

# Homework (Project) III Obstacle Avoidance

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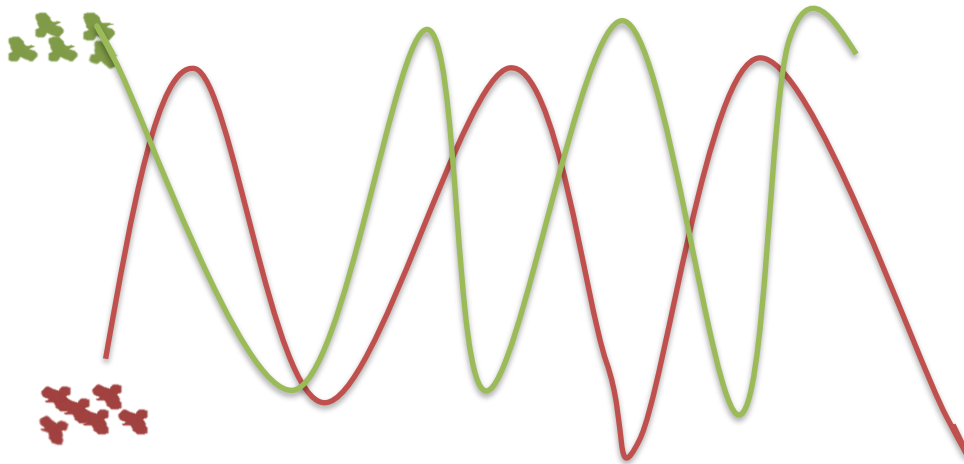
**Due Dates: 10/04/17, 10pm (Submission on blackboard)**

**Points: 7.5**

**Assignment Type: Groups (2-3 members)**

As for your last homework, a clear user interface, and a readme are required. In particular, in your readme file, describe/justify all of the design decisions you make in this assignment:

- 1) What did you do for avoiding a group of agents? What are the weights of path following and evade behavior?
- 2) What are the differences in cone check and collision prediction's performances?



Implementation Requirement:

- As shown in the picture above, you are going to create two groups of agents, with at least 6 agents in each group
- One group starts from the lower left corner and one starts from the upper left corner. They cross paths at least 3 times before reaching the other end of the screen
- Implement **both cone check and collision prediction**
- Name your submission "collision\_ *last name* *first name*"