readme

First, install the dependencies with pip install -r requirement.txt

Then, run each script with python3 dl_and_ul.py. The script with generate the following files:

- cell_id.png shows the arrangement of cell IDs.
- dl_grid_with_walk.png shows the entire grid (containing 6 clusters) and the random walk path of the MS in the grid.
- dl_handoff.csv saves the list of handoff event in the downlink problem, sorted by time.
- ul_msinit.png shows the initial locations of the 100 MS.
- ul_grid_with_walk.png shows the entire grid and the random walk path of one
 MS in the grid.
 - By default, it is configured to show the 7th MS, but changing the test_ms variable in the script can show another MS path.
- ul_handoff.csv saves the list of handoff event in the uplink problem, sorted first by time then by MS ID.

helper.py doesn't need to be ran, it contains helper functions for the scripts.