

## HW 2

2

6

$$x_{n+1} = \frac{12}{1+x_n} ; \quad \alpha = 3$$

$$r \approx \frac{\ln E_n}{\ln E_{n+1}}$$

$$\approx \frac{\ln 3 - 3.431}{\ln 3 - 2.711}$$

$$\approx 1.5 \approx r$$

← FROM PYTHON CODE

$$|\alpha - x_n| \leq C |\alpha - x_{n-1}|^r$$