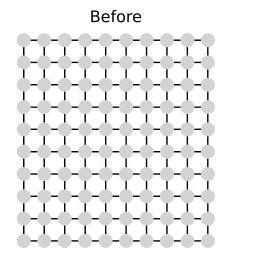School Nova Computer Science 201
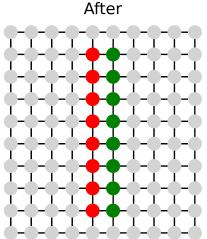**Homework**
Posted: 11/21/2021. Due: 12/4/2021.

Extend the classwork code by creating visualization of the grid of agents. Use the previous classwork code (planes and airports) and modify the plot function accordingly. Some suggestions:

Instead of a list of airports, have three separate lists for S, I, and R agents.

Use the following colors: "lightgrey" for S, "red" for I, and "green" for R.

Create two plots: before and after. In the 'before' plot, all agents are S. In the 'after' plot, agents 41-48 are infected, agents 51-59 are recovered. (Make sure to make the relevant agents infected and recovered). Create two versions of your plots: without labels and with labels. You final output should look similar to the below:

Without labels:

With labels: