1. Describe some ways to ensure balanced partitions.  (2 pt)
2. Describe the two main approaches to partitioning a database with secondary indexes. (2 pt)
3. Describe some ways to rebalance partitions. (2 pt)
4. Describe the concept of service discovery and some ways of dealing with it.  What are some existing products that deal with this concept in terms of distributed data systems? (2 pt)
5. (Algorithms) What are the different parts of a graph and how do they affect the complexity (in terms of O notation) of the Breadth First Search algorithm?  (1 pt)
6. (Algorithms) What is the difference between a Breadth First Search and a Depth First Search?  When should someone use one over the other?  (1 pt)