Weekly report

1 My *Objectives* this week

- Completing Simulation for 2 robots infinite friction algorithm

- Upgrading firmware in windows

- Running go to the light on kilobits

2 My *Accomplishments* this week

2.1 *Kilobots*

- I finally found how to change kilobots' firmware, I did that for the controller and 31 kilobots, I can now program them.

- I tried the go to the light program, but it needs some calibration to work. So I am making the code and calibration right now to see if it works or not.

- Now even with mac we can program the kilobots. (So I removed windows on my machine)

2.2 *Algorithms*

- I wrote a draft function that gives the right answer in some cases. But our simulator doesn't work properly and sees errors, I have to fix that to see the result properly but the right path is there. Code is submitted to the github.

3 My *Plan* for next week

- Correcting errors in simulations and apply it to both directions(x,y)

- Completing code for kilobots.

- Start working with Arduino and programming the light bulbs.

3.1 Meeting with Dr. Becker

- Unfortunately I have filled a wrong form for my QE. And it seems that I have to fill another form for my PhD committee too. I would appreciate if we could discuss about these forms.