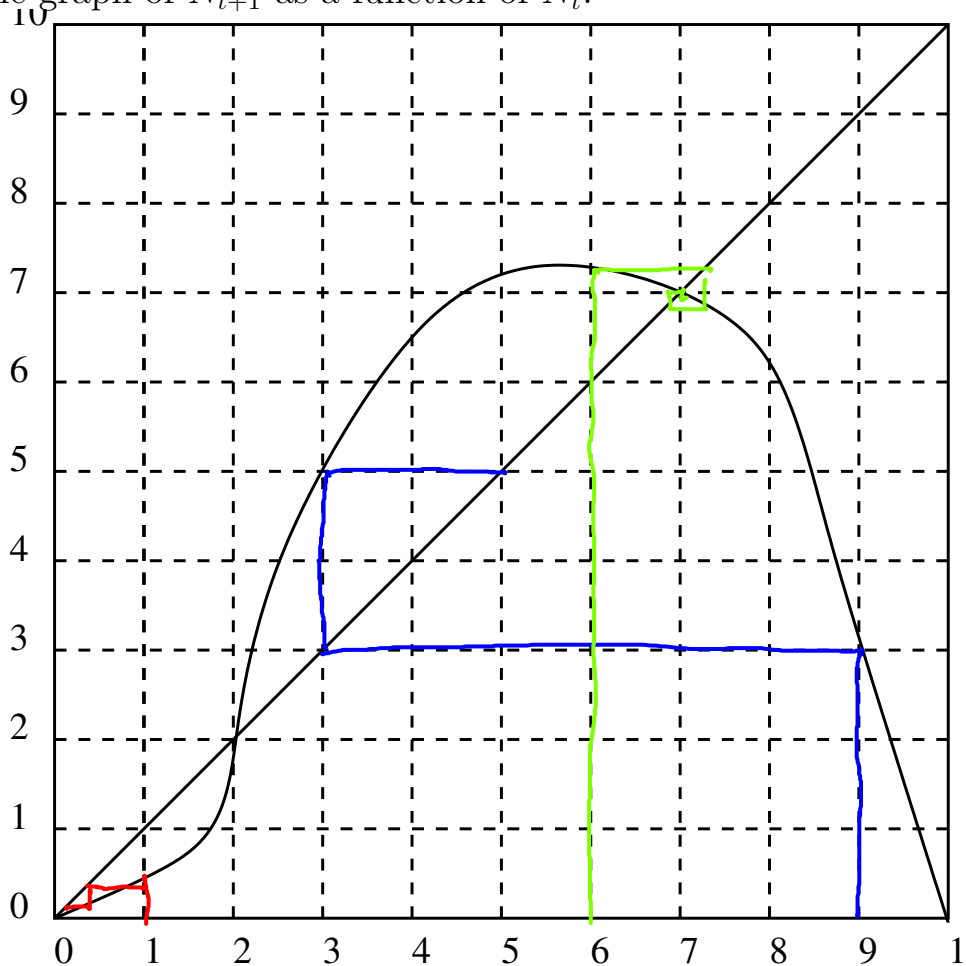


Quiz 18

Name: key

You must show your work to get full credit.

Here is the graph of N_{t+1} as a function of N_t .



- If $N_0 = 9$ estimate N_1 and N_2 . *Blue lines*
 $N_1 \approx$ 3 $N_2 \approx$ 5
- If $N_0 = 1$ estimate the following *red lines*
 $N_1 \approx$.5 $N_2 \approx$.2 $N_{17} \approx$ 0
- If $N_0 = 6$ estimate the following *green lines*
 N_1 7.3 $N_{10} \approx$ 7
- What are the equilibrium points of this system?
 The equilibrium points are 0, 2, 7
- What are the stable equilibrium points?
 The stable points are 0, 7