The Feigenbaum Constant

$$
\delta=4.699201609102 \ldots
$$

Algorithm: hasKCycle
return True if a trajectory (nearly) repeats with period $k$, and false otherwise

ven 1: $\left\langle v_{1}, v_{2}, v_{3}, v_{4}\right\rangle$
ven $2:\left\langle v_{5}, v_{6}, v_{7}, v_{8}\right\rangle$
Ven 1 - vec 2
check if all entries are close to zen
Search for bifurcation values:
Suppose we want to find where a 4-cycle bifurcates into an 8 -cycle.
That is, we want to find the largest revalue where a y-cycle occurs.


