Science 1 Predator Prey Model → Prey: y → Predator: 2 Attemptions:
frey birth & size of population
frey death & size of fd & fy pop
fa birth & size of fd & fy pop

- late of change of a population = Birth Rate - Ceath Rate of Population balance Equ

→ 
$$\frac{d^2}{dt} = \frac{d^2}{dt} =$$

- To find the eleady states, we set the diff equ to 0

$$\hat{y} = \frac{\alpha}{\beta}$$

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$$\hat{x} = \frac{\gamma}{\delta}$$

$$\left[\begin{array}{c} 1 \\ (7/6, 4/8) \end{array}\right] = \left[\begin{array}{c} 0 - 78/8 \\ 84/8 \end{array}\right] \rightarrow \text{eizen values are imaginary}$$