

> #Please do not post!
> #Julian Herman, Assignment 23, 22nd November, 2021

> #1) I did not get anything wrong but I read over the solutions anyways!

> #2) Charles and I made some good progress on the final research project! We have now developed two ways of confirming the periodicity: One way is using ComK and the other is through numerics using a set of procedures we wrote that run OrbK() many times with random initial conditions and grabs the 1000-1005th values of each iteration and then checks if they are of the format: $(\psi, \phi, \frac{\phi}{\psi}, \frac{1}{\psi}, \frac{1}{\phi}, \frac{\psi}{\phi}) \dots$ We will discuss this more in office hours!