

Two Different Models of Distributed Systems

- Synchronous System Model and Asynchronous System Model
- Synchronous Distributed System
 - Each message is received within bounded time
 - Drift of each process' local clock has a known bound
 - Each step in a process takes $lb < \text{time} < ub$

E.g., A collection of processors connected by a communication bus, e.g., a Cray supercomputer or a multicore machine