6.006 Homework Problem Set 3, Part A # INSERT COLLABORATORS HERE YOUR NAME HERE October 7, 2008

(a) The running time of detect_collisions is

 Θ (INSERT RUNNING TIME HERE)

because INSERT EXPLANATION HERE

(b) EXPLAIN YOUR ALGORITHM

This solution should be submitted in detection.py.

(c) The running time of my algorithm is

 Θ (INSERT RUNNING TIME HERE)

because INSERT EXPLANATION HERE

(d) I detected COLLISIONS collisions and with STEPS simulation steps per second. With the original code, I got STEPS simulation steps per second.