1. You can find the “BPA\_project” folder in the desktop of the computer at which you have remote access.
2. In the “BPA\_project” folder you can find “Test\_connect\_HA” in which I have all the files there. In this folder you should read sequentially the following .gms files: "HA\_UC\_model.gms", "HA\_CF\_model.gms", "HA\_CF\_model2.gms", and "HA\_UC\_model2.gms".
3. In the folder "Test\_connect\_HA>Data" you can find two .csv files that need to be updated in each iteration: "Day\_number.csv" indicating the day number 0, 1, 2, 3 (we run 4 days so far), and "Hour\_number.csv" indicating the hour that we are running starting from 1 to 24.
4. After running "HA\_UC\_model.gms" and "HA\_CF\_model.gms", you can obtain "Action\_DX\_HY.csv" and "Load\_forecast\_DX\_HY.csv" corresponding to day X and hour Y.
5. Now, you should provide the "Minimum\_availability\_bounds.csv" and "Maximum\_availability\_bounds.csv" from DEPO and keep them in the folder "Data". You can read them directly from that folder for all the simulations. First, I want to assume that those availabilities are zero and once we get the communication done I will update those files for all hours and days.
6. Run "HA\_CF\_model2.gms" and you will obtain the "Maximum\_load\_DX\_HY.csv" and "Minimum\_load\_DX\_HY.csv".
7. Now, DEPO should provide the actual schedule. I am assuming that the schedule is "pext\_2round", but once the communication is done we can update that file.
8. Finally, run "HA\_UC\_model2.gms" and that's the end.