**Homework 5**

Last problem:

In the 3-dimentional matching problem, someone could use the matching algorithm to take a whole 3-d model and match it with a choice of n other models. There is a show called CSI that I have seen once, and they matched someone’s 3-d footprint in the mud with a database of shoes. I think this algorithm would be appropriate.

In the Max Cut problem, you could use the algorithm to solve the best way to “cut the fruit” in a game called “Fruit Ninja” in the most efficient way. This would increase the amount of points you get for each fruit you cut in one swipe.

The Boolean satisfactory 3-Sat algorithm could be used on the game Battleship.

Using the Knapsack optimization algorithm I would be able to fit the most amount of important items in my backpack for all of my classes.