

Outline for February 1, 2001

1. Greetings and felicitations!
 - a. Friday times good, also Tuesday 3-4:30. Please send me your preferences!
2. Clocks
 - b. Vector clocks and causal relation
 - c. ordering of messages so you receive them in the order sent
 - i. why
 - ii. for broadcast (ISIS): Birman-Schiper-Stephenson
 - iii. for point to point: Schiper-Eggli-Sandoz
3. Global state
 - a. Show problem of slicing state when something is in transit
 - b. Define local state; $send(m_{ij}) \in LS_i$ iff time of $send(m_{ij}) <$ current time of LS_i ; similar for receive
 - c. $transit(LS_i, LS_j)$; $inconsistent(LS_i, LS_j)$; consistent state is one with inconsistent set empty for all pairs LS_i, LS_j
 - d. Consistent global state: Chandry-Lamport
4. Termination detection
 - a. Haung