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**Computer Science and Economics Minor**

**2015 Excel Research**

**Professor Liew**

**The Red Black Tree Cases**

Working Draft June 26, 2015

**Red Black Tree Insertion:**

**Cases**

1. Nothing
2. Recolor Root Black
3. Color Flip
4. Single Rotation
5. Double Rotation

**Red Black Tree Deletion:**

**Cases**

1. Nothing
2. Swap Values
3. Simple Deletion
4. Replace and Delete
5. Recolor Root Black
6. Drop and Rotate
7. Color Flip
8. Single Rotation
9. Double Rotation