Name  
Date  
Math 214

**Lab 03**

Beverton-Holt Model Equilibrium Points

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| --- | --- |
|  | **Condition for Stability** |
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|  |  |

*When the value of is sampled from you will notice htat though some simulations have the population getting close to extinction, in the end (i.e., by year 100) each population is thriving. Why does this happen? Hint: Consider the stability conditions given above.*

*Insert graphs A-C here.*

*When the value of is sampled from and the simulations are run for a long period of time (e.g. 500 or 1000 time steps), what happens to the population in each simulation? Why does this happen? Hint: Consider the stability conditions given above, and the relative size of the sampled value of at each time step.*

*Insert graph D here.*