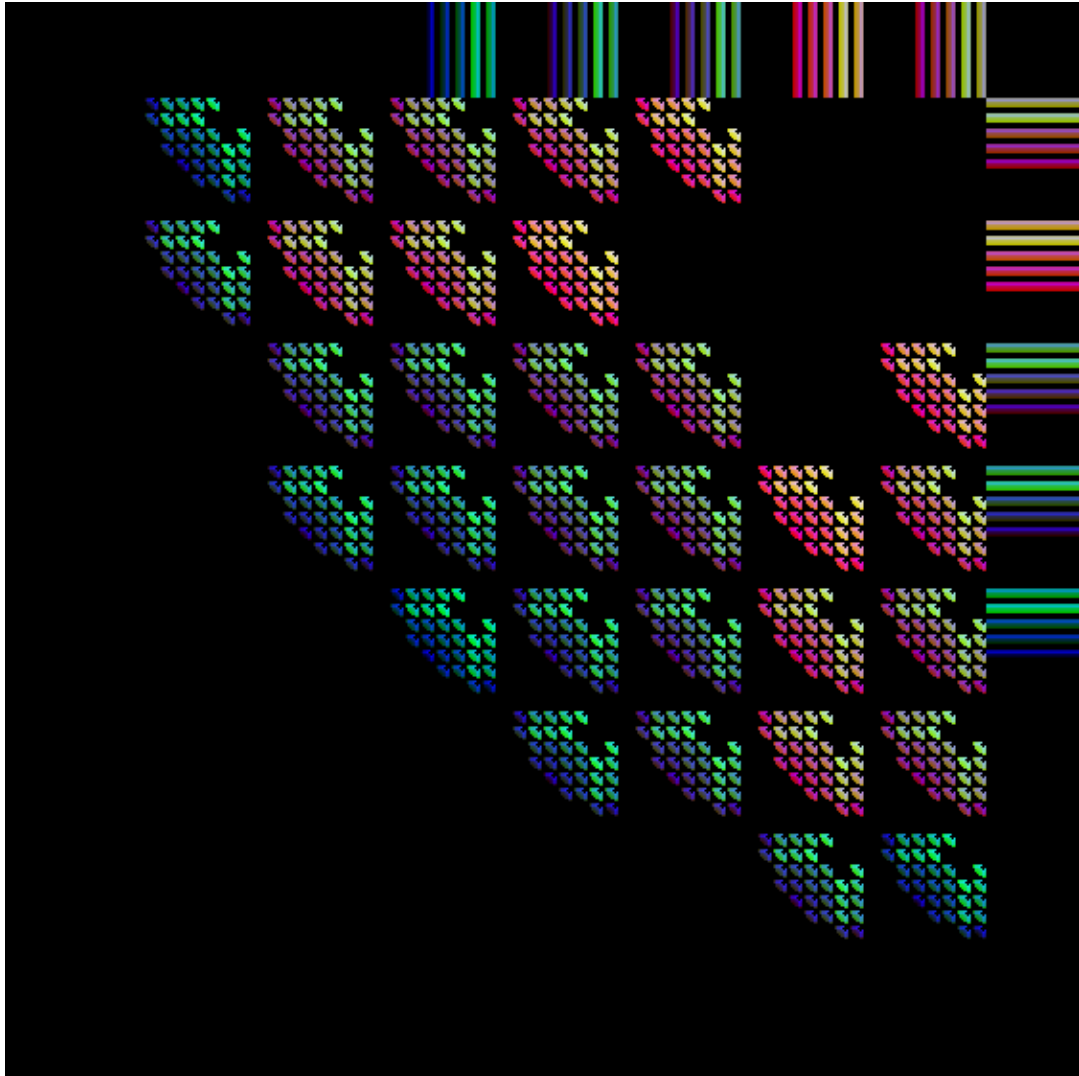
65 -0.6970 -0.7277 -0.2266 0 0.1702 0.3744 0.6171 0.5966



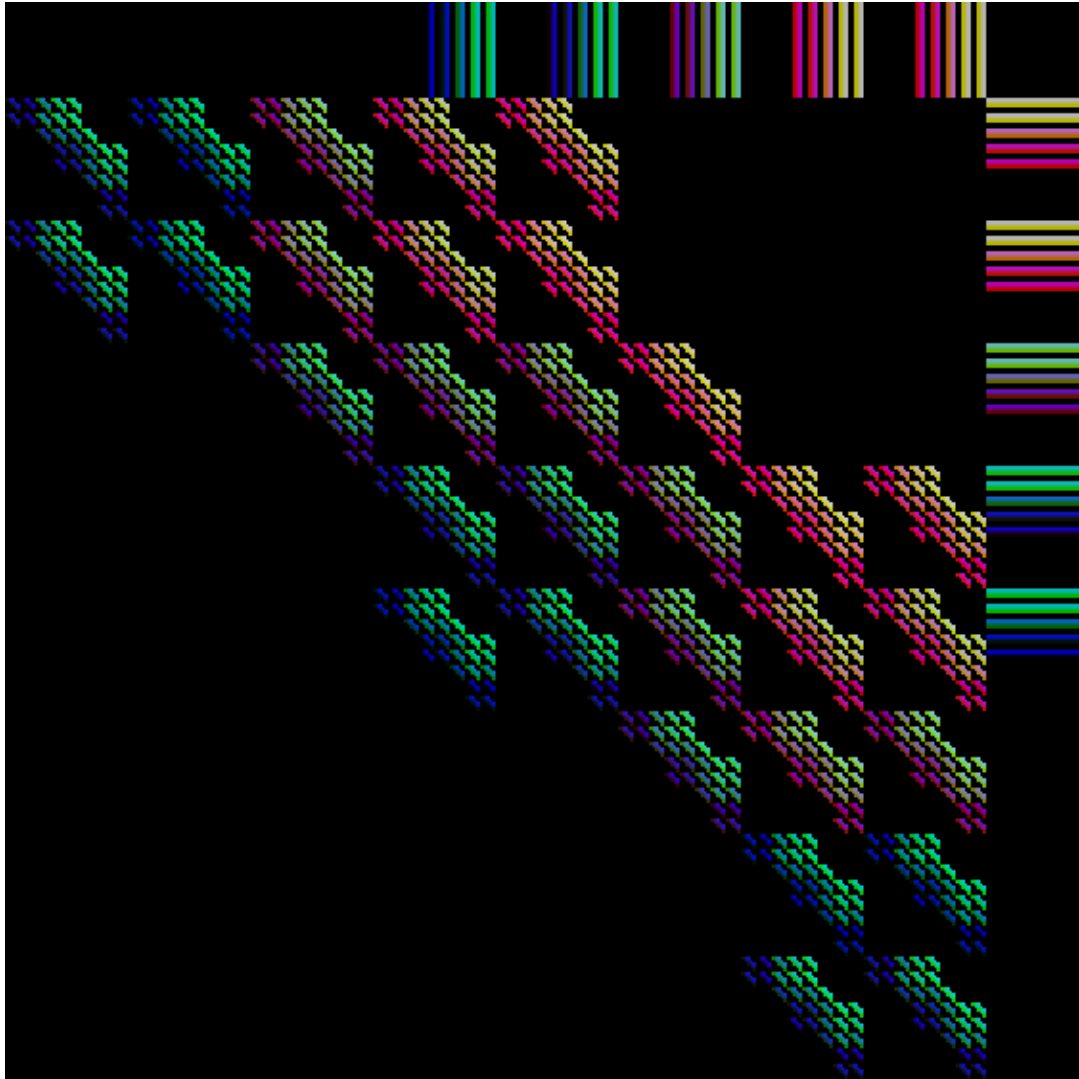
66 -0.7607 -0.6592 -0.2545 0 0.2311 0.3378 0.6913 0.9242



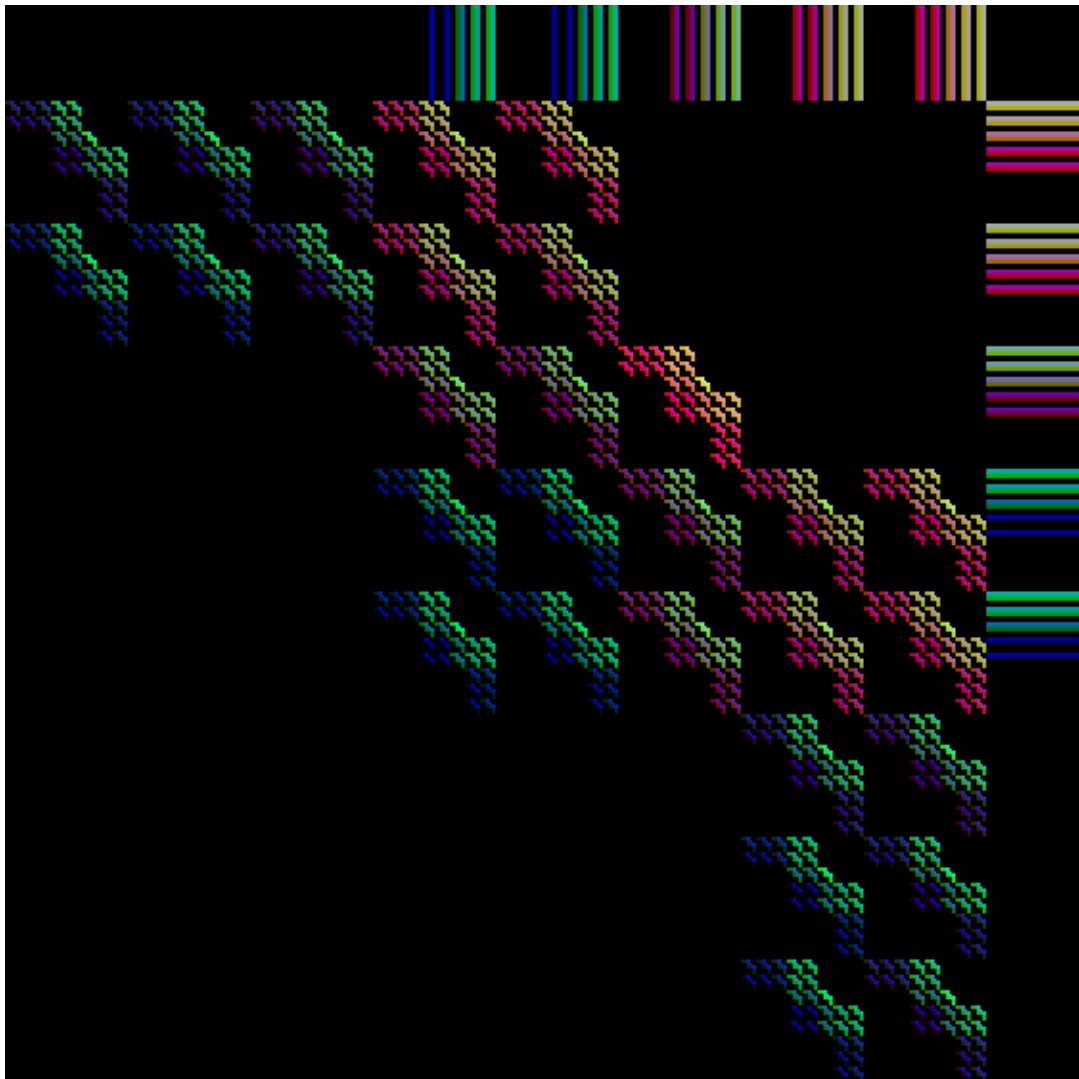
67 -0.9645 -0.5016 -0.02328 0 0.1616 0.2992 0.7190 0.5655



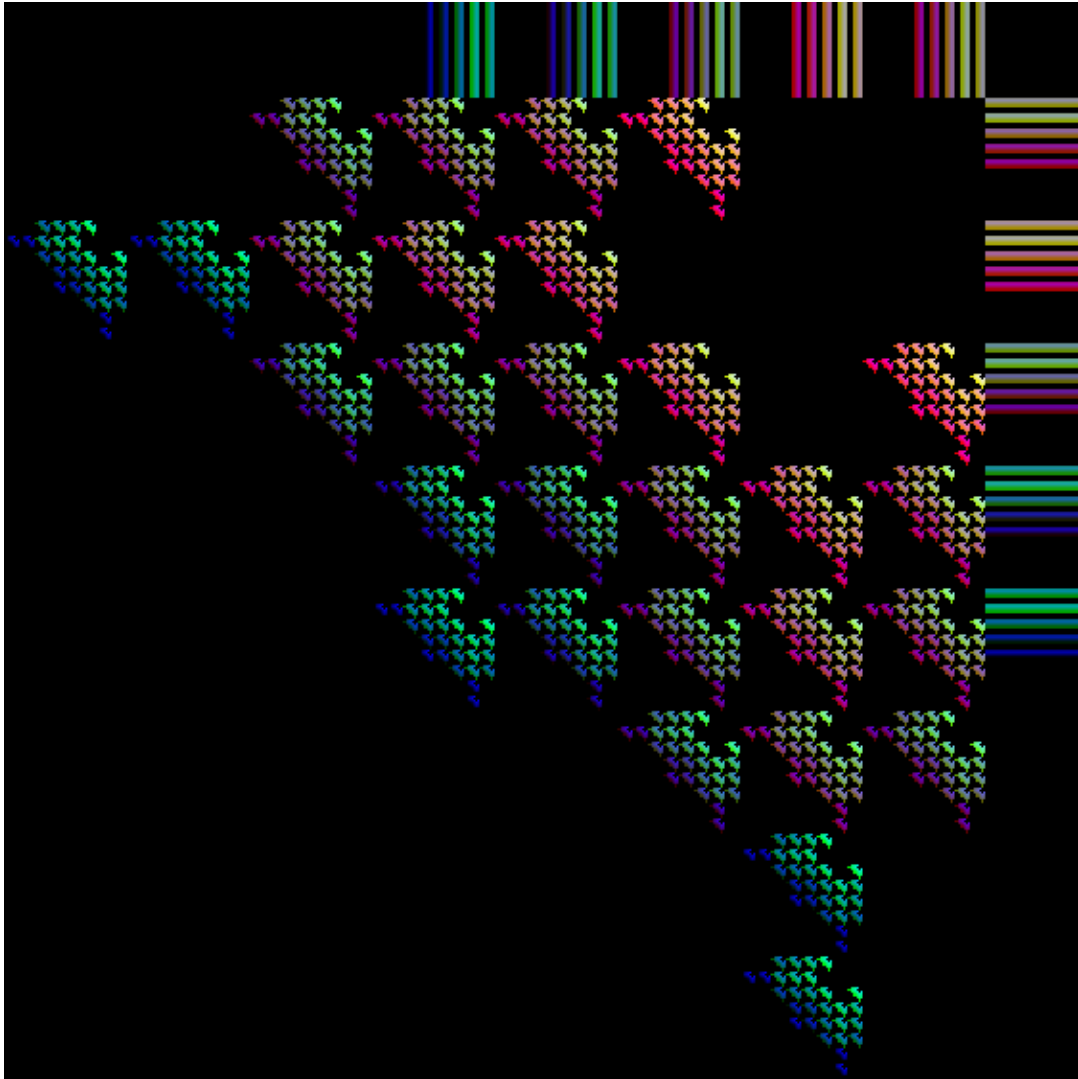
68 -0.6230 -0.7010 -0.1945 0 0.08792 0.4045 0.7057 0.6912



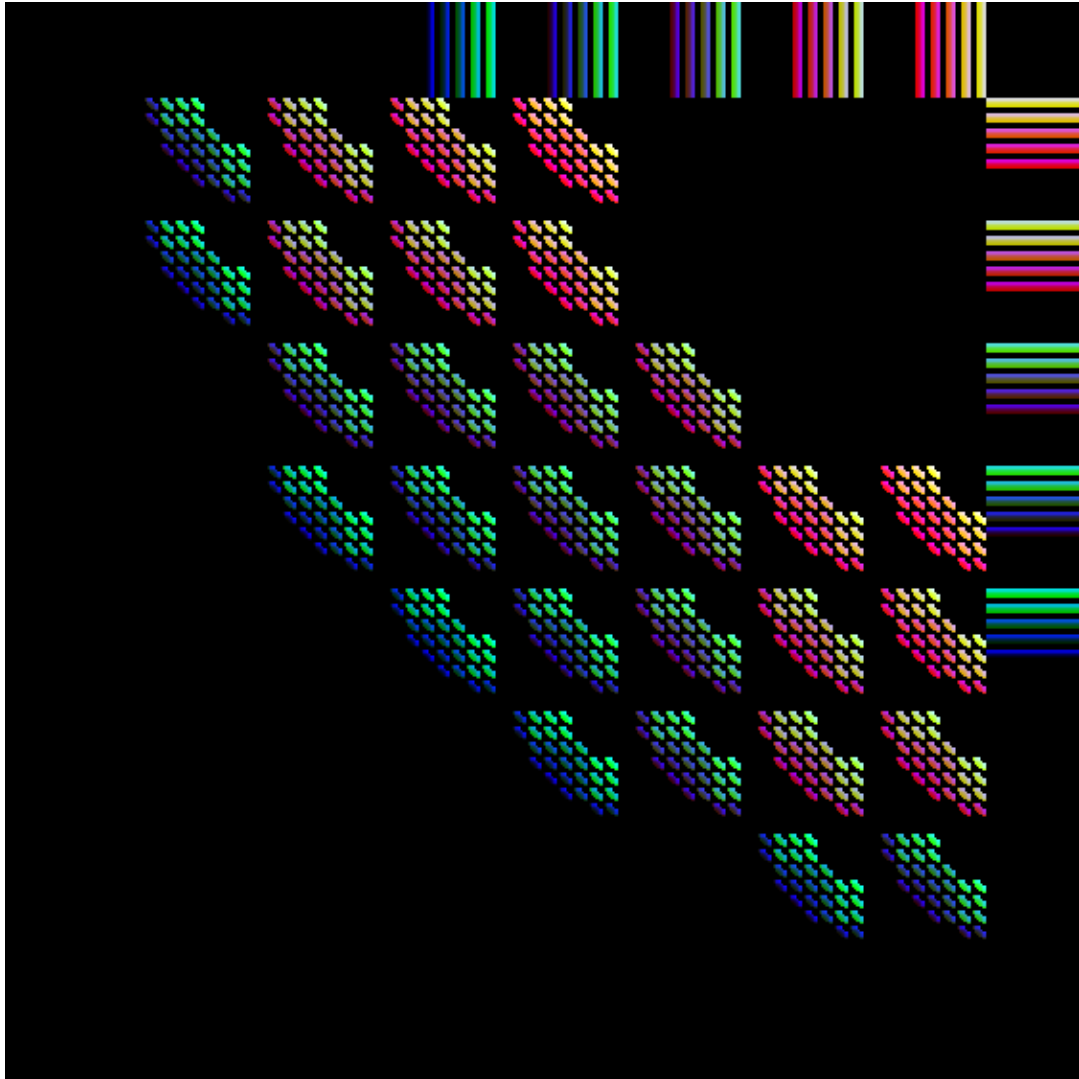
69 -0.5455 -0.5649 -0.4715 0 0.007545 0.4243 0.6077 0.6852



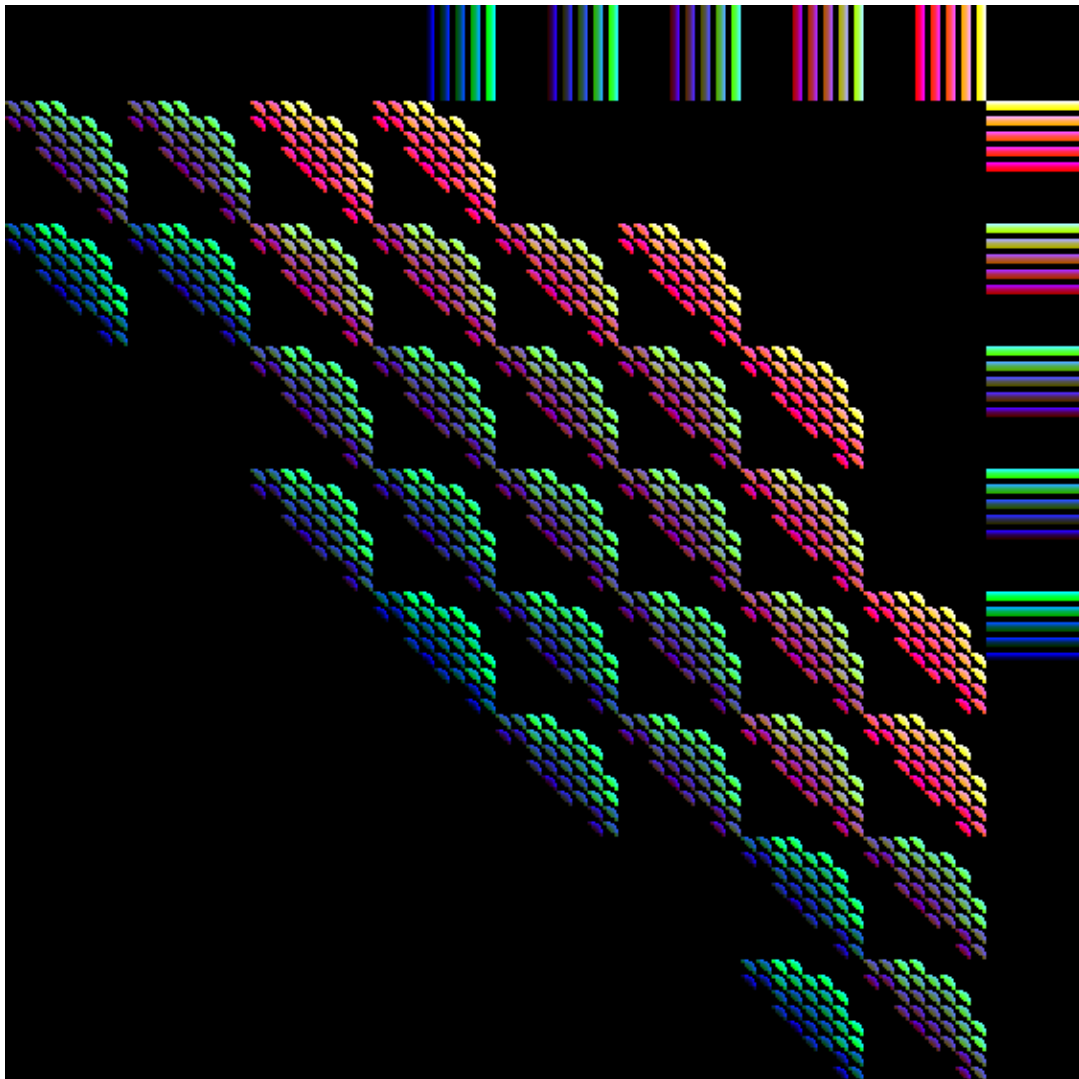
70 -0.6373 -0.6335 -0.1648 0 0.1210 0.3934 0.6496 0.5433



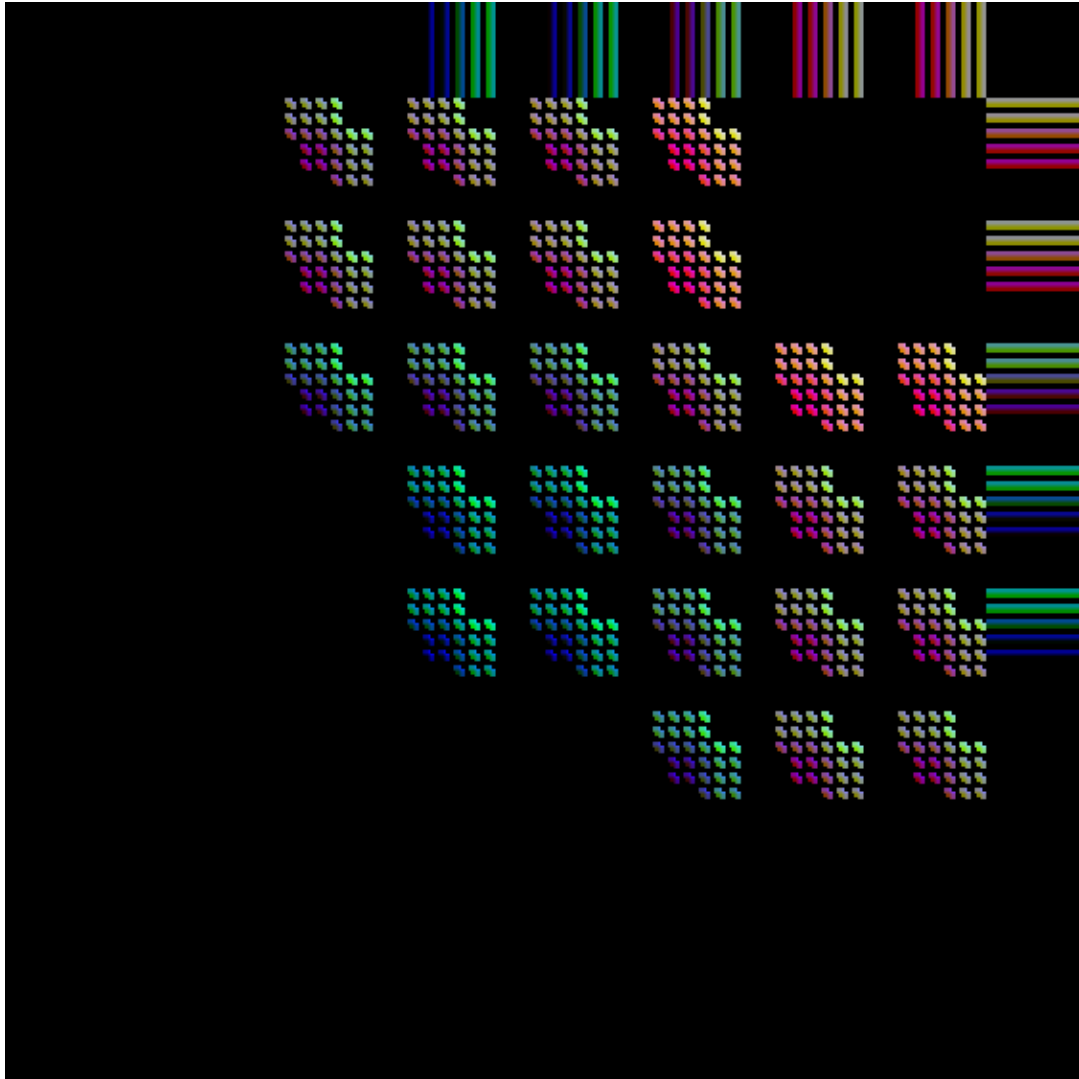
71 -0.9014 -0.6797 -0.1121 0 0.1474 0.3334 0.7482 0.8472



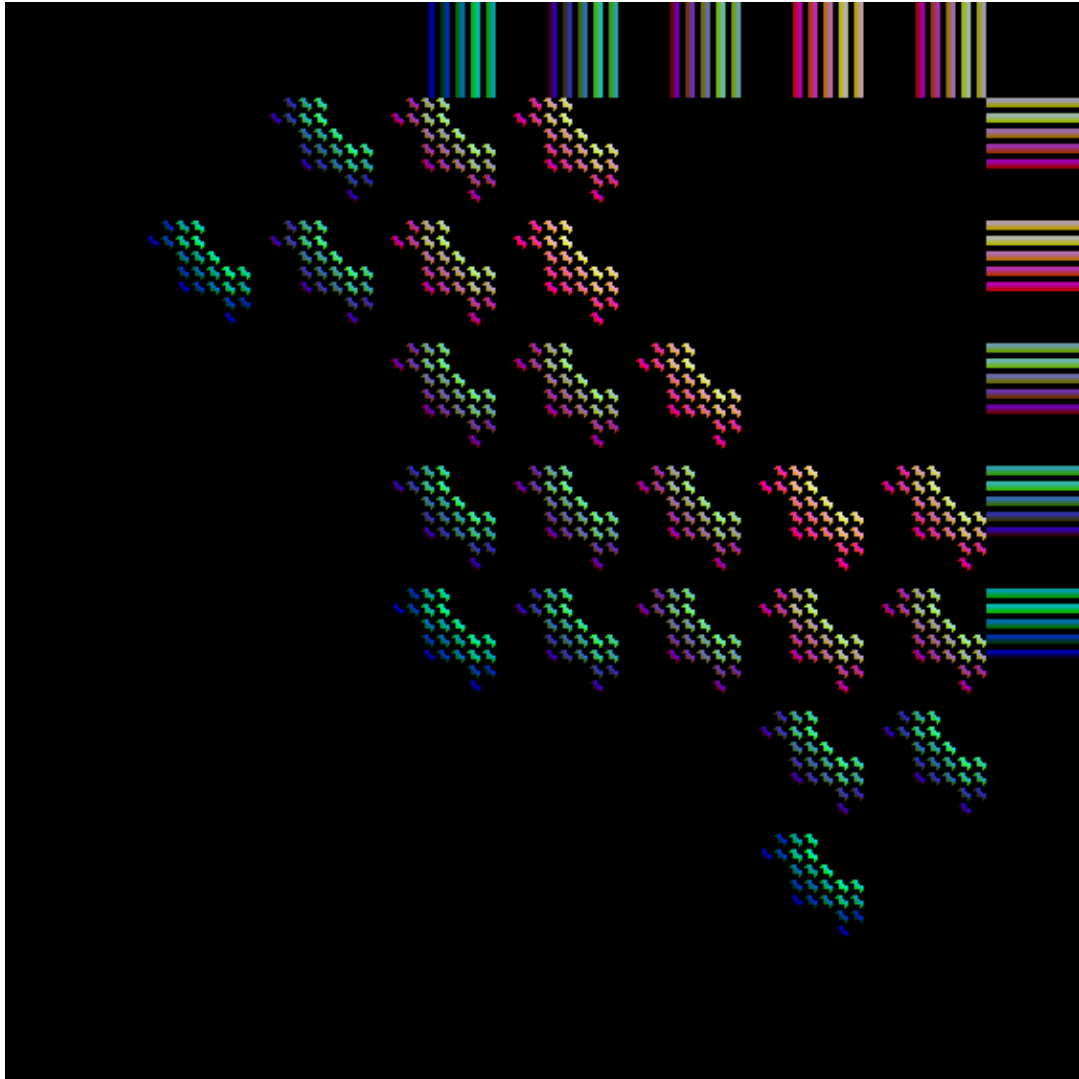
72 -0.6158 -0.5596 -0.01807 0 0.1764 0.3264 0.6608 0.9744



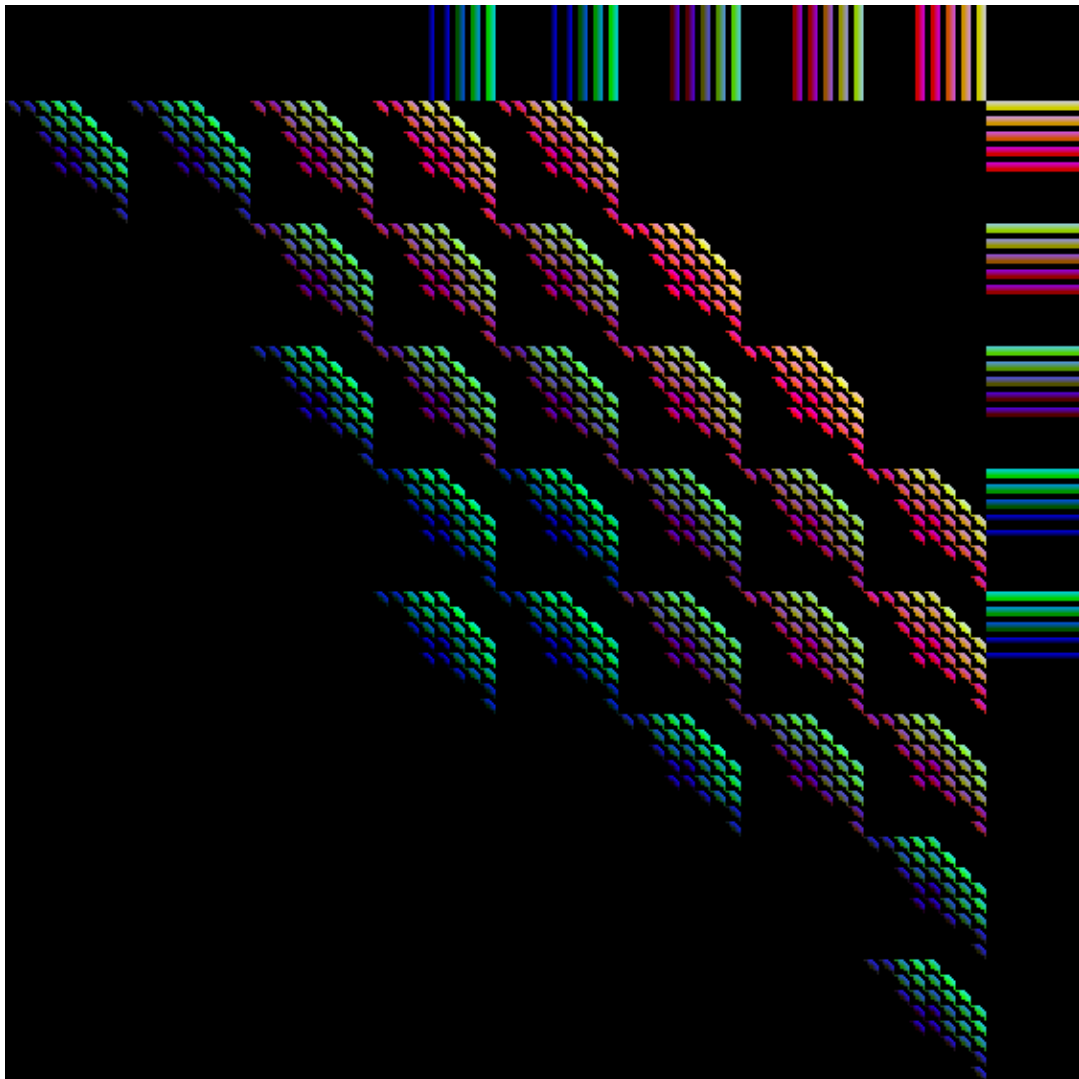
73 -0.8466 -0.6846 -0.05908 0 0.03350 0.2921 0.5605 0.5798



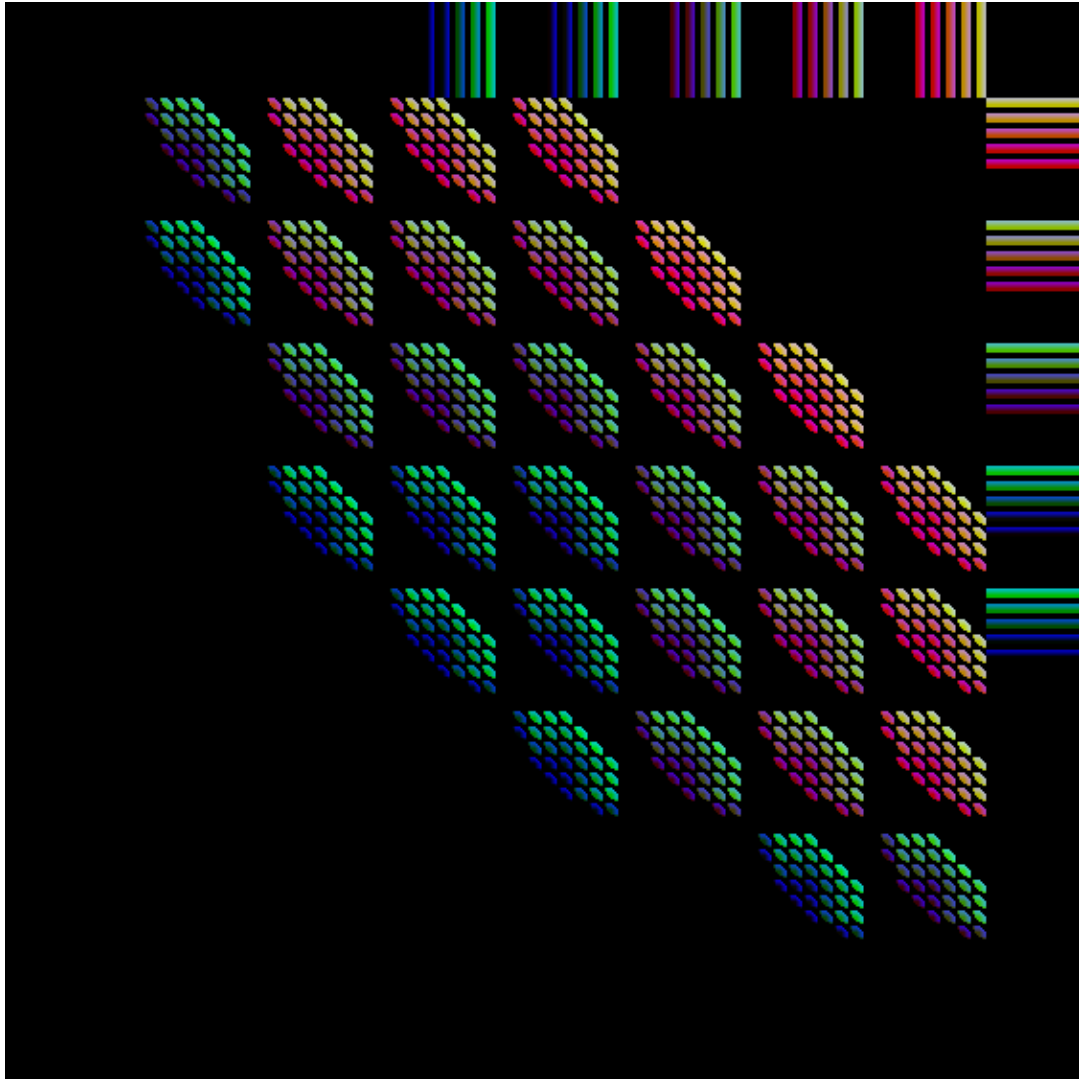
74 -0.8542 -0.6744 -0.4565 0 0.1900 0.4329 0.6927 0.6177



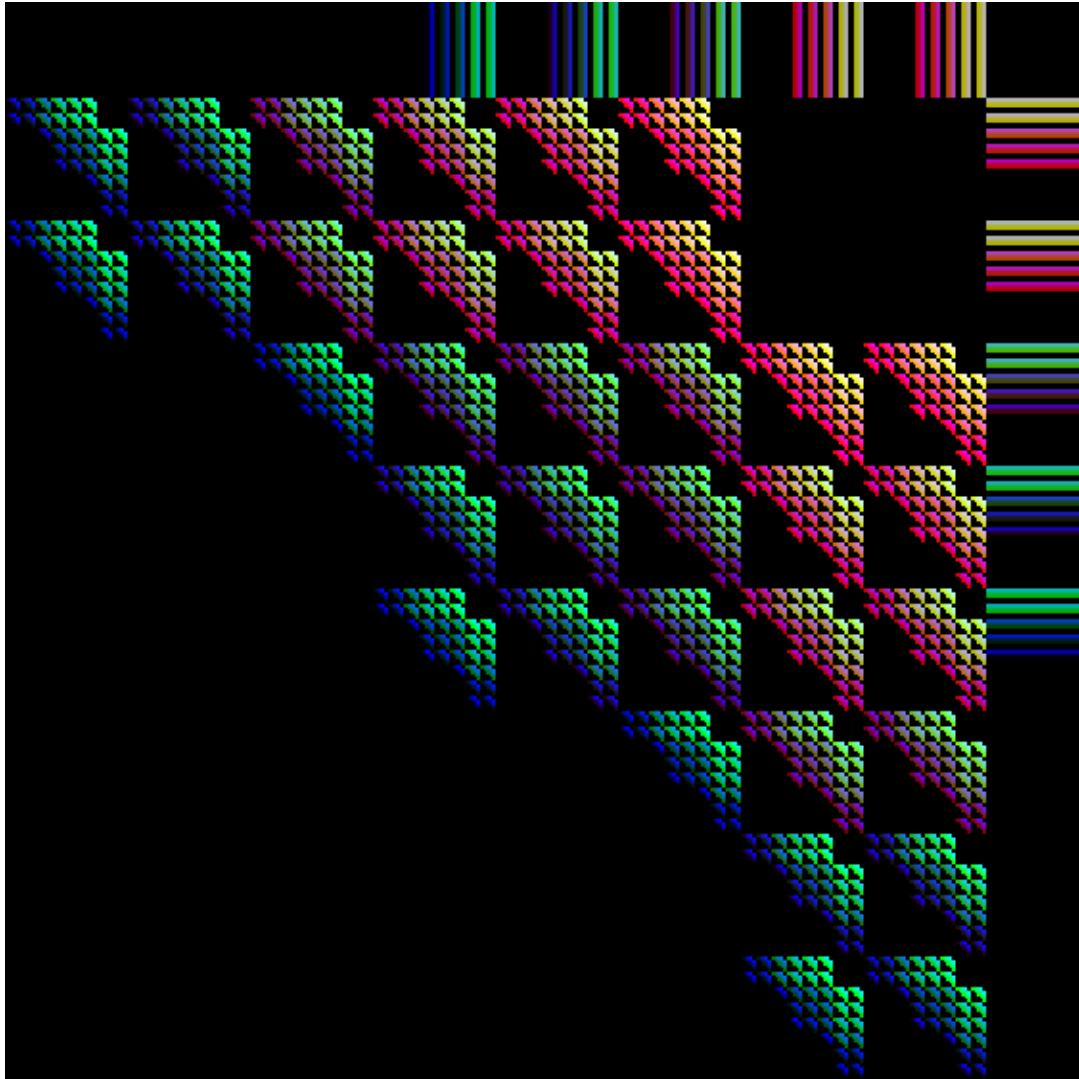
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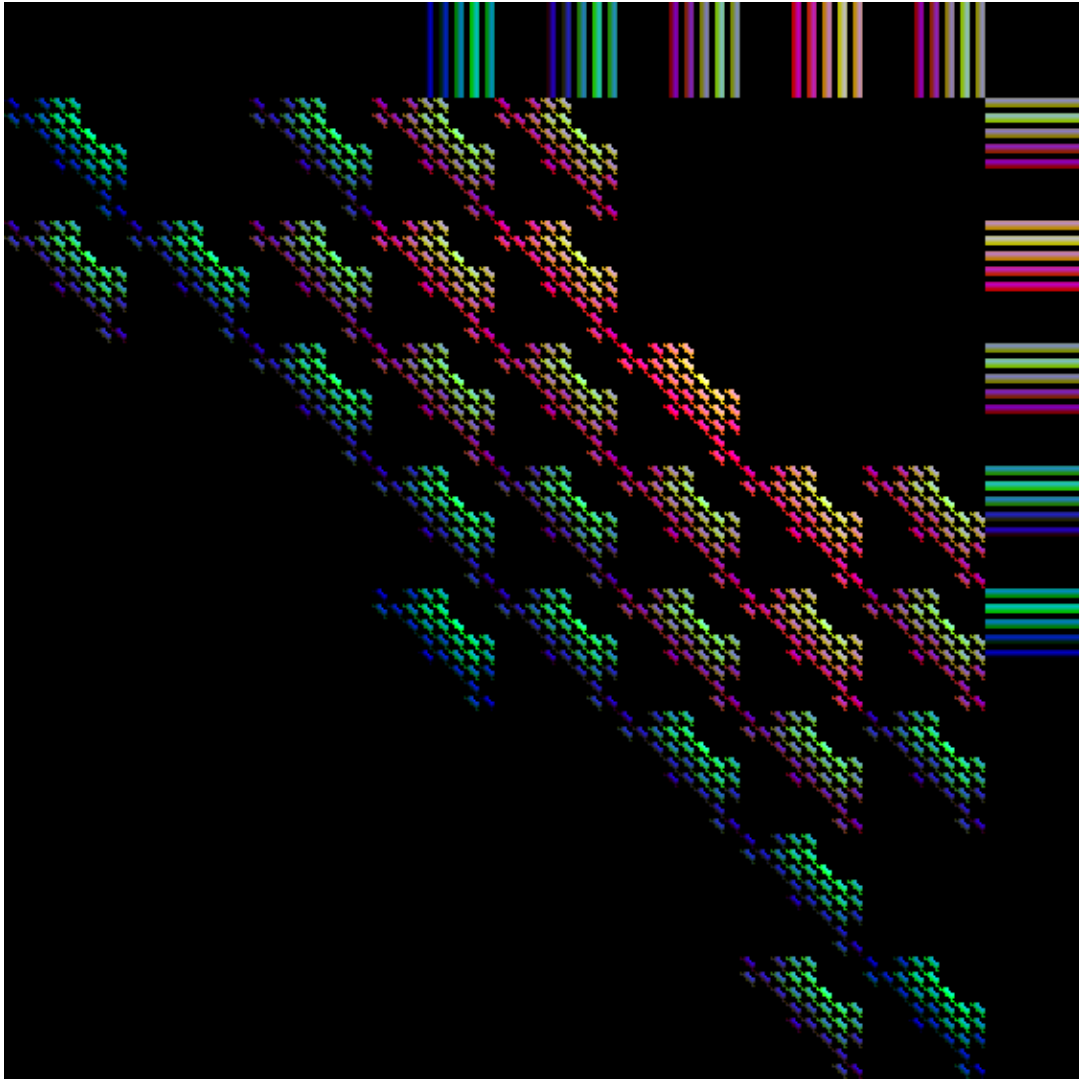
76 -0.8487 -0.5032 -0.02932 0 0.03630 0.2962 0.5366 0.7243



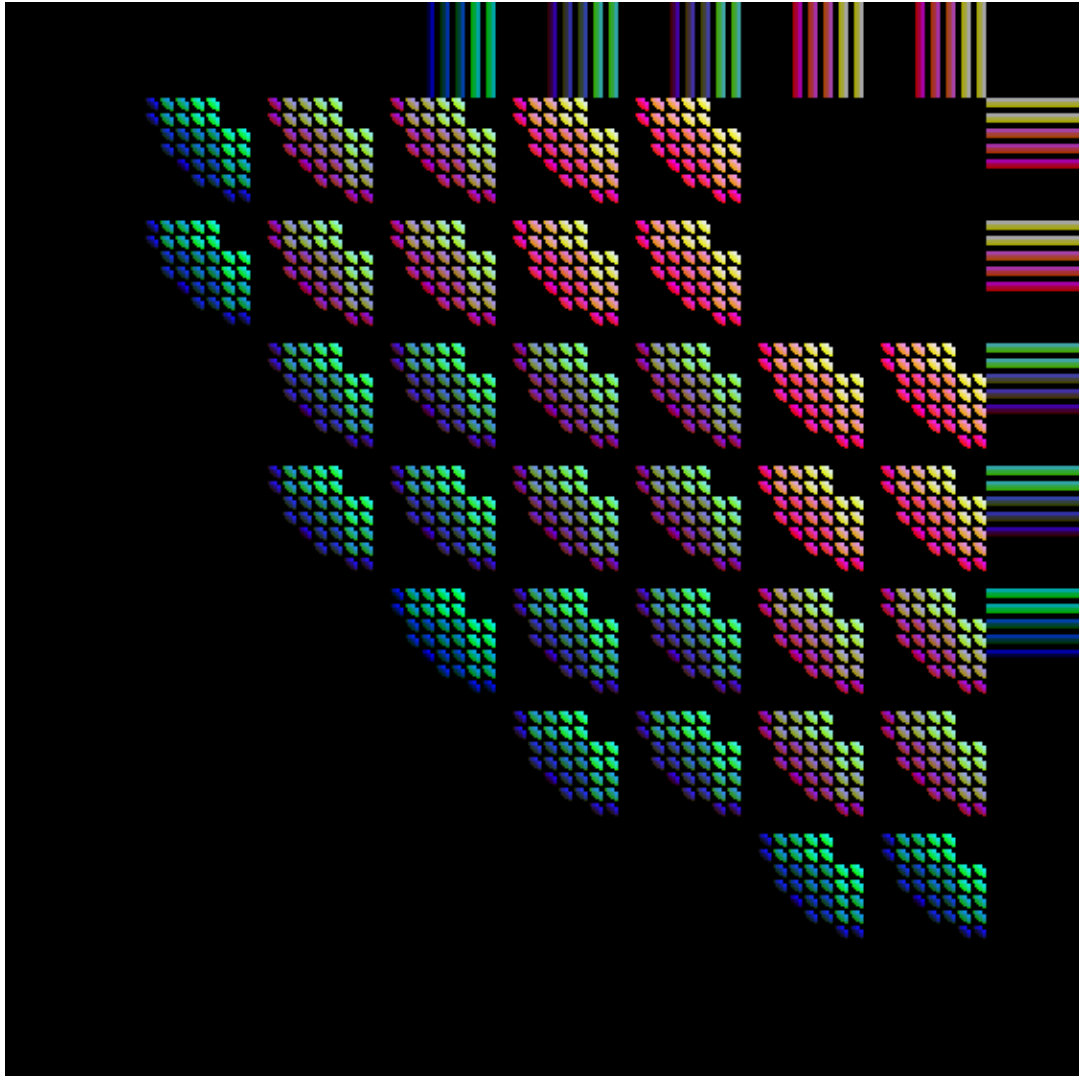
77 -0.6489 -0.5885 -0.2443 0 0.1159 0.2658 0.6776 0.6976



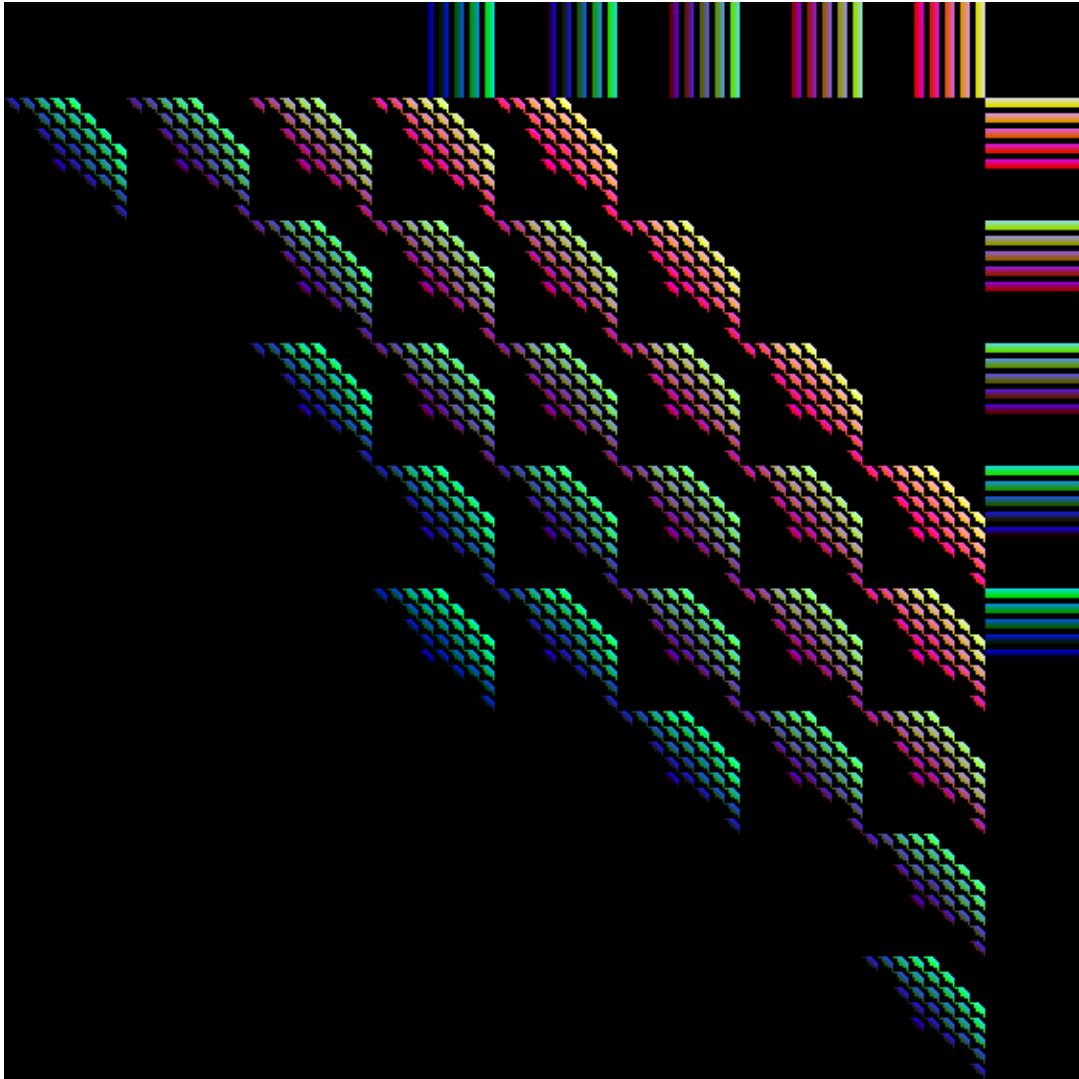
78 -0.5424 -0.6449 -0.3549 0 0.1316 0.4935 0.7400 0.5371



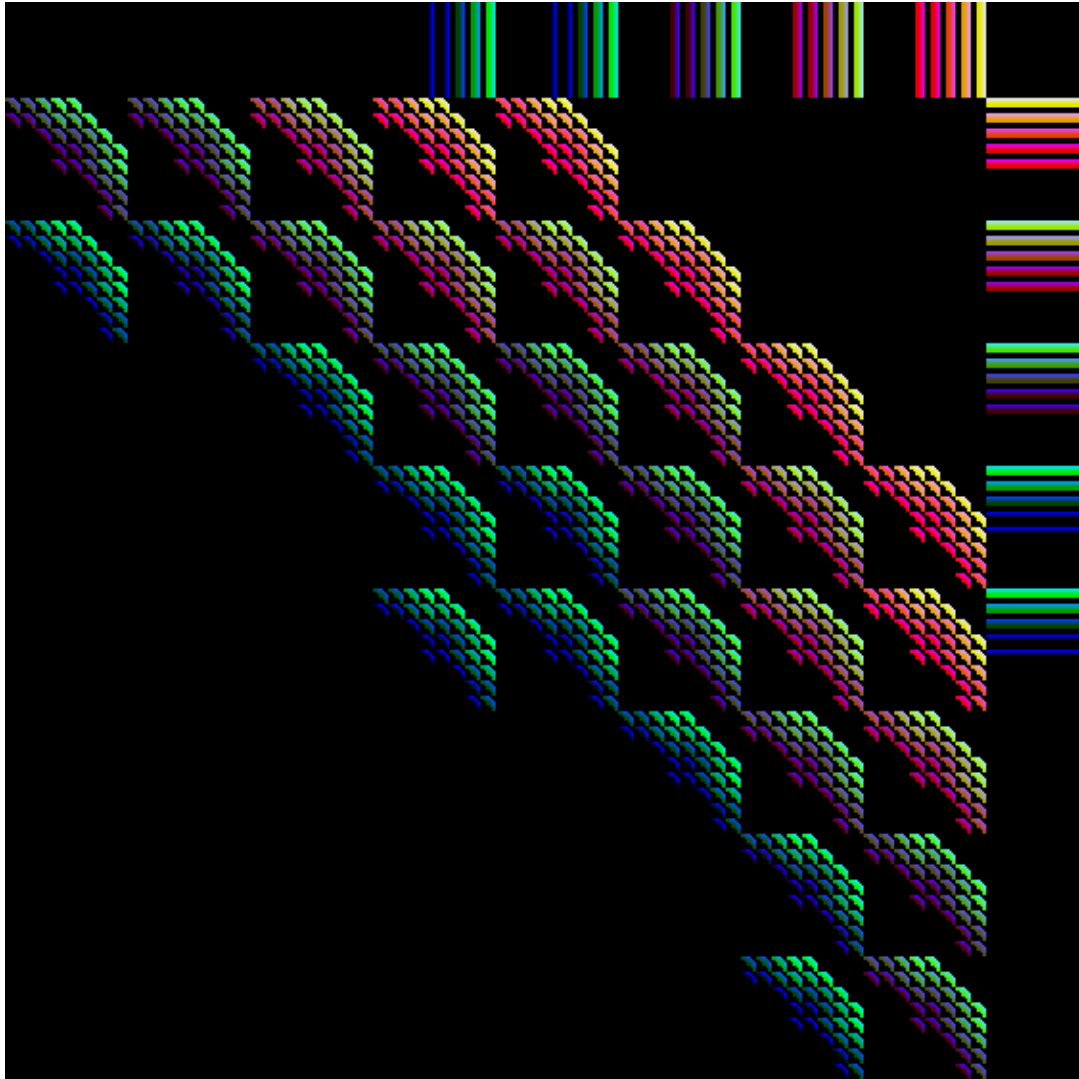
79 -0.7207 -0.5488 -0.07308 0 0.2161 0.2691 0.6341 0.6386



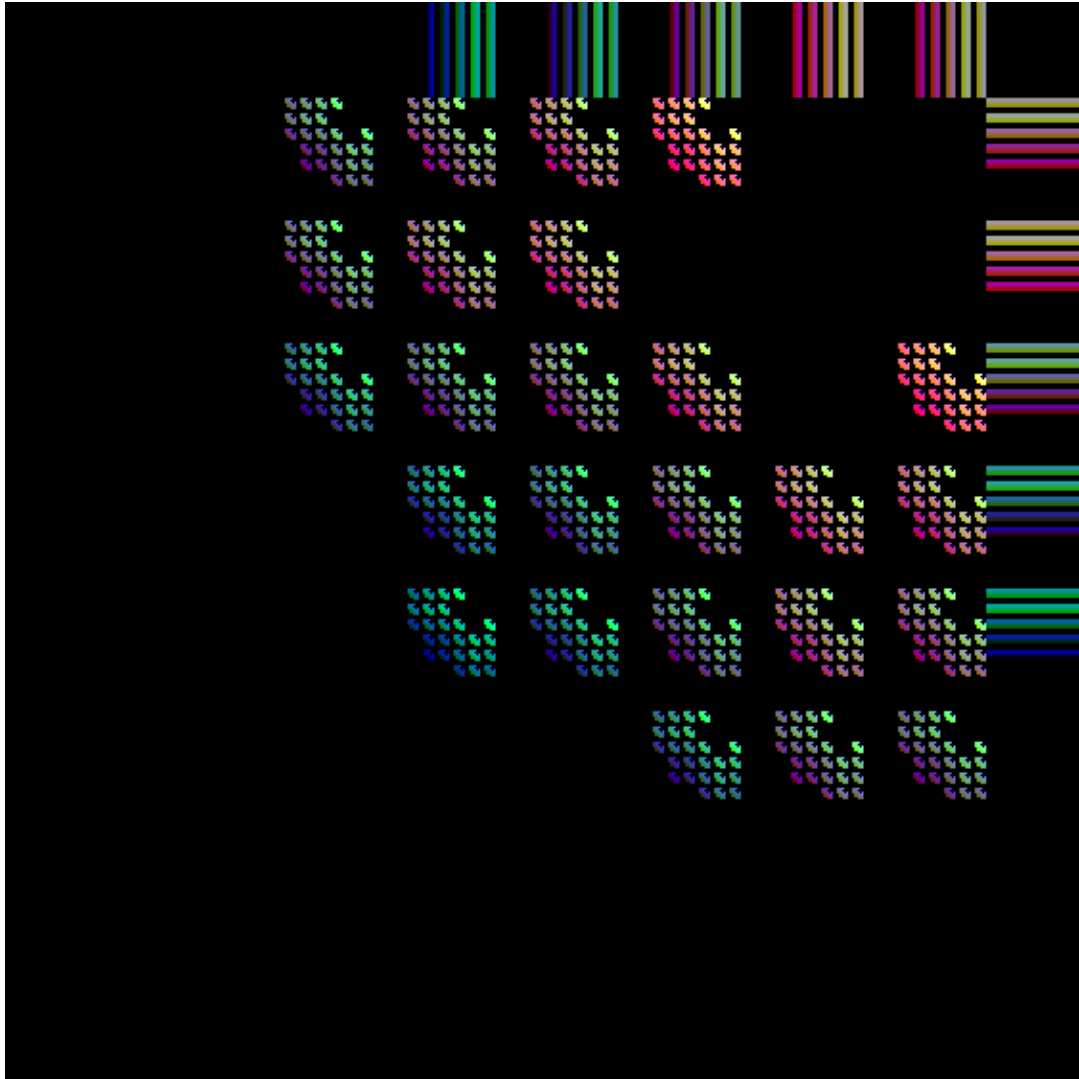
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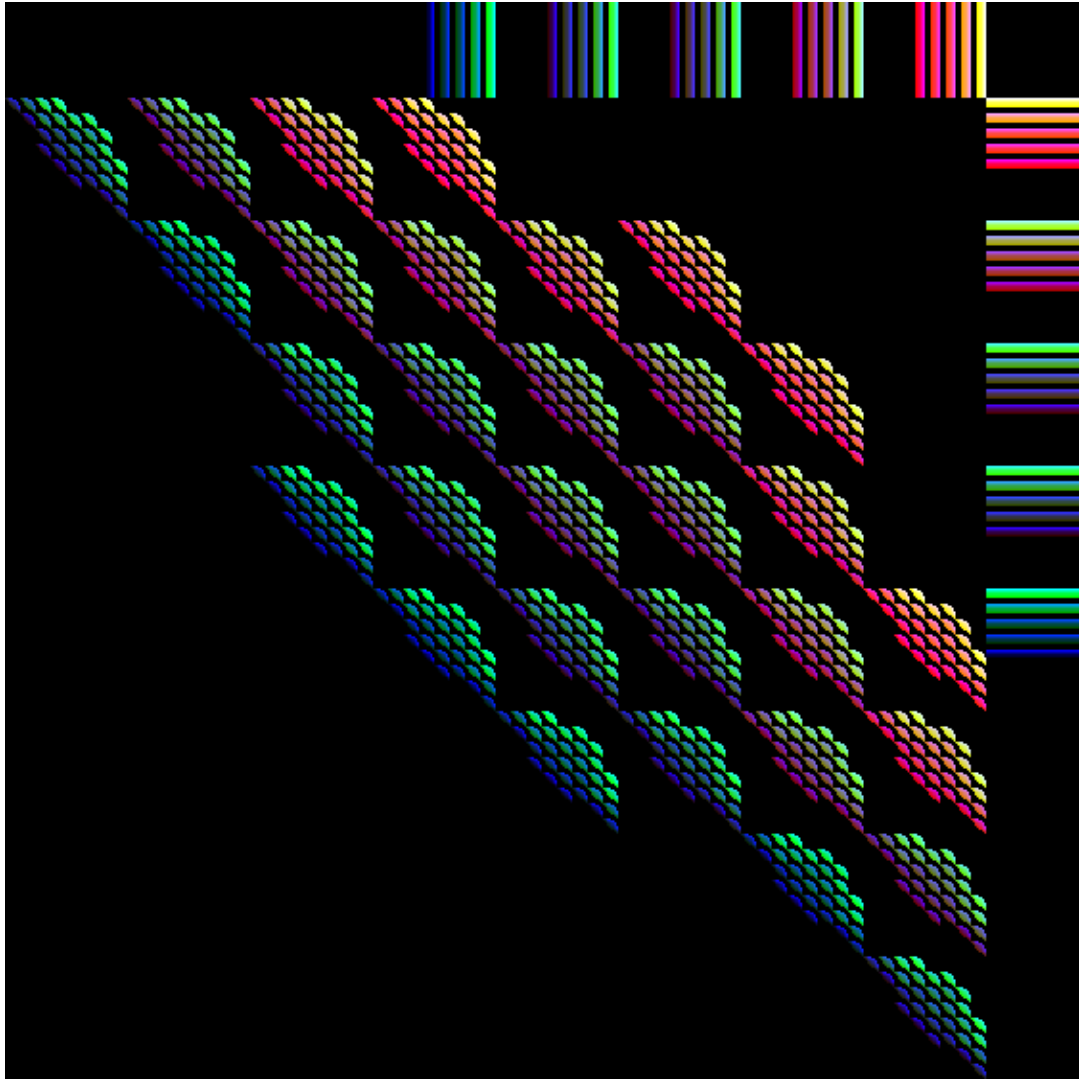
81 -0.5936 -0.5549 -0.2528 0 0.02982 0.2614 0.6233 0.8955



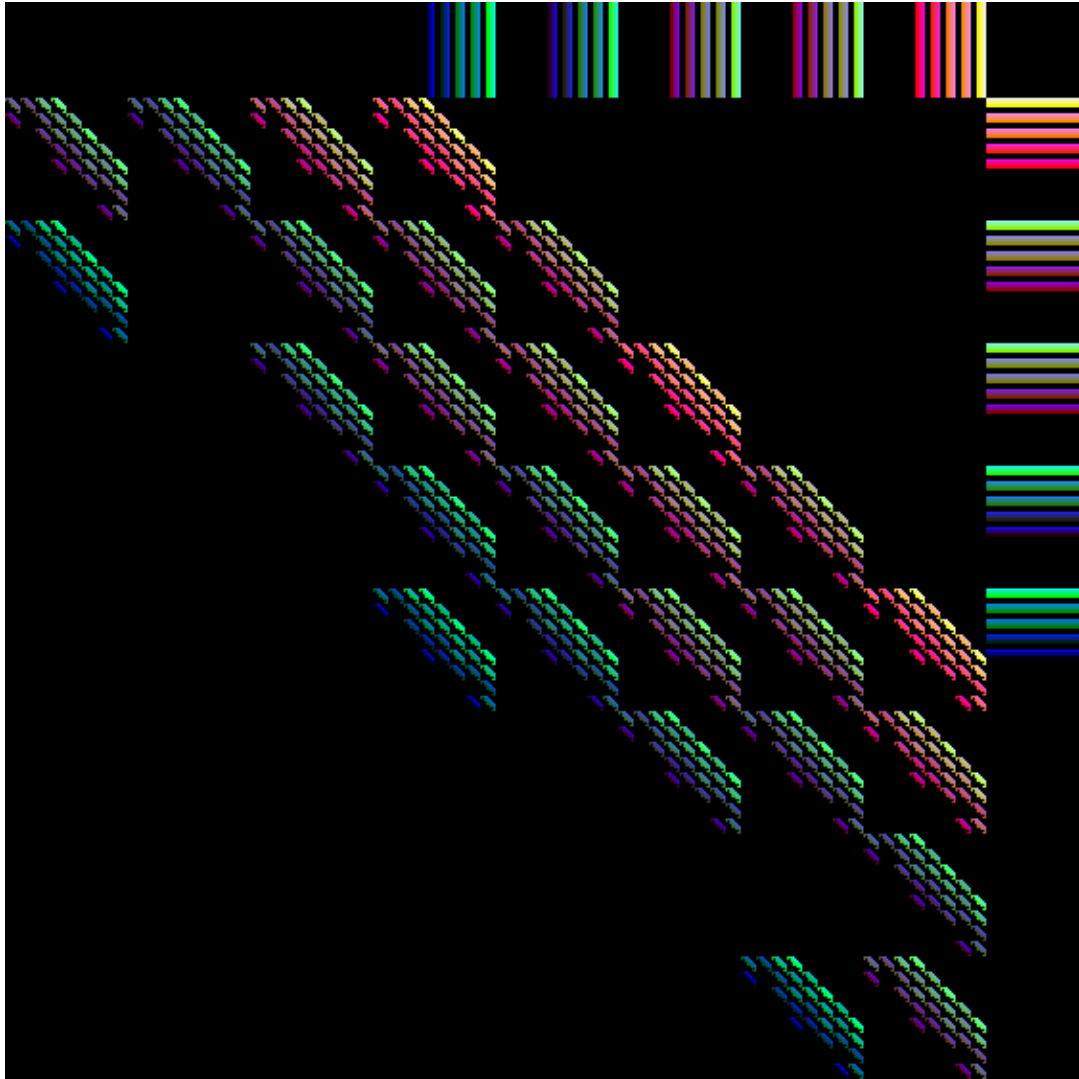
82 -0.9420 -0.7018 -0.1767 0 0.1399 0.3870 0.6394 0.5832



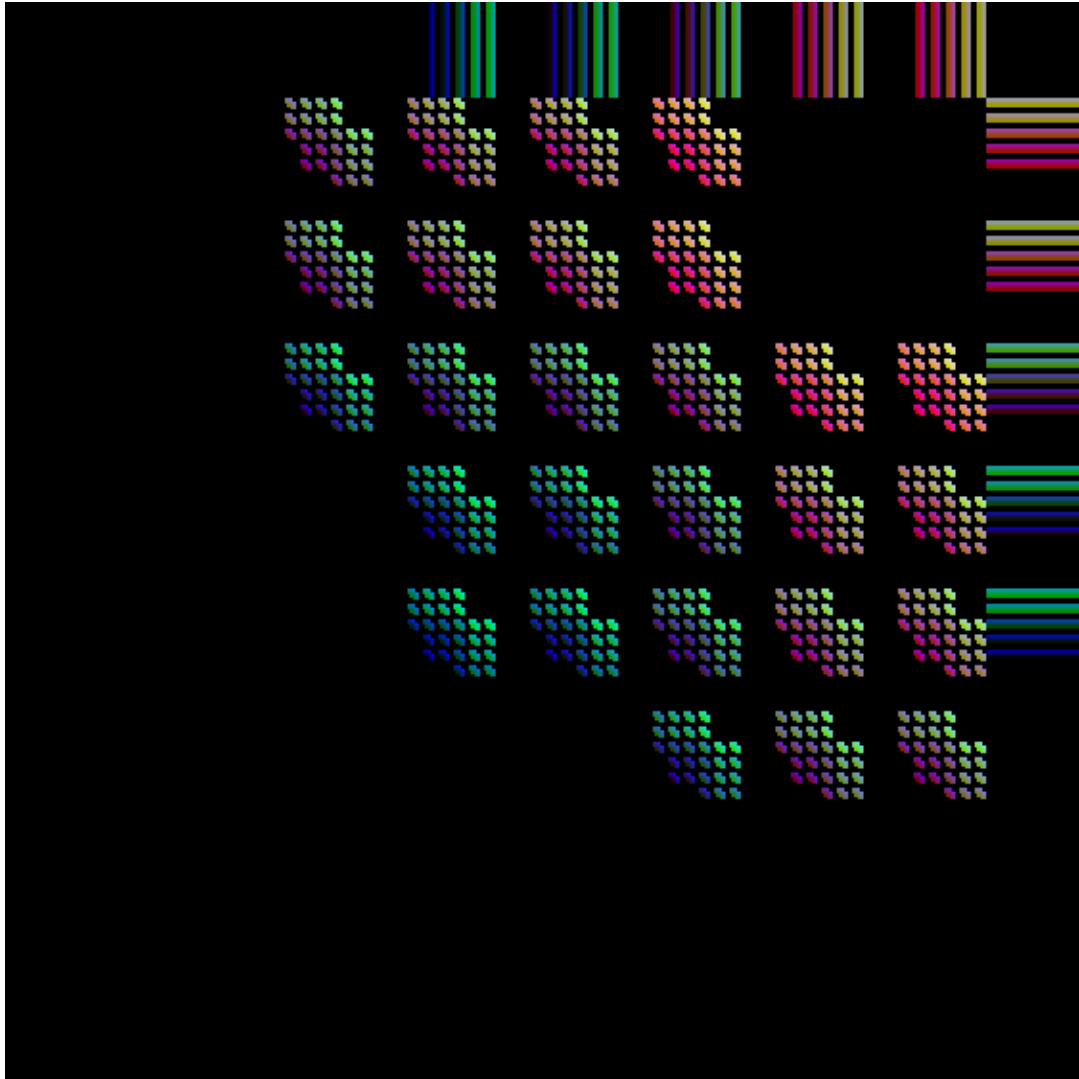
83 -0.8422 -0.5931 -0.1442 0 0.1888 0.2907 0.6325 0.9963



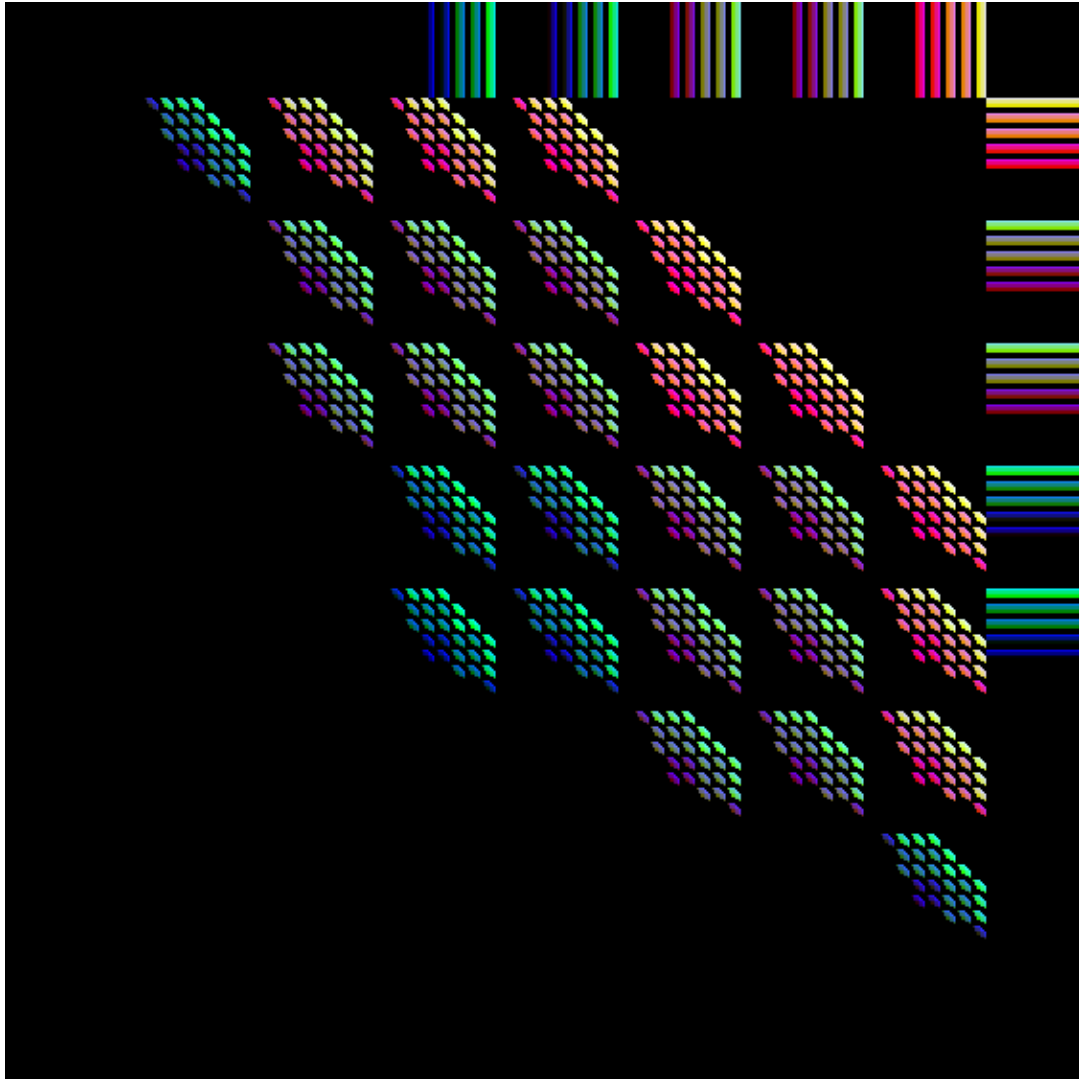
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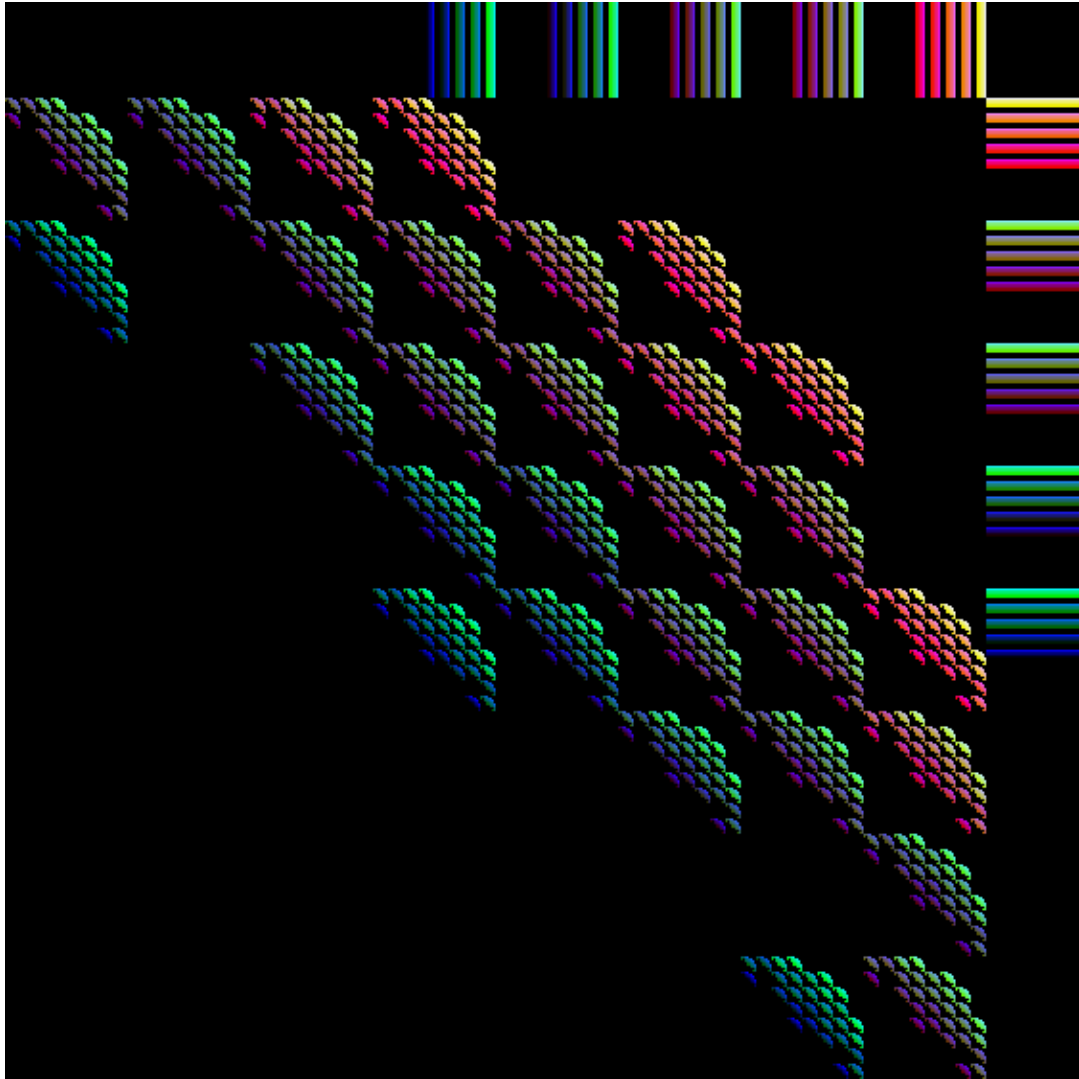
85 -0.9091 -0.7127 -0.1284 0 0.06762 0.2608 0.5589 0.6081



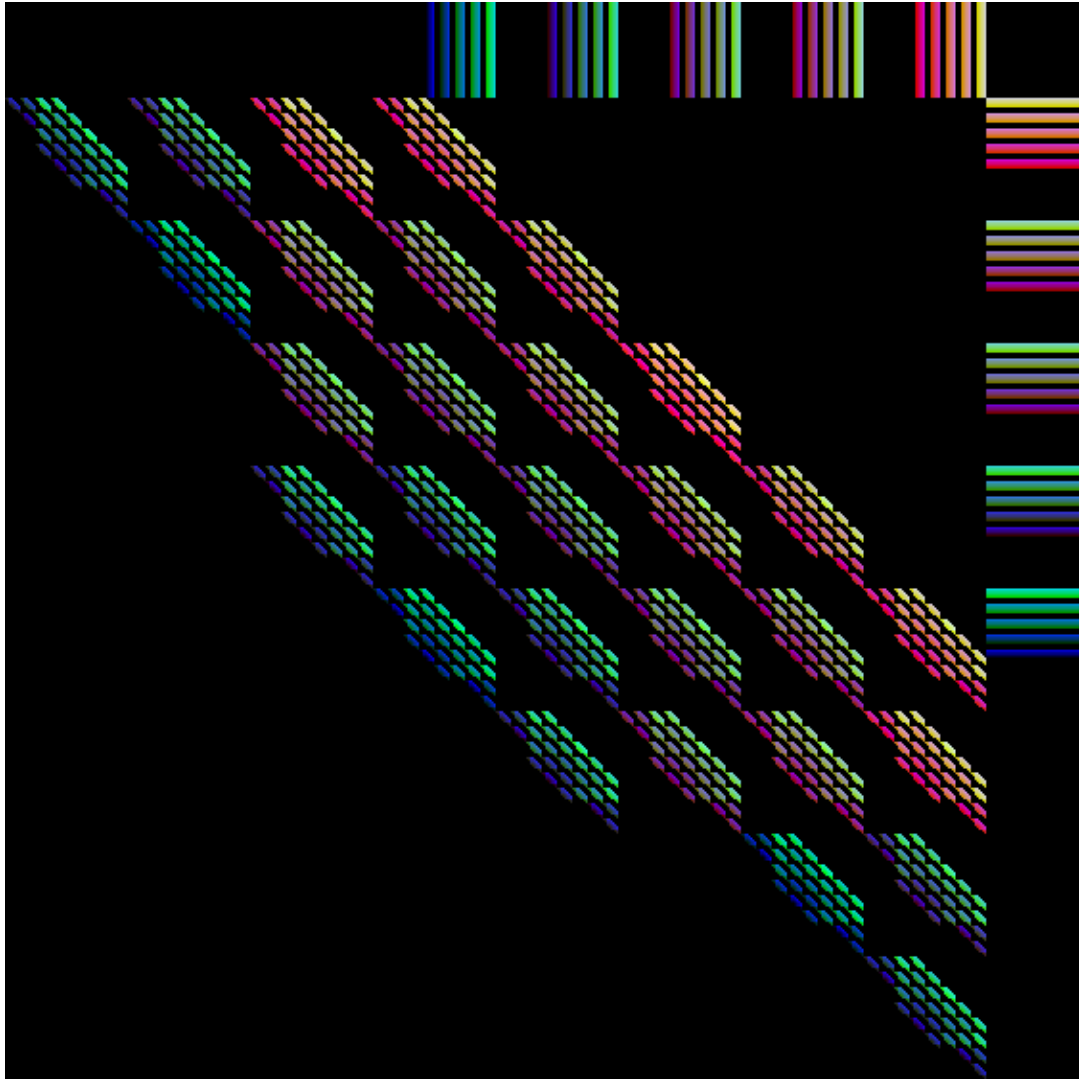
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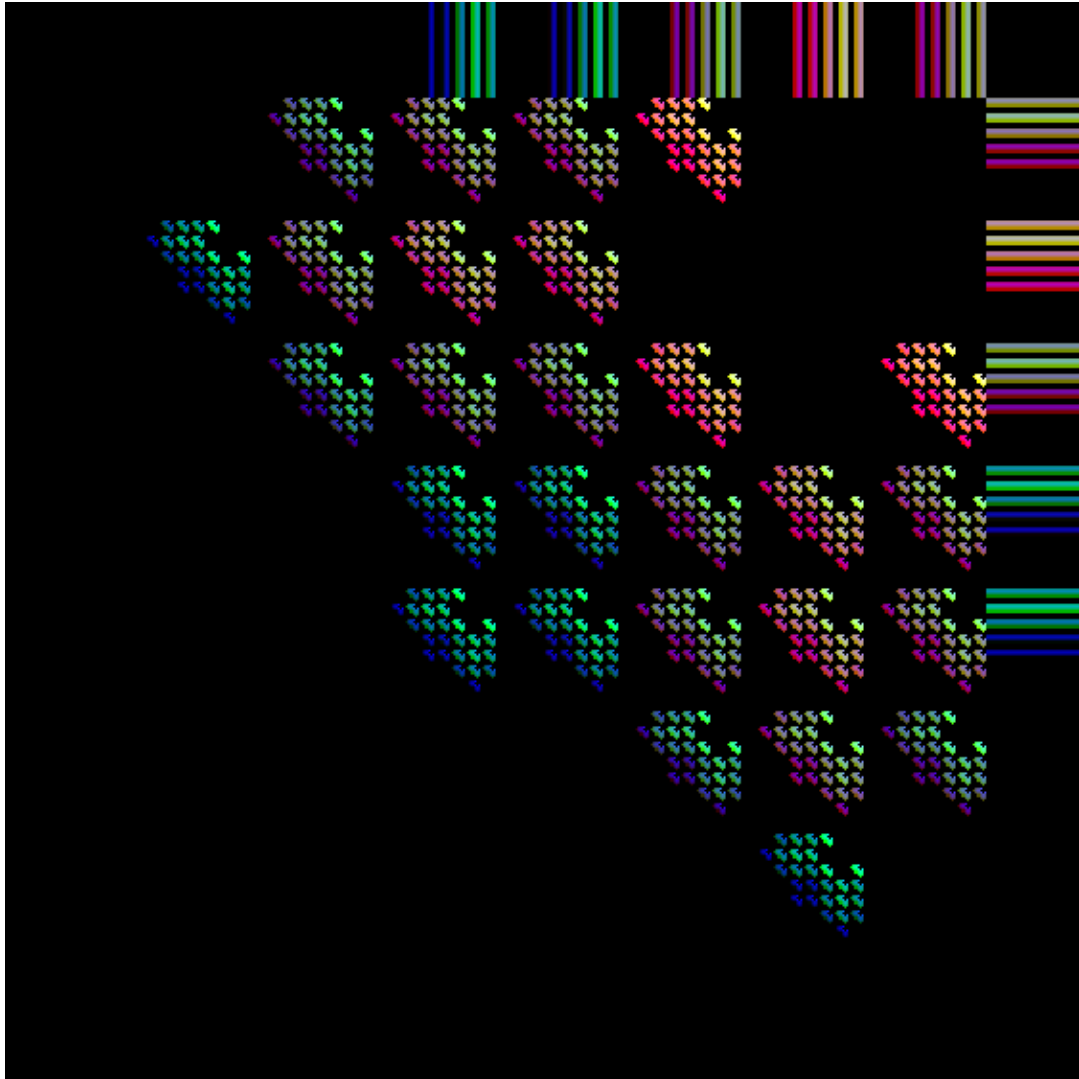
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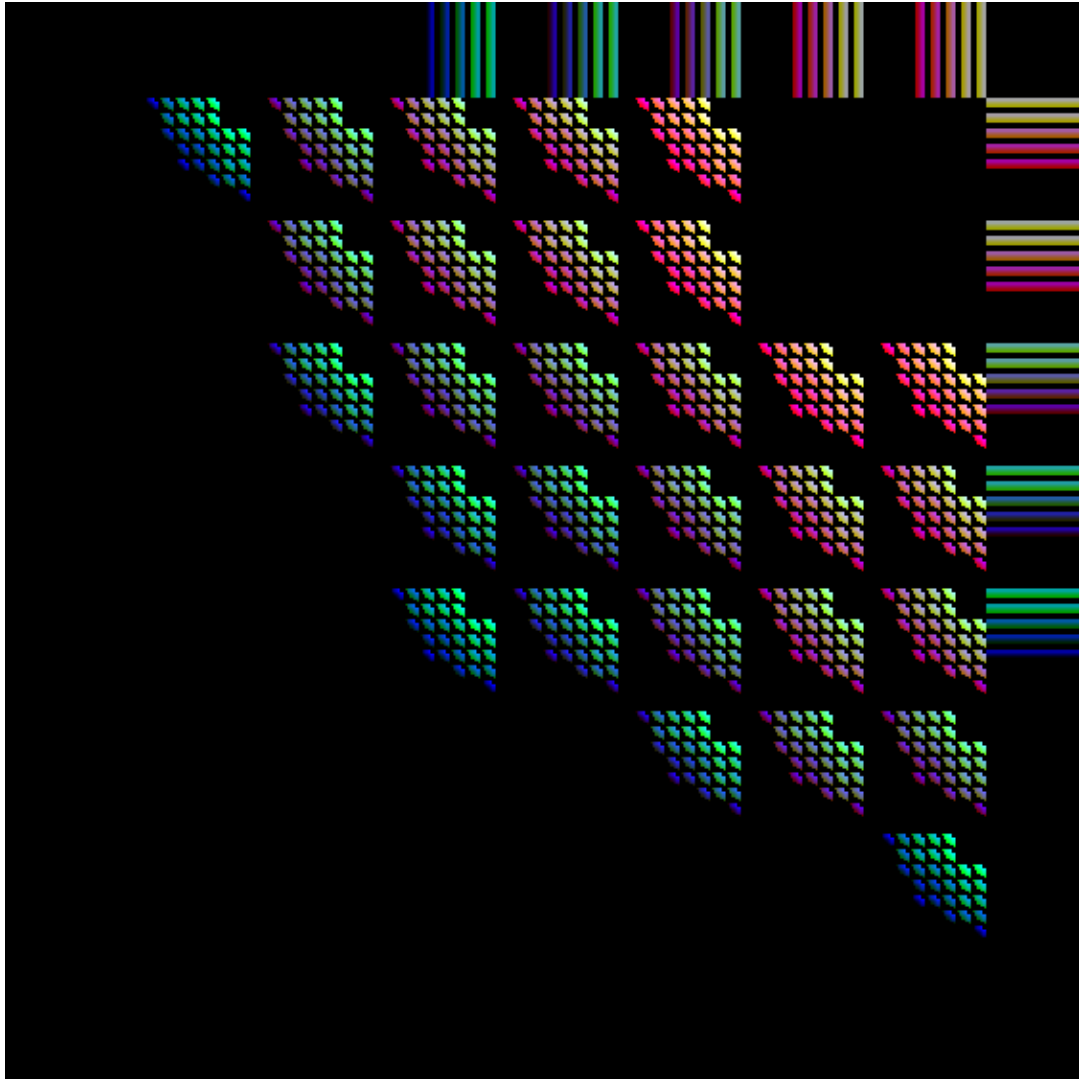
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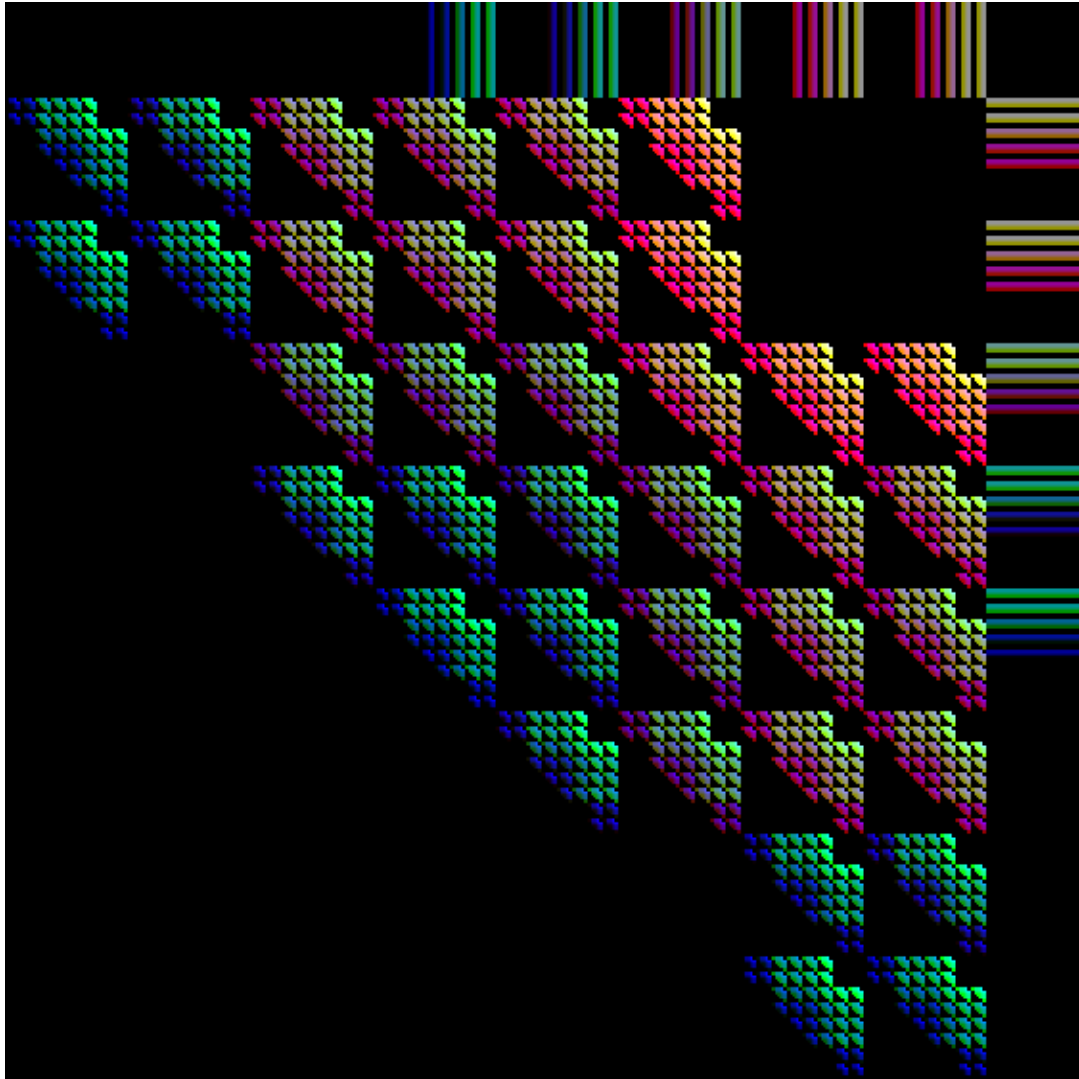
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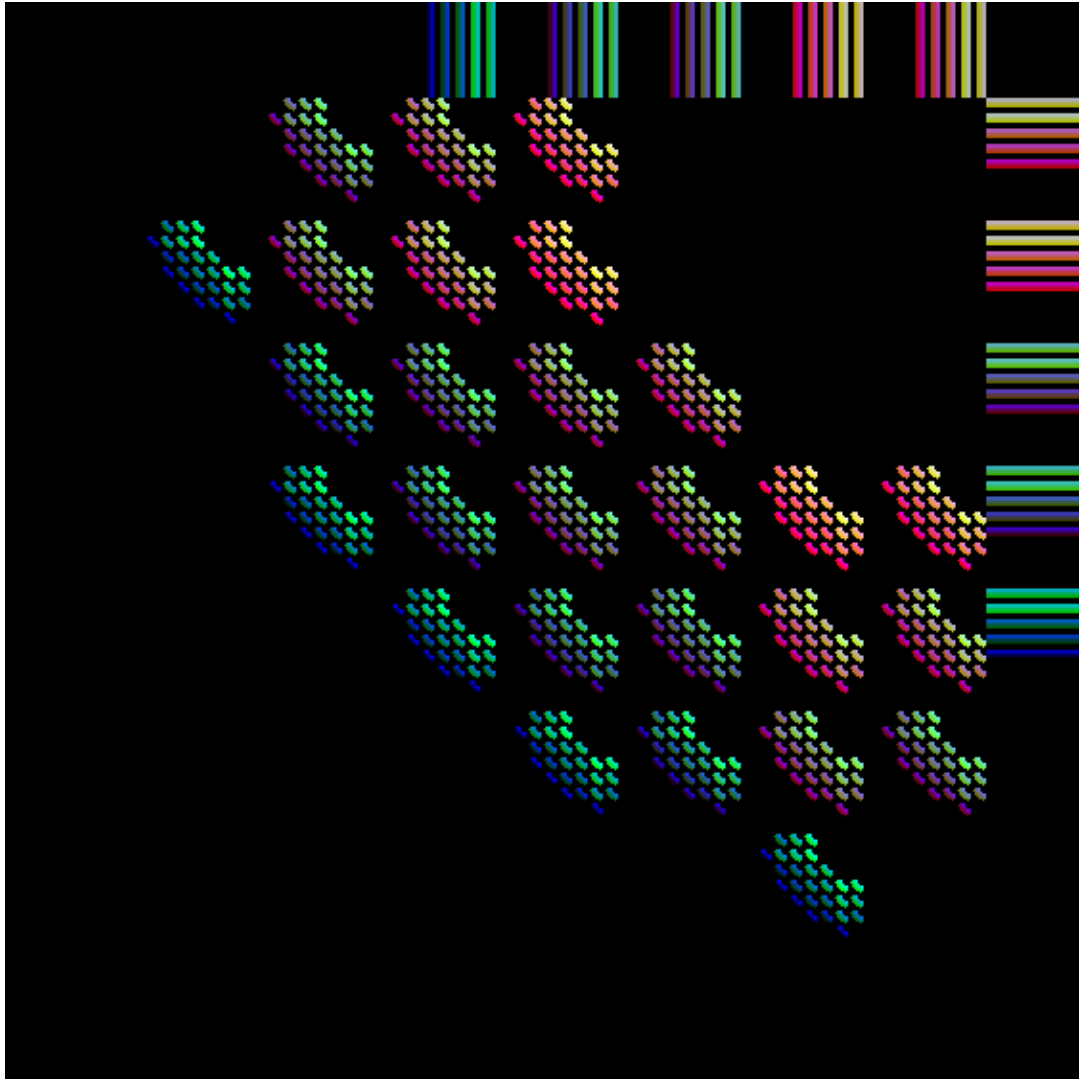
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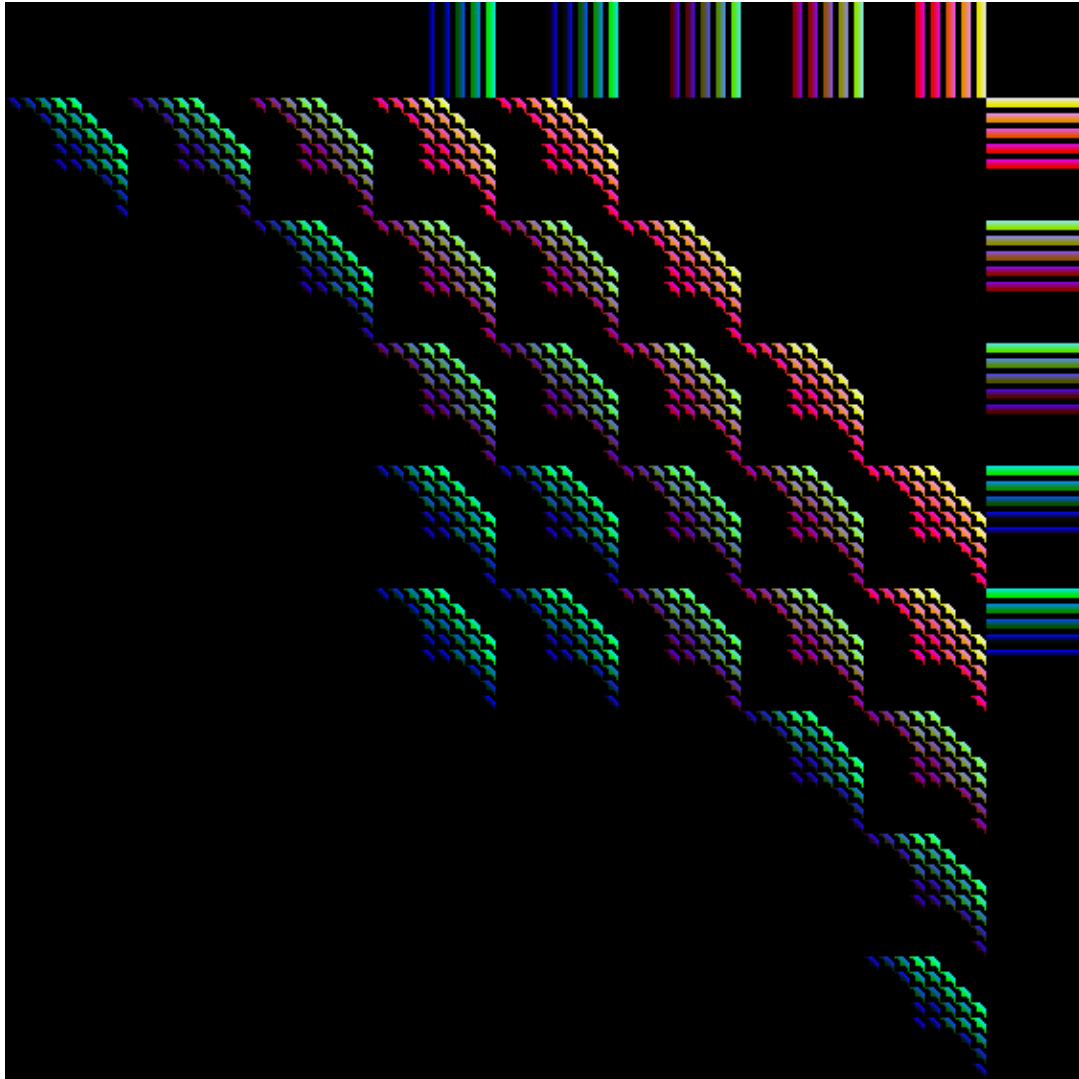
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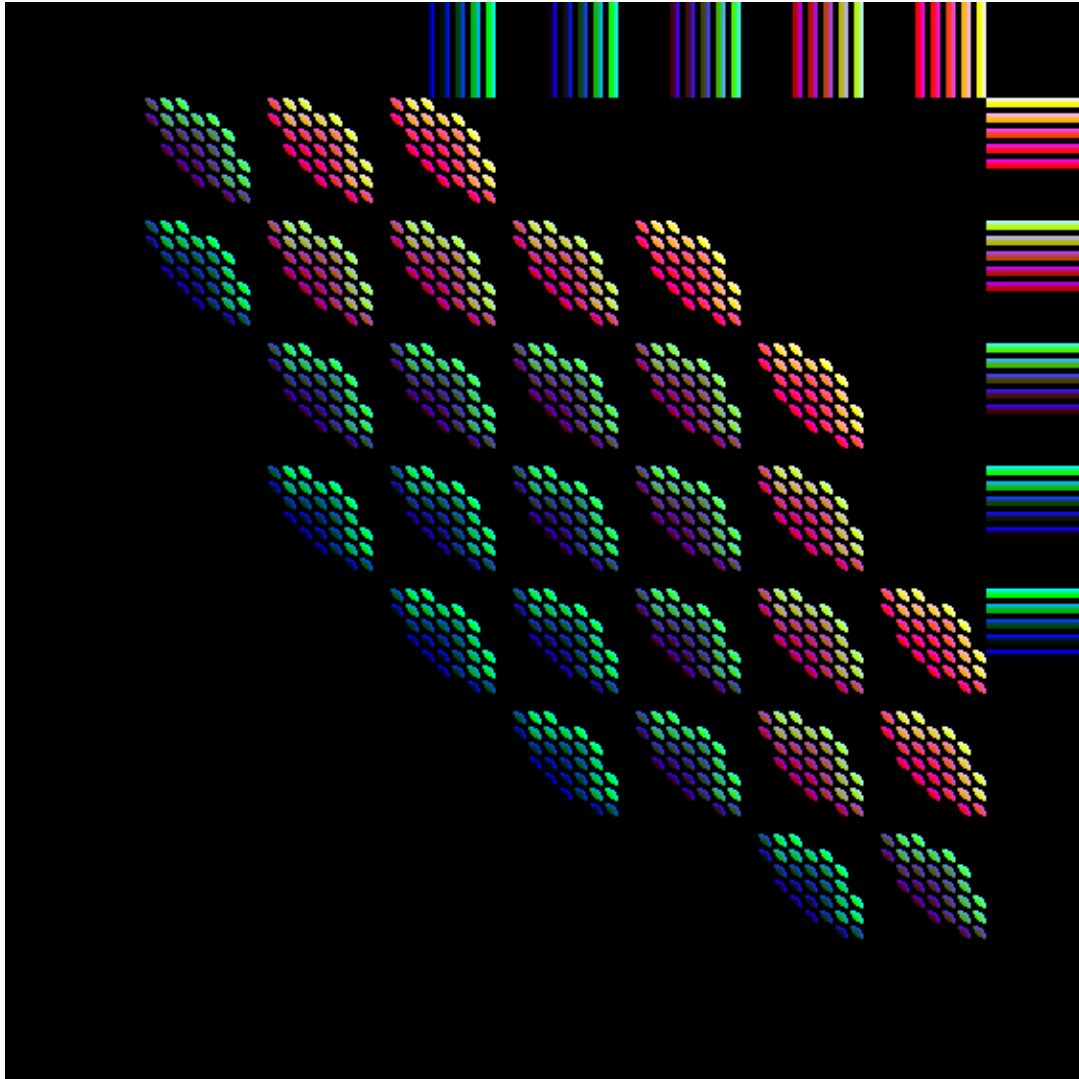
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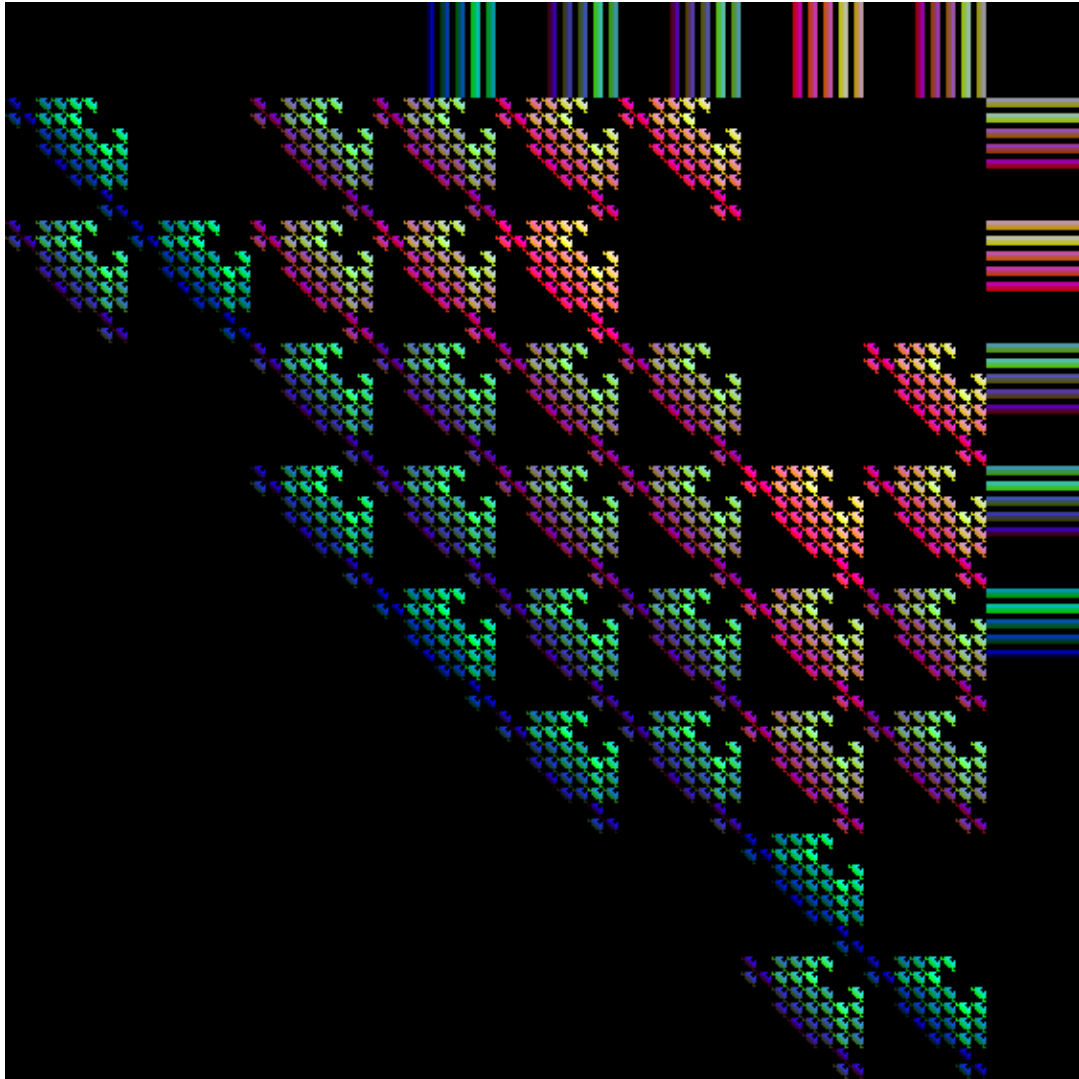
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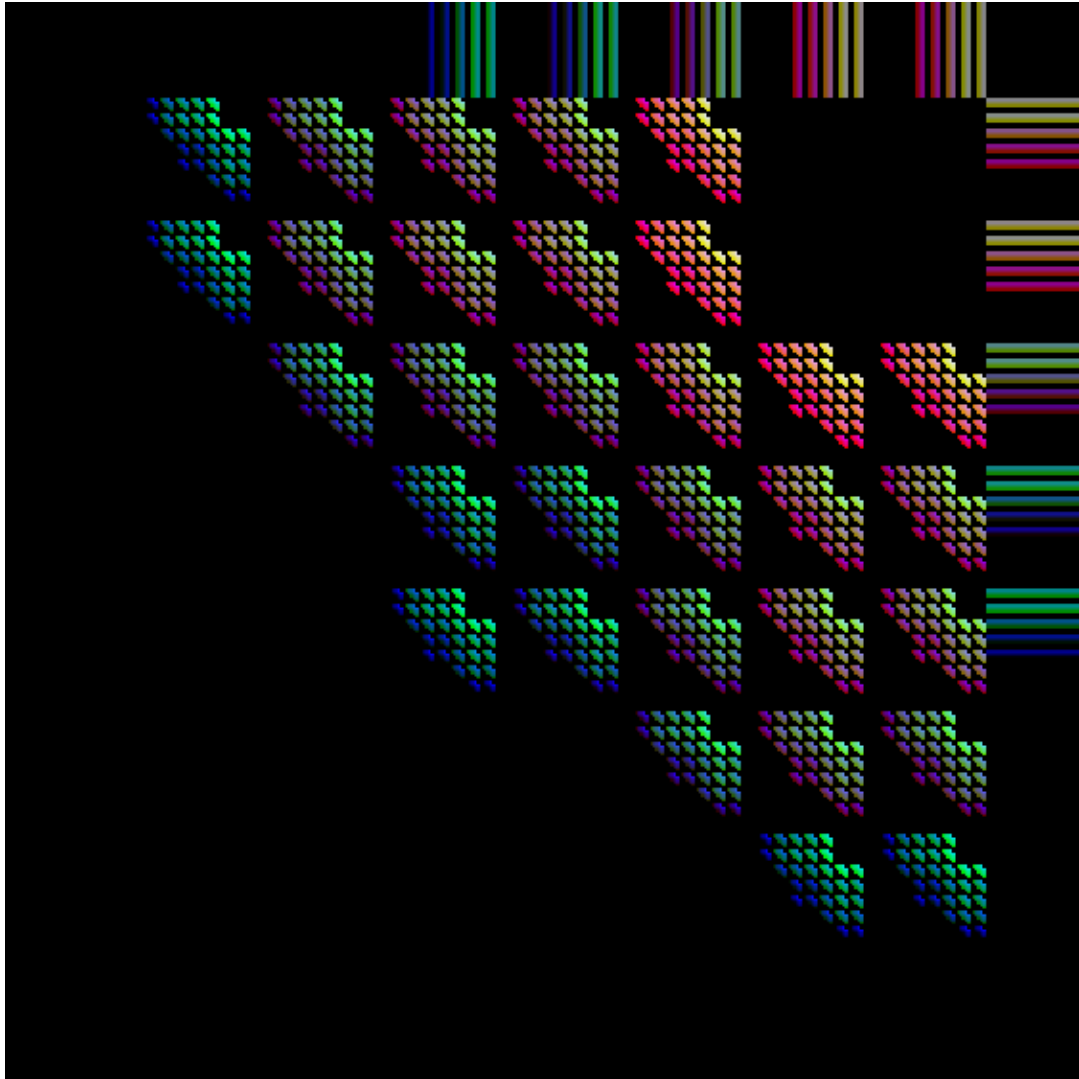
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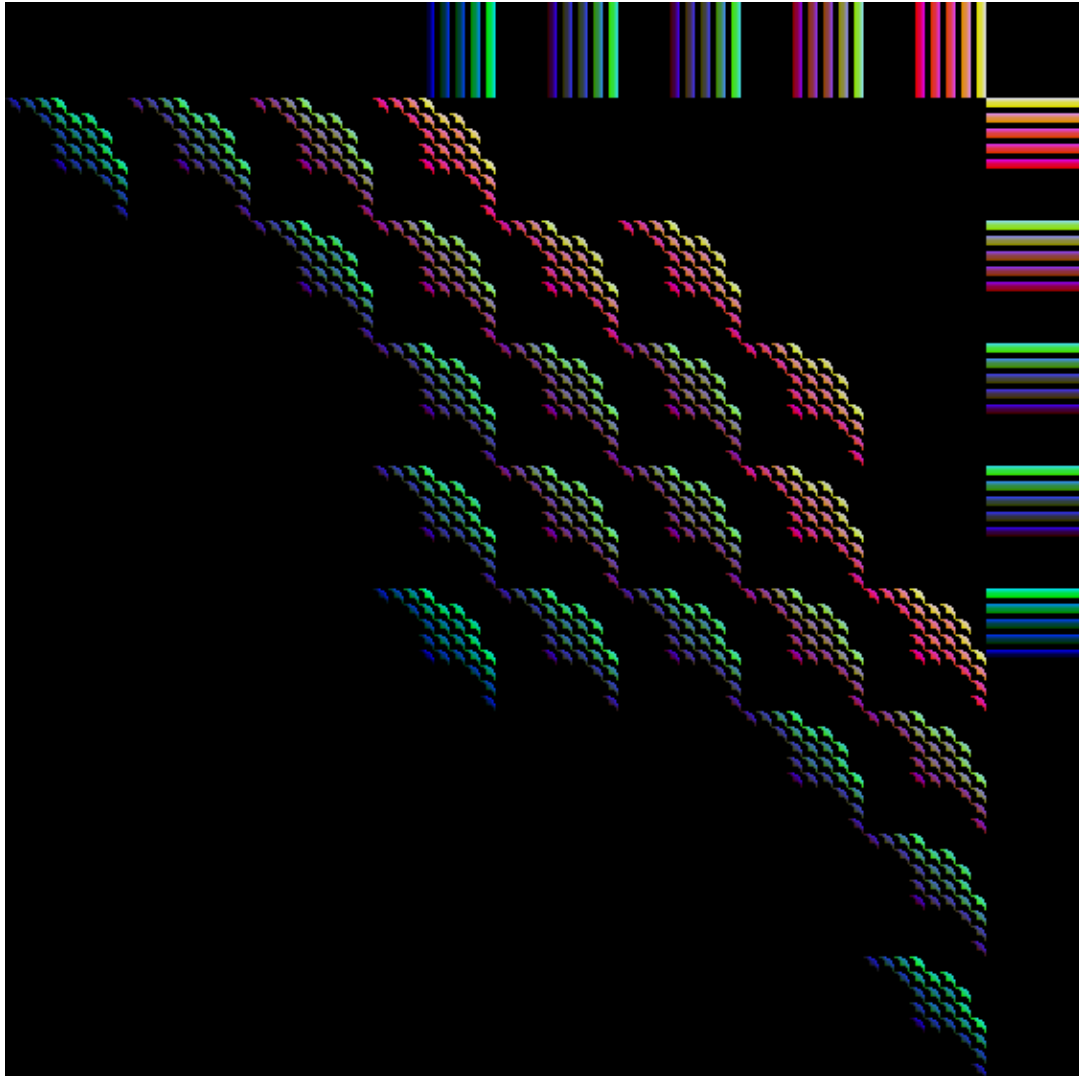
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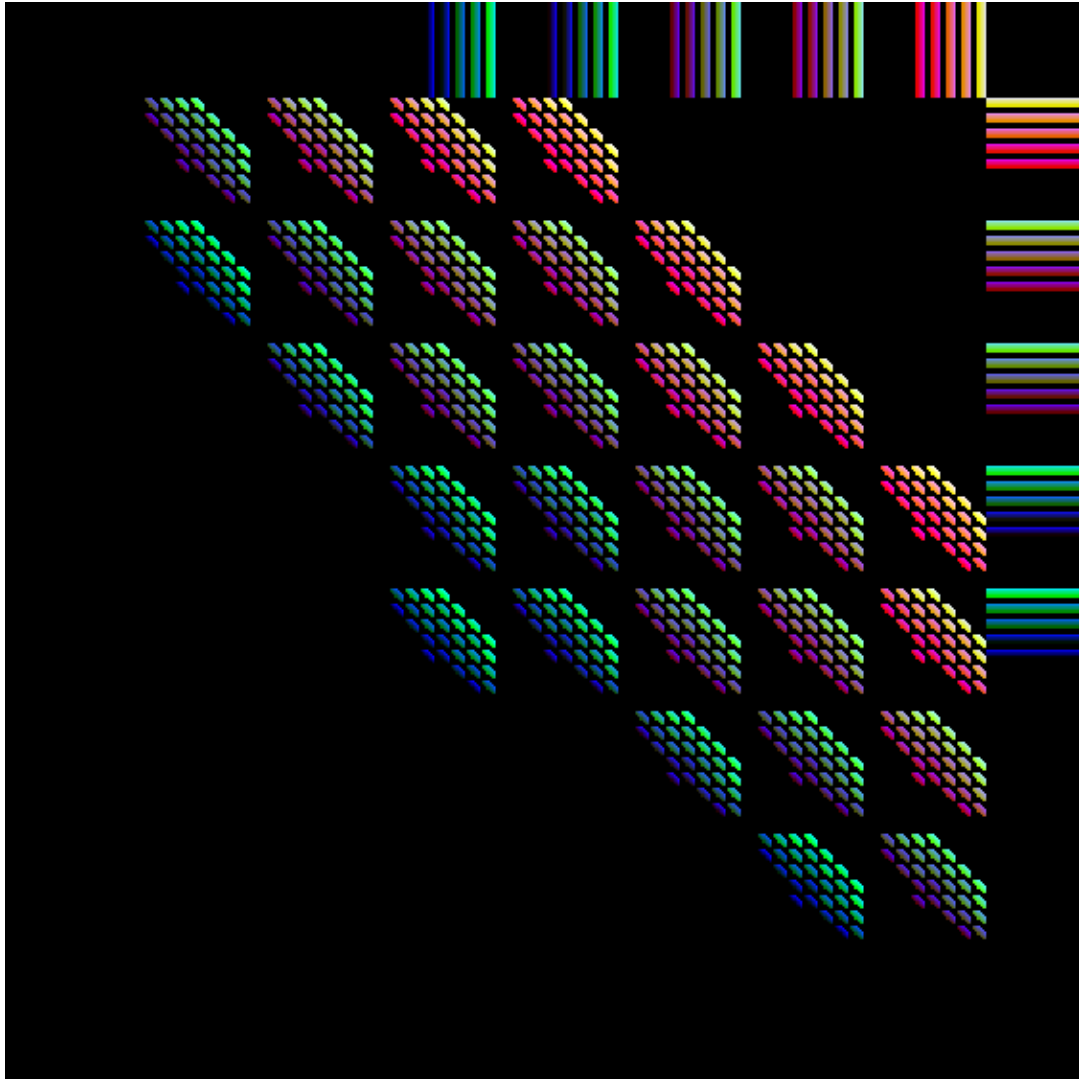
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97 -0.7391 -0.5826 -0.3386 0 0.2144 0.2525 0.5593 0.8501



98 -0.9551 -0.5555 -0.2323 0 0.09231 0.3751 0.5418 0.8877



99 -0.7015 -0.6862 -0.3058 0 0.2023 0.2832 0.5808 0.5176

