**DOCUMENTATION REPORT**

**X22228268**

The following nomenclature has been followed while naming the figures in the report file:

A graph of a graph and a graph of a graph

Description automatically generated

Figure 6: x22228268\_C59&C87. Left side for longer simulation.

I have executed the simulation for n = 20 days and n = 50 days for the longer simulation run. The caption for the figures contains the name of the ipynb jupyter notebook file, followed by the execution cell number in that respective ipynb jupyter file.

The left-hand side of the above figure has been generated for the 20 days simulation run, and the righthand side of the above figure is for the 50 days simulation run.

The main file containing the source code is **x22228268\_. Ipynb** and most of the figures used in the report file has been taken from the main file. All other ipynb notebooks are earlier versions of this project to prove incremental development of this project and authenticity of my work.

Regards

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