| NAME | EQUATION | EQUILIBRIA | STABILITY |
| :---: | :--- | :---: | :---: |
| Arithmetic <br> sequence | $\Delta x=d$ <br> $x_{n+1}=x_{n}+d,(d \neq 0)$ <br> $x_{n}=x_{0}+d \cdot n$ | none |  |
| Geometric <br> sequence | $\Delta x=k \cdot x_{n}$ <br> $x_{n+1}=R \cdot x_{n},(R=1+k)$ <br> solution: $x_{n}=x_{0} \cdot R^{n}$ |  |  |

