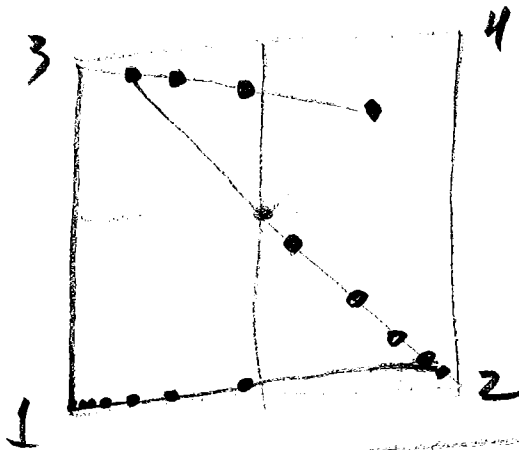
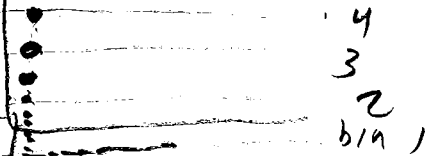


$s = .9$ logistic map



$$x_{n+1} = L(x_n) = s \cdot x_n (1 - x_n)$$

$$y_{n+1} = L(y_n)$$

Average value: $z_{n+1} = \frac{x_{n+1} + y_{n+1}}{2}$

coupled logistic maps

$$\begin{cases} x_{n+1} = (1-c) L(x_n) + c L(y_n) \\ y_{n+1} = (1-c) L(y_n) + c L(x_n) \end{cases}$$

$c, 0 \leq c \leq 1$, is the coupling constant.

$$\rightarrow z_{n+1} = \frac{x_{n+1} + y_{n+1}}{2}$$