

1165-39-203

**C D Lynd\*** (clynd@bloomu.edu). *Anti-Competitive Systems of Difference Equations*. Preliminary report.

There are 112 systems of first-order, rational-linear difference equations where the corresponding map  $F$  is anti-competitive and its second iterate,  $F^2$ , is strongly competitive. Twelve of these systems have been analyzed in previous papers. In this project, I will analyze the remaining systems and prove a theorem that describes the global behavior of the solutions for all 112 systems in this class. (Received January 18, 2021)