Binary Space Partition Trees

1. Recap: Binary Search Tree

```
public class BinTree {
   float value;
   BinTree less;
   BinTree greater;

   boolean contains(float x) {









  }
}
```

1. An ArrayList of java.awt.Point

```
ArrayList<Point> data = new ArrayList<Point>();
data.add(new Point(1,1));
```
… and so on for (2,5),(3,1),(3,4),(5,2),(5,5)

2. **Binary Space Partition Trees**: Binary Search Trees in multiple dimensions
    a. Construction
    b. Find
    c. Special Cases:
        i. Axis-aligned
        ii. K-d tree
        iii. Quadtree