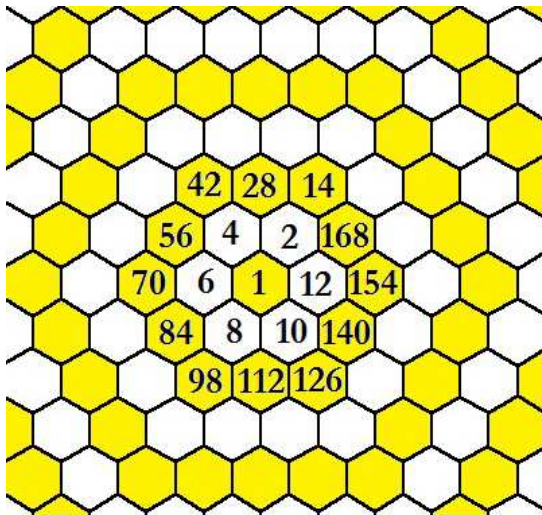


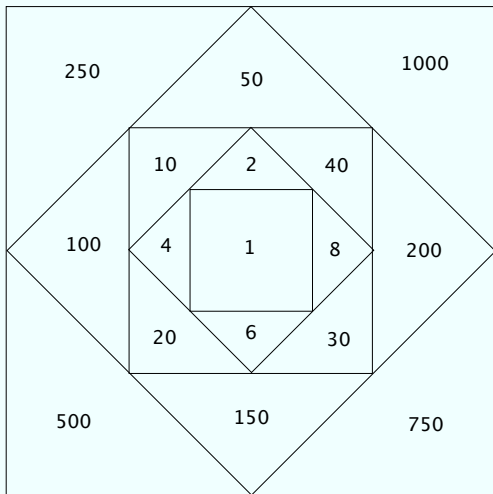
Pictures for Zeckendorf Group

AIM, July 9, 2014

Hexagonal Decomposition

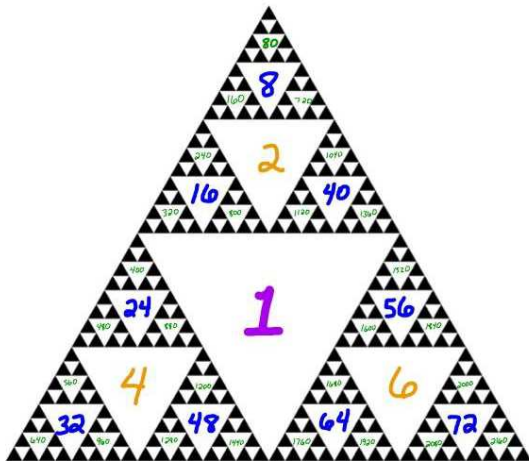


Square Decomposition



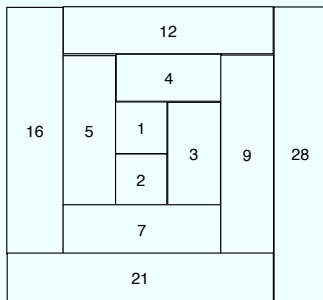
1, 2, 4, 6, 8, 10, 20, 30, 40, 50, 100, 150, 200, 250, 500, 750, 1000, ...

Sierpinski Decomposition



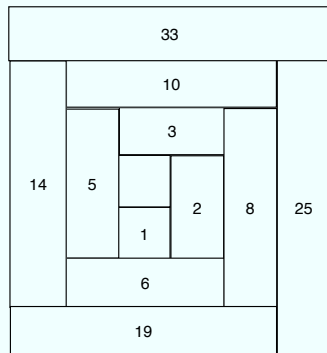
1 2 4 6 8 16 24 32 40 48 56 64 72

Fibonacci Mat Decomposition



1, 2, 3, 4, 5, 7, 9, 12, 16, 21, 28, ...

$$n \geq 4, \quad H_{n+1} = H_{n-1} + H_{n-2}$$



1, 2, 3, 5, 6, 8, 10, 14, 19, 25, 33, ...