

New Assignment | 02/03/2022

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What has been talked and seen:

After running the scenarios with density 10, 100 and 500, and changing the lookahead time we saw that the results weren't what was expected. The difference of number of conflicts between running the scenarios the default lookahead (300s) and the new lookahead (15s) was nearly unnoticeable.

The final conclusion was that it probably was a matter of how the number of conflicts were counted, since those outside the circle with radius 1 nm, were counted as well.

The mean value with the default lookahead time for density 10 is **4,41 conflicts**, for density 100 is **531,01 conflicts** and for density 500 is **13314,06 conflicts**.

Whereas the mean value with a lookahead time of 15 seconds for density 10 is **4,36 conflicts**, for density 100 is **529,33 conflicts** and for density 500 is **9238,16 conflicts**.

New Tasks:

1. Check the uploaded code and get familiar with it.
2. Learn how to call Conflict Resolution module.
Check the mvp and the different ways it applies changes (hdg, spd, priority...)
Apply the module first to a pair (2 drones) and then to 3 drones.