Alright Max

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Behaviour of a nest maintenence worker.

Some explanitory background:

While there is allot of data about speed of reaction of nest maintenance workers i cant seem to find how they are recruited, so I decided to pull a 213.

My model

At the beginning of the day after the trail patrollers have come back one ant goes outside the nest as a nest maintenance worker

If he finds a peice of crap he tries to move it

If it moves faster than a given speed he moves it

(this wont be relevant yet but if we incorporate hannas stuff it will be important

If he cant he goes and recruits an inactive to help him

inactive assumes nest maintenence code

While wandering around if a nest maintenence worker meets another nest maintenence worker they have a 10% chance of going back to the nest and becoming an inactive (get rid of excess)

If a nest maintenance worker hasnt seen a forager for x number of ticks he goes back inside. (signal the end of the day)

■ Experiments I would like to propose:

- 1. My camera experiment for which we place a camera above a nest for a day, this can simply be done with the ones here at CU for simplicity
- 2. Place a high frequency microphone near the ant nest.