Linear Model:

* 1 dimensional
* 50/50 mix of two colors
* People make space for other people. No defined space
* Based off of 8 neighbors
* Moving when one is dissatisfied, goes to the nearest place that satisfies their needs
  + Move in turn from left to right
* If a person is discontent, then someone moves in next to him and he becomes content, then they don’t move
* People want at least 50% of their neighbors to be like them

Area Distribution Model:

* 2 Dimensional
* People can only move into a vacant space
* Neighborhood is defined by surrounding 8 spaces
* 25%-30% of spaces are vacant
* Moves to closest space that meets their color preferences
* Equal or different ratios of black to white
* Equal or unequal demands for like neighbors
* Greater segregation with unequal numbers of black to white
* Larger area increases likelihood to segregate

Bounded neighborhood model

* A person will reside in their area unless the overall ratio of black/white isn’t to their liking. Then will try to move to a different area
  + The area is a defined region
* There is a level of tolerance that each person has
  + Higher it is then the more blacks/whites don’t mind living next to eachother

Things that can be changed:

* Neighborhood size
* Demanded percentage of one’s own color
* Ratio of starting colors
* Rules governing movement
* Original configuration

Extension of bounded neighboorhood:

1. Income and prices of housing
   * Every turtle starts with starting cash random from $100 - $X
   * Every tick a turtle earns a salary
     + The salary is a percentage based off their net income (cash they have + how much their house is worth)
   * Every location they move has a price
   * All people have racial tolerances
   * There are four quadrants
     + All quadrants are priced differently
       - Based off the average income of everyone living there
   * People want to move when their threshold for nearby races isn’t met or if they can afford the next higher quadrant
     + They move to the most expensive quadrant they can afford and meets their racial tolerances where there are spaces
   * People will move to a cheaper house if their current place doesn’t meet their racial tolerances
   * People won’t move if their racial tolerances are met, if they can’t afford to move anywhere, or if all areas they can afford to move are full
   * People will move to a cheaper neighborhood if their racial tolerances can’t be met in their own