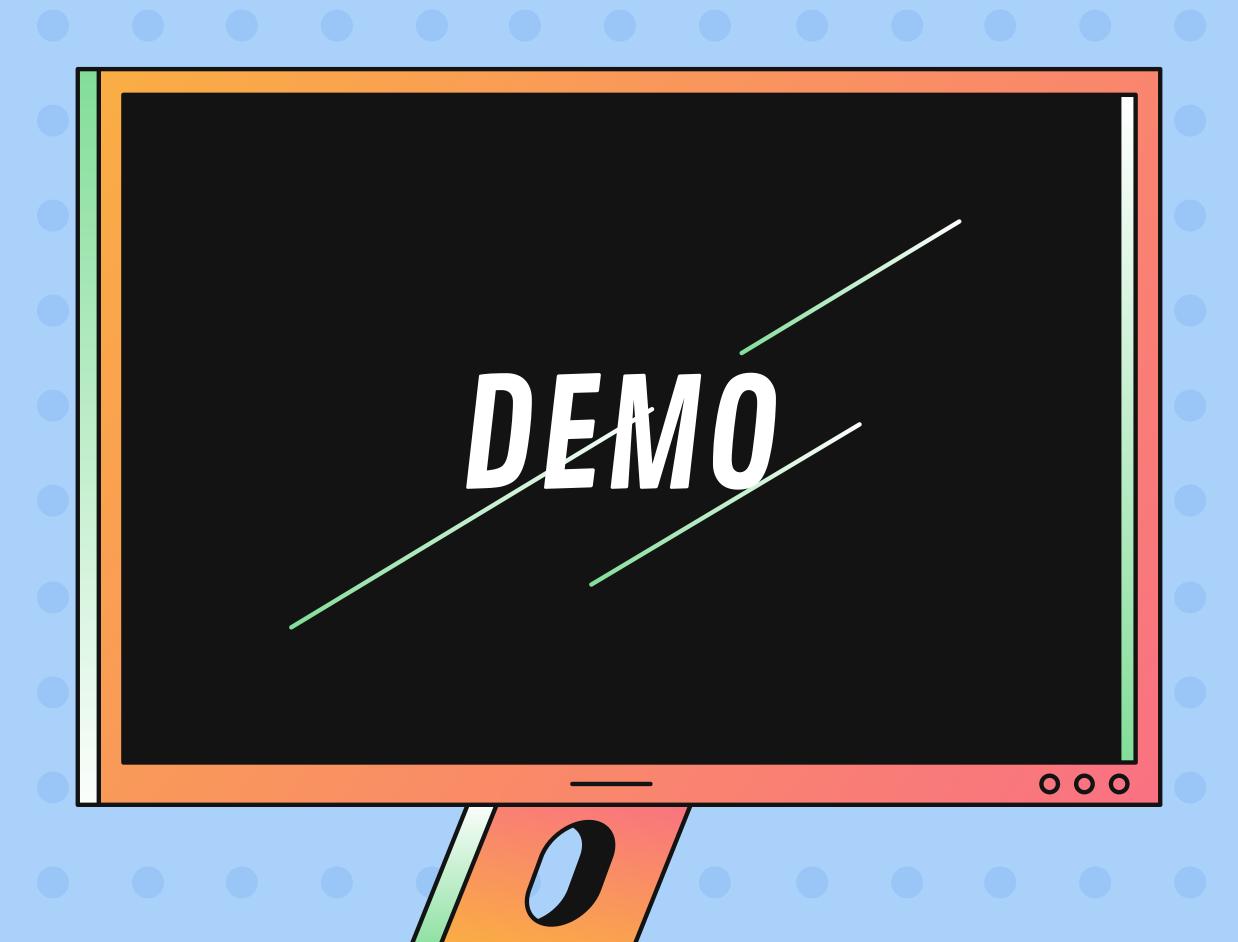


DEFINE THE AGENTS breed [rabbits a-rabbit] breed [foxes fox]

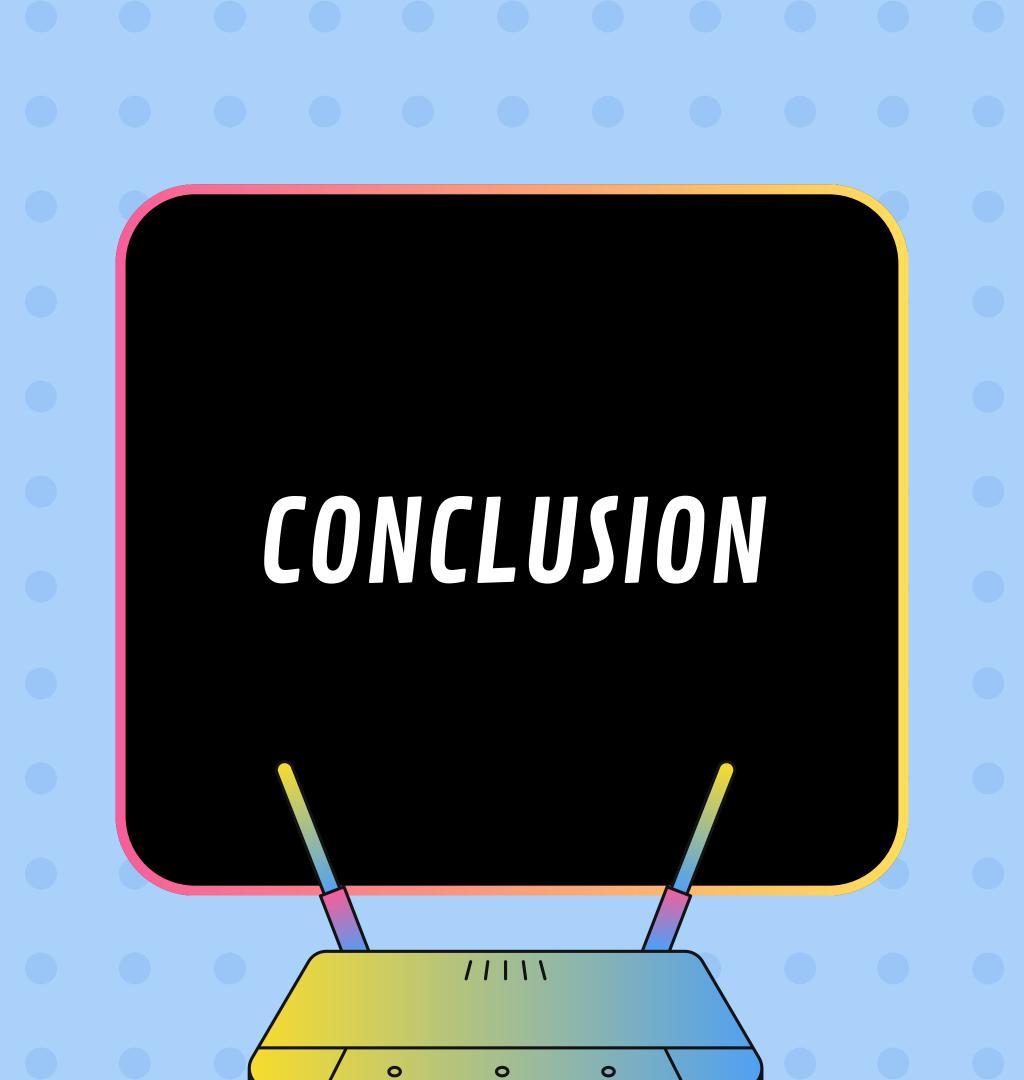
INITIALIZING VARIABLES to setup clear-all ifelse netlogo-web? [set max-rabbits 10000] [set max-rabbits 30000] ifelse Growth-Model = "Constrained-Growth" [ask patches [set pcolor one-of [green brown] ifelse pcolor = green [set countdown grass-regrowth-time set countdown random grass-regrowth-time create-foxes initial-number-foxes [set shape "wolf" set color orange set size 2 set energy random (2 * fox-gain-from-food) setxy random-xcor random-ycor

INITIALIZING VARIABLES ; For "Unconstrained-Growth", make all patches green immediately and set countdown to 1 ask patches [set pcolor green set countdown 1 create-rabbits initial-number-rabbits [set shape "rabbit" set color white set size 1.5 set energy random (2 * rabbit-gain-from-food) setxy random-xcor random-ycor reset-ticks





- Exponential growth in the absence of predators.
- Grass levels recovered when herbivore numbers dropped.
- Ecosystem balance depends on interaction among species
- Predator-prey dynamics led to



- Predator presence is essential to control prey population
- Balanced ecosystems show rational population dynamics
- Predator-prey interactions help restore and maintain plant resources
- Ecosystem stability relies on species interaction and resource limits

