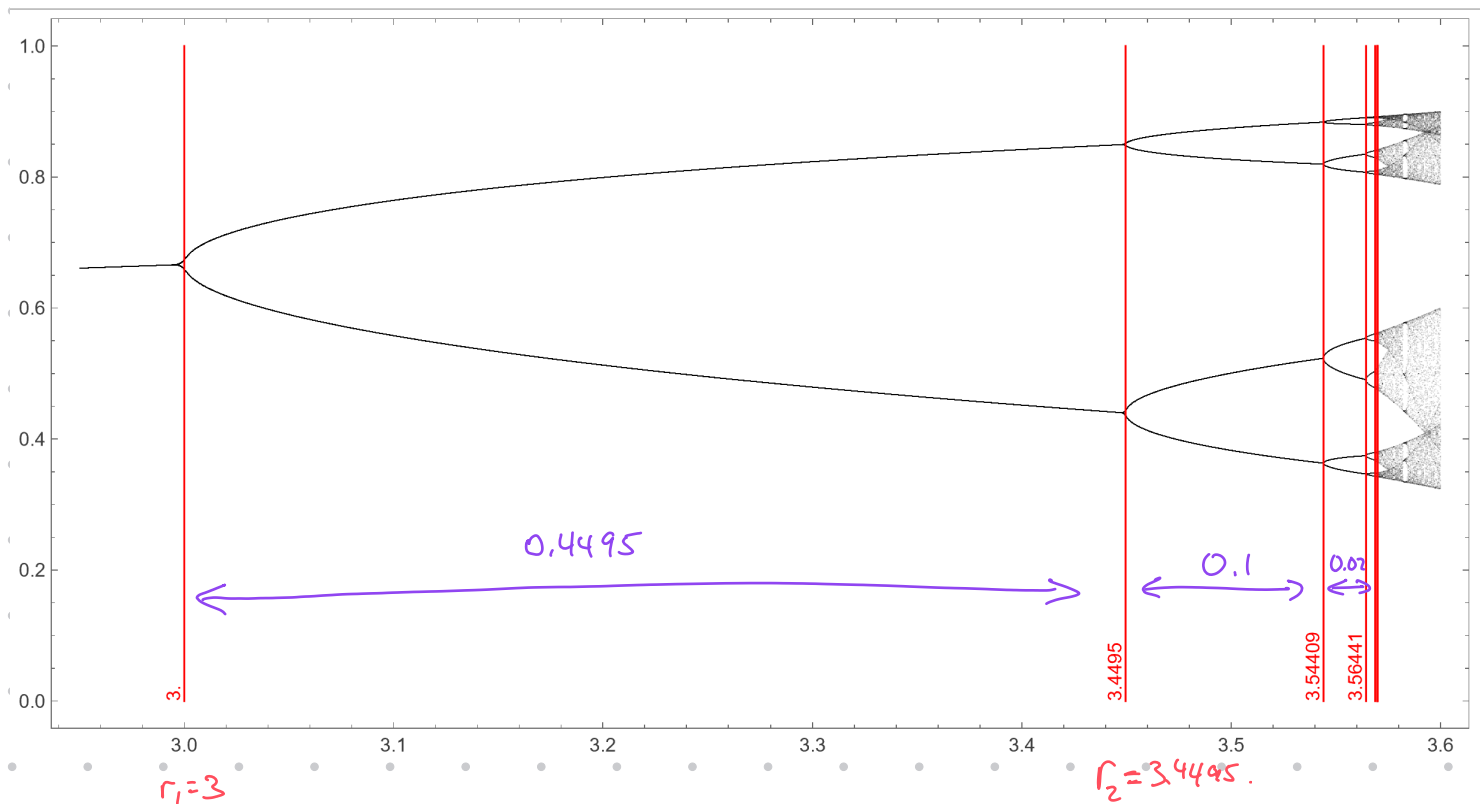


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DISCUSS:

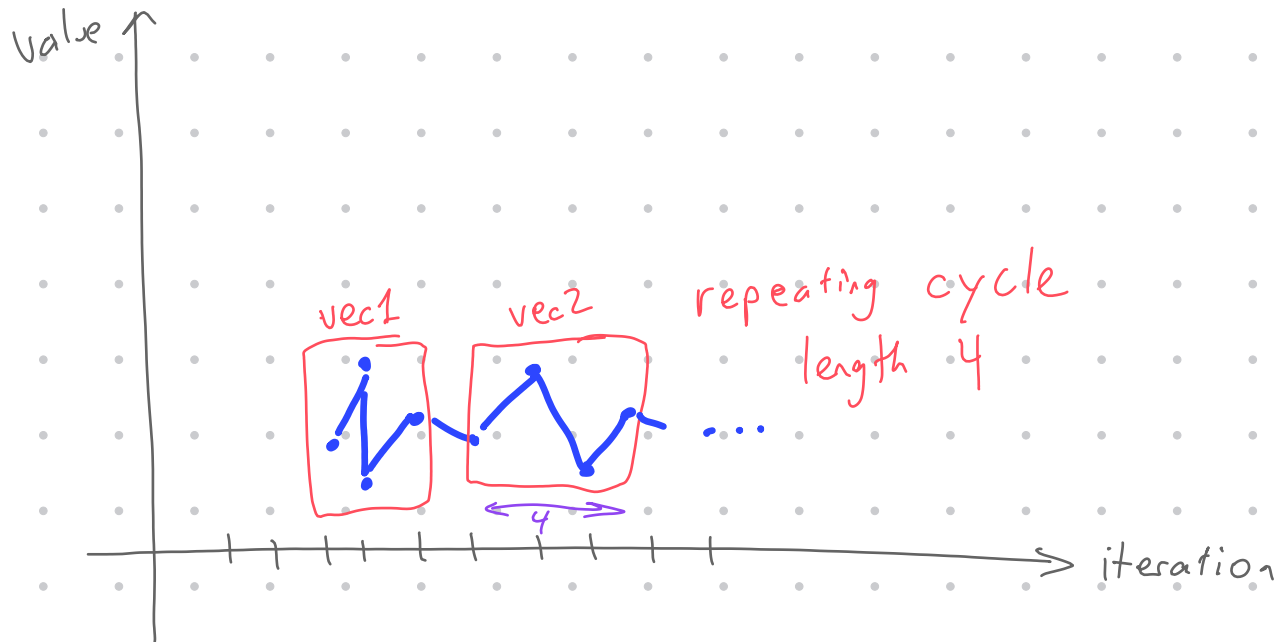
What did you find most interesting in the Veritasium video on the logistic map?



Feigenbaum Constant:

$$\delta = 4.699 \ 201 \ 609 \ 102 \dots$$

Cycle Detection



$$\text{vec1} = \{-, -, -, -\}$$

$$\text{vec2} = \{-, -, -, -\}$$

$$\text{compute: } |\text{vec1} - \text{vec2}|$$

check if this is close to zero. (components $< \epsilon$)

If so, say that trajectory has a 4-cycle.

Binary Search for locating bifurcation values:

