

<http://classes.yale.edu/fractals/aut12/aut12daily.html>

IFS = Iterated Function Systems

r = horizontal scaling

s = vertical scaling

negative r reflects across the y -axis

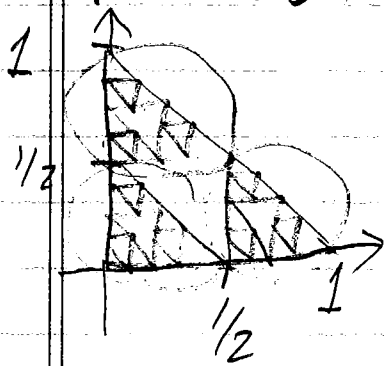
negative s reflects across the x -axis

θ = rotation of horizontal lines

ψ = rotation of vertical lines

e = horizontal translation

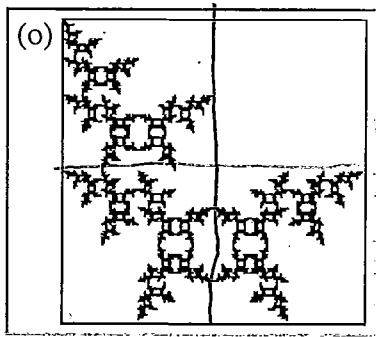
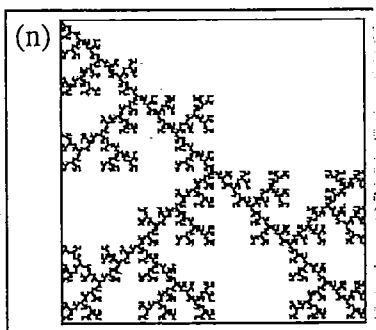
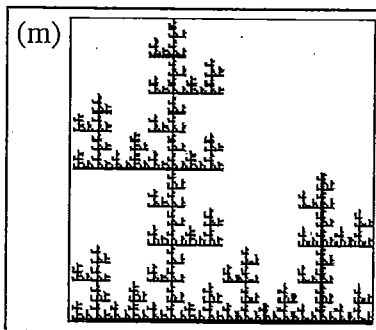
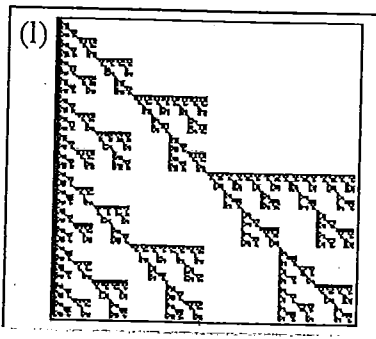
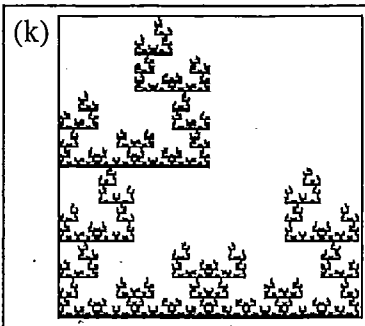
f = vertical translation



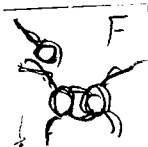
View the shape as made of smaller copies of itself

For each copy, find the r, s, θ, ψ, e, f taking the original shape to each copy

r	s	θ	ψ	e	f
.5	.5	0	0	0	0
.5	.5	0	0	.5	0
.5	.5	0	0	0	.5



r	s	θ	φ	e	f
.5	.5	0	0	0	0
.5	.5	0	0	0	.5
.5	.5	90	90	1	.5



r	s	θ	φ	e	f
.5	.5	90	90	.5	.5
.5	.5	90	-90	.5	.5
.5	.5	0	0	0	.5