1. What is Leader-Based Replication?  Give some examples and discuss some problems. (4 pts)
2. Define, compare, and contrast the following types of Multi-Leader Replication Topologies (3 pts):
   * Circular Topology
   * Start Topology
   * All-to-All Topology
3. Explain what is going on in the following architecture and what we can do to fix it. (3 pts)
4. A screenshot of a map

   Description automatically generated