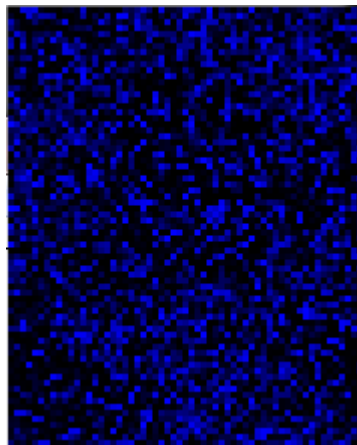
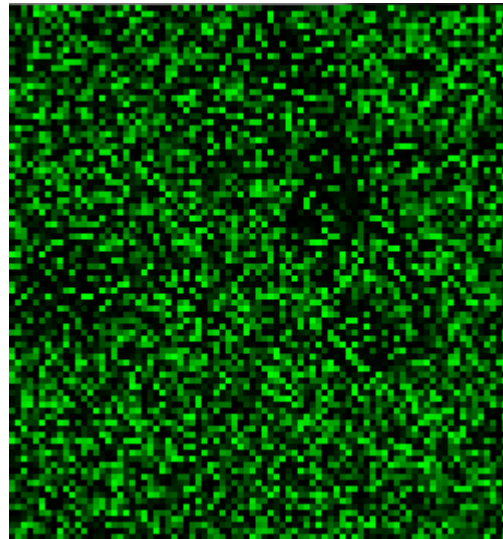
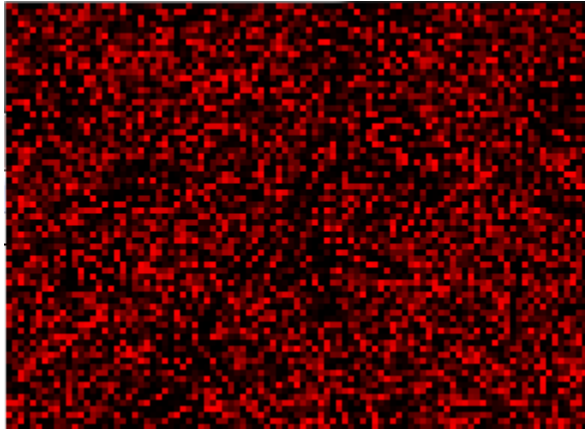


This puzzle consists of one image in the form of a bitmap. At first glance it looks random but with hints of order and periodicity. No, it's not a Magic Eye painting, so don't strain your eyes! If you delve into the actual colour values, you'll notice that the R, G, and B colour planes each consist of one simple image, duplicated to tile the plane.

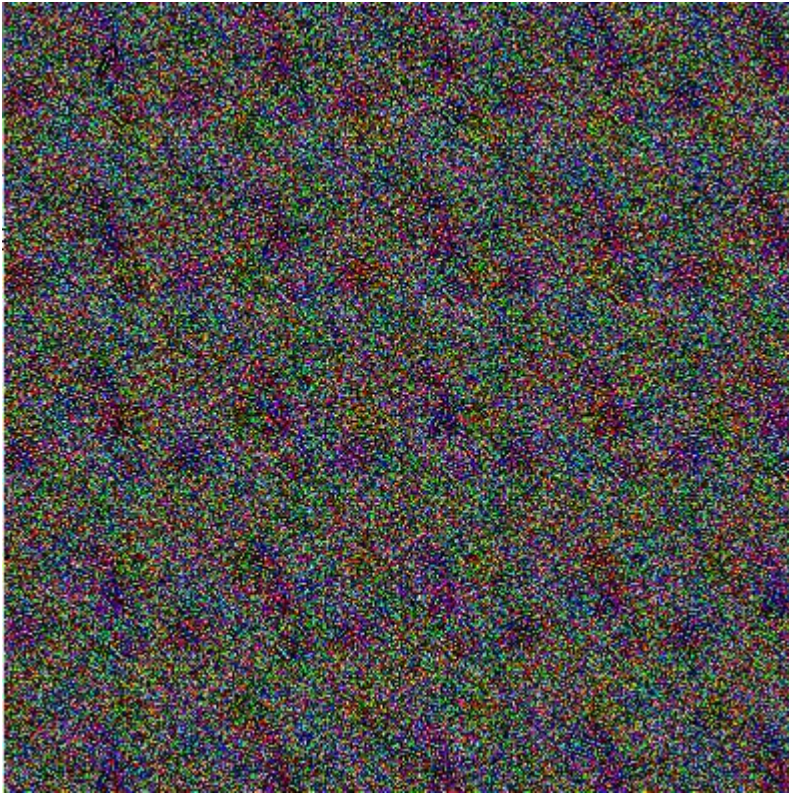
R, G, and B consist of these repeated tiles:



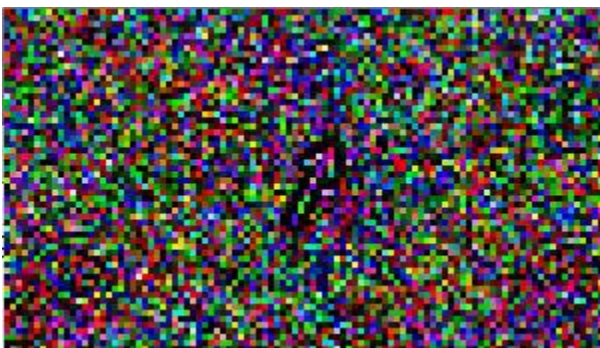
The dimensions are 97x71, 83x89, and 59x73, respectively.

There are definitely some patterns in there, but how to interpret them? Notice that the dimensions of the tiles are all prime. Thus, even though each colour plane repeats with a short period, when combined, the resulting image in fact extends over a huge area (475,009 x 461,287) without repeating. Furthermore, the fading out around the edges of the original image suggests that what's beyond the currently visible image might be relevant.

You'll have to construct some basic bitmap tools to generate and explore the rest of the image. Once you do, the first thing you might try is to uncrop the original image:



You might see a few patterns all over the place, but zooming in helps separate the signal from the noise. In the upper left, there is a clear arrow:

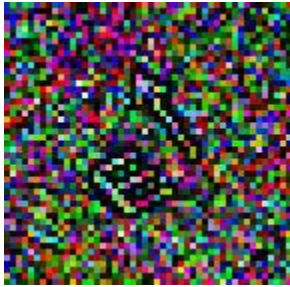


So, it seems the puzzle is about spotting order in the chaos. The next thing to find lies in the direction of the arrow, but this time you'll have to travel a fair distance.

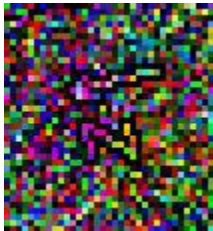
After following the arrow around 1073 pixels right, 2146 pixels up, you'll reach:



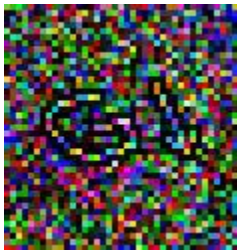
Following this arrow around 1422 pixels right, 474 pixels down leads to:



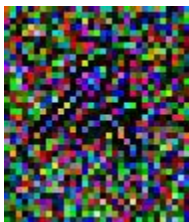
Traveling about 1080 pixels left, 1440 pixels up, you'll see:



Next you'll go 776 pixels left, 194 pixels down to reach:



And now 223 pixels right, 446 down to:



1273 pixels up and to the right leads to:



Finally, 474 pixels left, 158 up brings you to the final location:



No arrows left. What now?

Well, along your journey you spelled out a message: LENGTHS. If you calculate the Euclidean distances (in pixels) between each of the patterns, you get numbers close to 2400, 1500, 1800, 800, 500, 1800, and 500. Divide by 100 and convert to letters to get "XOR HERE". The artist's secret signature (ok, ok, the answer to the puzzle) is revealed by XORing together the R, G, and B values at the final location:



The answer is REGROWN.