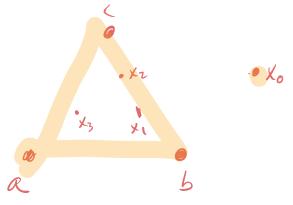
IFS = Iterated Function Systems basado en el Juego del (aos (Barnsley)



1. Dar tres pontes v= {a,b,c}

2. Elegir <u>al ezar</u> un vertice env y tomar X:+1 "a lamitad de la distancia" de ese vértice y X:

para i=0,1,...
3. repetar paso 2.

$$X_{1} = \frac{X_{0} + V_{0}}{2}$$

$$X_{2} = \frac{X_{1} + V_{1}}{2}$$

$$X_{3} = \frac{X_{2} + V_{1}}{2}$$

$$X_{4} = \frac{X_{1} + V_{1}}{2}$$

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$$X_{4} = \frac{X_{1} + V_{1}}{2}$$

$$X_{5} = \frac{X_{1} + V_{1}}{2}$$

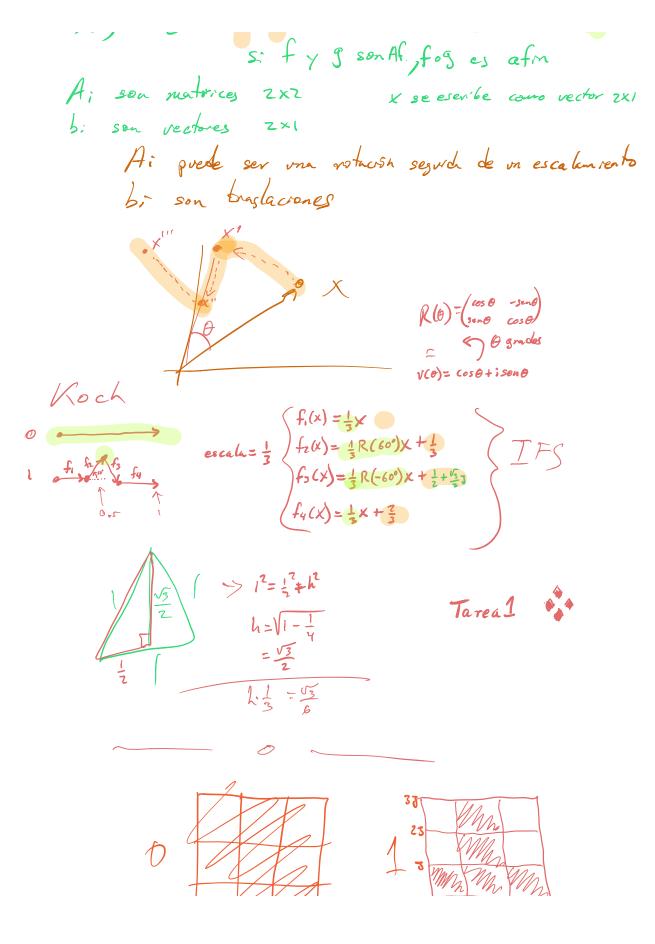
$$X_{5} = \frac{X_{1} + V_{1}}{2}$$

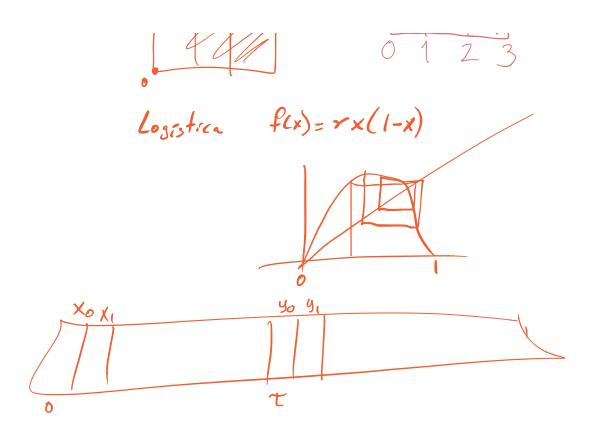
$$X_{5$$

$$f_1(x) = \frac{x+a}{2} = \frac{x}{2} + \frac{a}{2} = A_1x + b_1$$

 $f_1(x) = \frac{x+b}{2} = \frac{x}{2} + \frac{b}{2} = A_1x + b_2$
 $f_3(x) = \frac{x+c}{7} = \frac{x}{2} + \frac{c}{2} = A_3x + b_3$

To ansformerones Africes





https://github.com/fhca Complexidal 1-2018

6 (1/2)

a (1,0)

n=10000 [0,360,n] $(\cos \varphi, \sin \varphi)$