

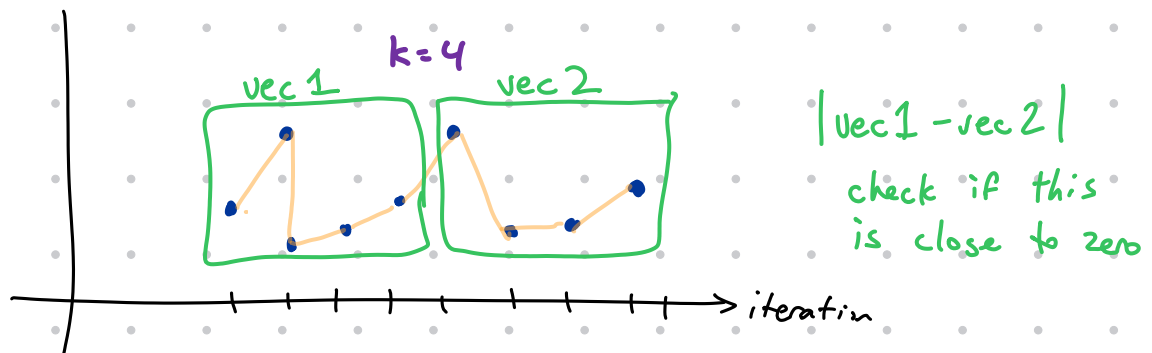
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DISCUSS:

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

Algorithm: hask cycle

input: trajectory, integer k , a tolerance parameter
return: True if trajectory nearly repeats with period k

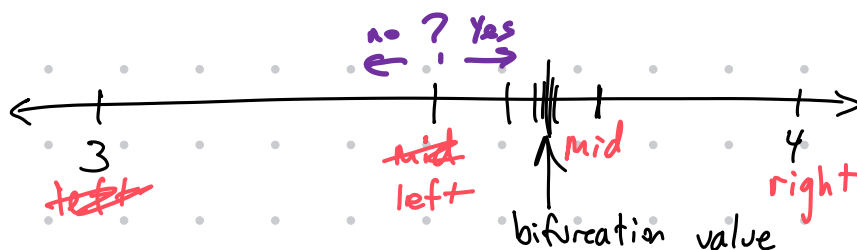


Search for bifurcation values:

Suppose we want to find where a 4-cycle bifurcates into an 8-cycle.

We want the largest r -value where we observe a 4-cycle.

BINARY SEARCH



The Feigenbaum Constant

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

