

Cayley Quilter

With *Cayley Quilter* software, you can create colorful designs based on modular arithmetic operations tables. In the mosaics that follow, each distinct number in the interior of a mod 4 addition and a mod 4 multiplication table have been replaced by an graphic. Then the mosaics were reflected and rotated to make quilt-like patterns.



0



1



2



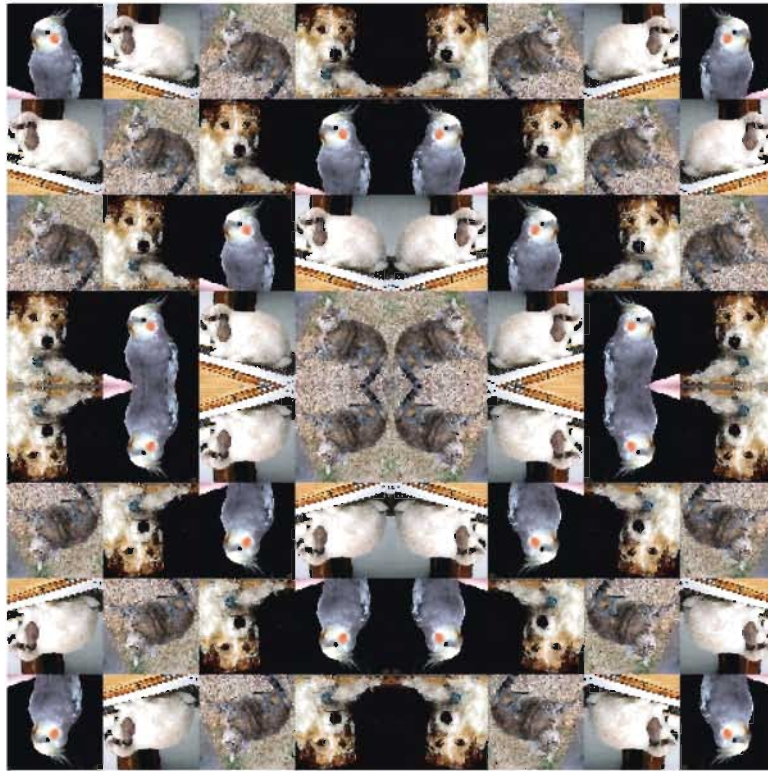
3



Addition Mod 4



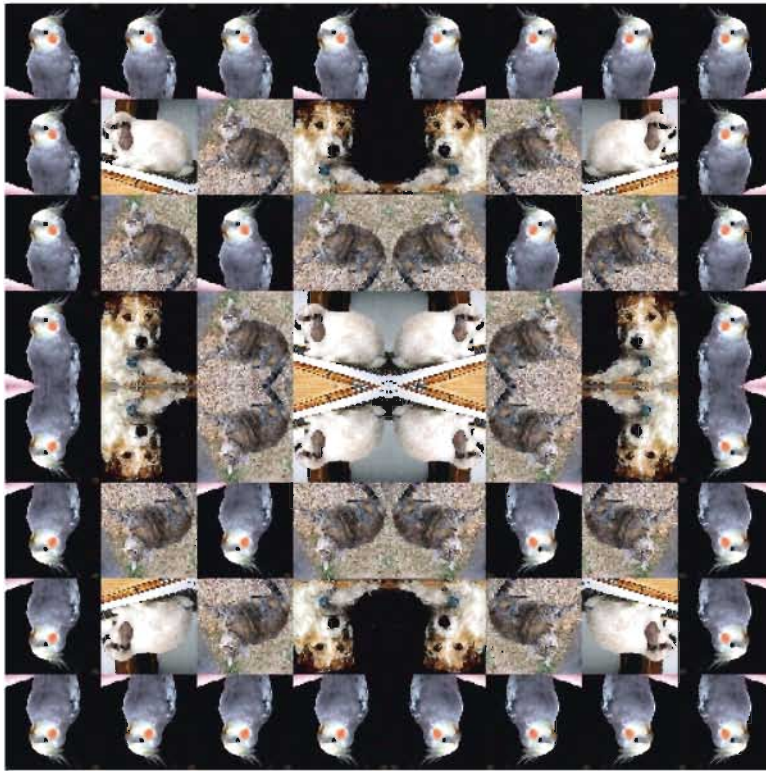
Multiplication Mod 4



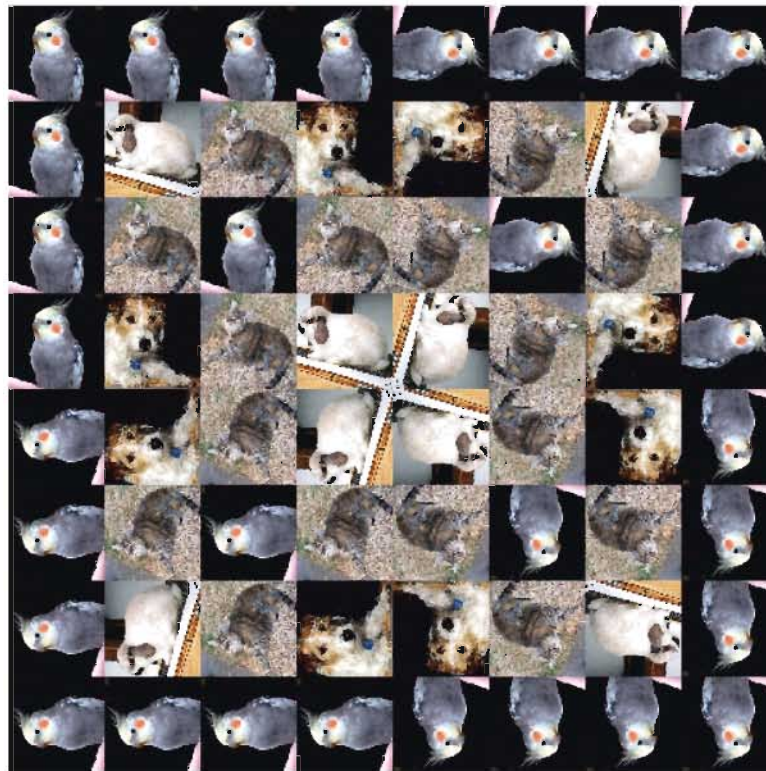
Addition Mod 4 with Reflection



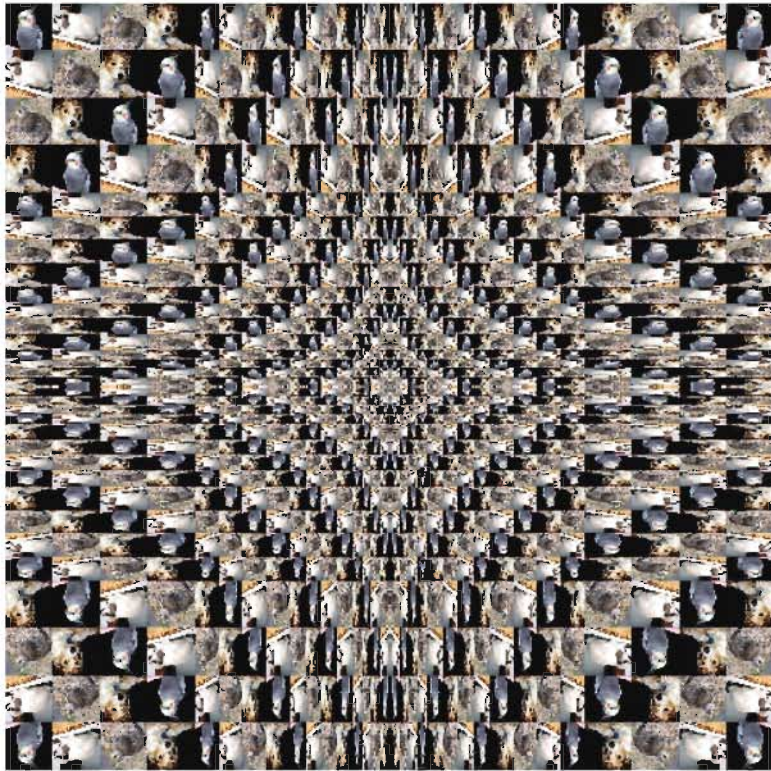
Addition Mod 4 with Rotation



Multiplication Mod 4 with Reflection



Multiplication Mod 4 with Rotation



Addition in Fibonacci Grid



Multiplication in Golden Rectangle