

Summary

- Consensus Problem
 - Agreement in distributed systems
 - Solution exists in synchronous system model (e.g., supercomputer)
 - Impossible to solve in an asynchronous system (e.g., Internet, Web)
 - Key idea: with even one (adversarial) crash-stop process failure, there are always sequences of events for the system to decide any which way
 - Holds true regardless of whatever algorithm you choose!
 - FLP impossibility proof
- One of the most fundamental results in distributed