CSU647 – CSG258: SWARM

Assignment 1

Due date: Tuesday 1/20.

1. Read the document describing how the infrared remote control signals are encoded/interfaced with the robosapien main board (http://www.ccs.neu.edu/home/noubir/Courses/SWARM/S09/docs/robosapien-IR.pdf).
2. Write a program that sends the command "Walk Forward" (code 0x86) to the robosapien through one of the pins of Tmote Sky. You can choose one of 10 or 6 pins expansion connectors.
3. Optimize your code to be able to encode and send any command. This corresponds to encoding any 1 byte in a computation and memory efficient way.