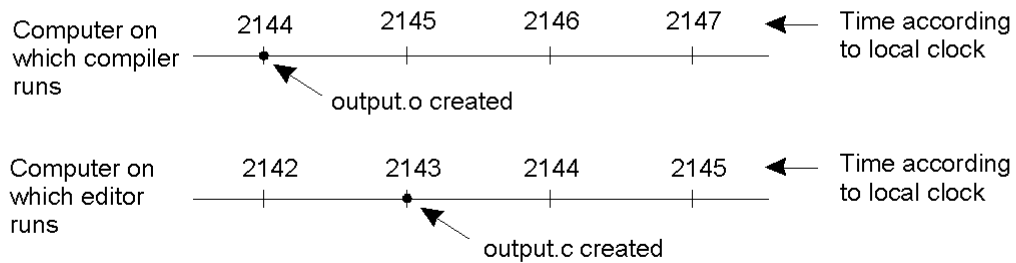


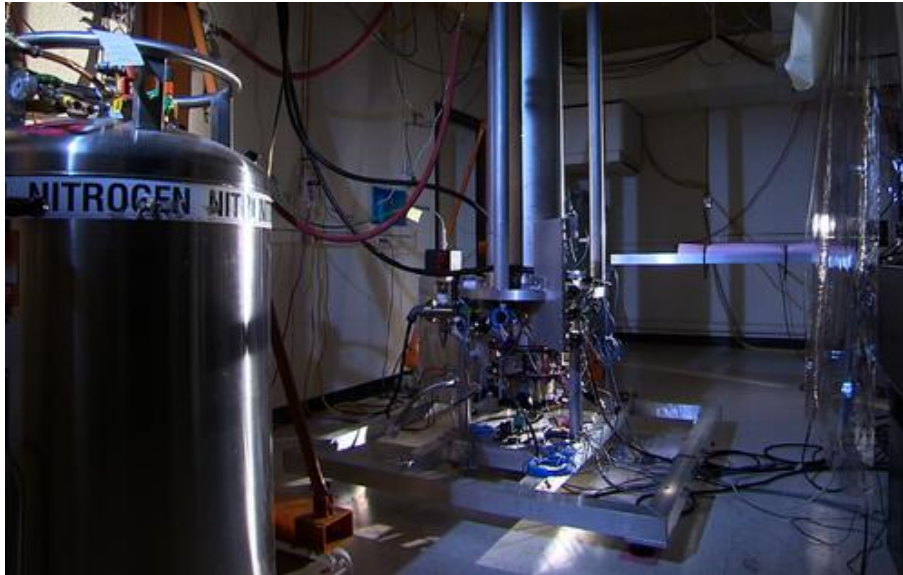
Time



Event Ordering in Make

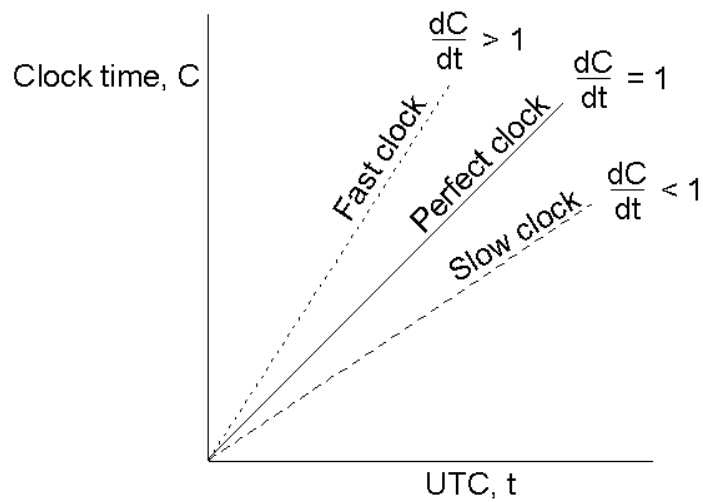


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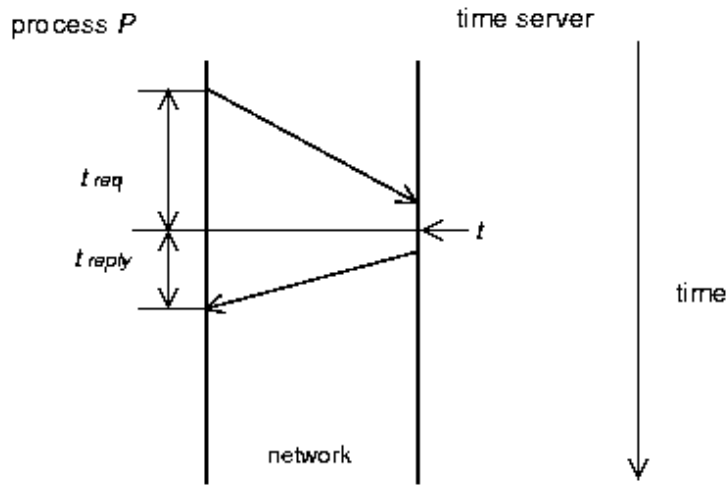


Atomic Clock!

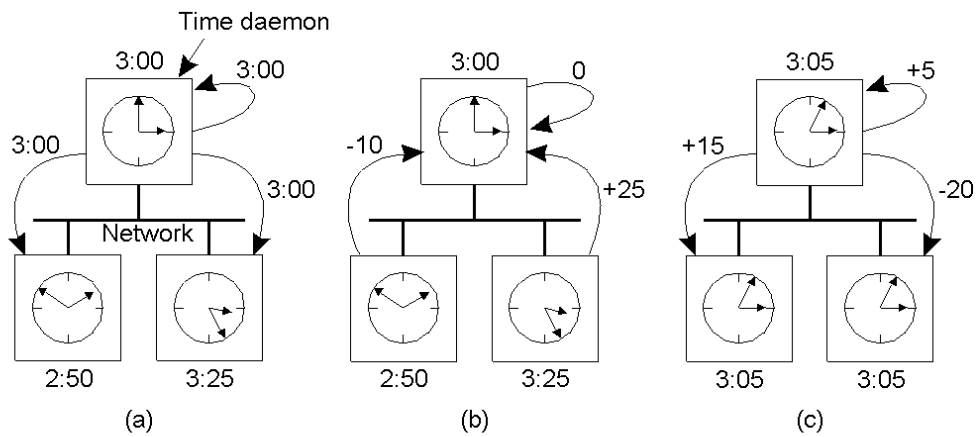
Clock Synchronization



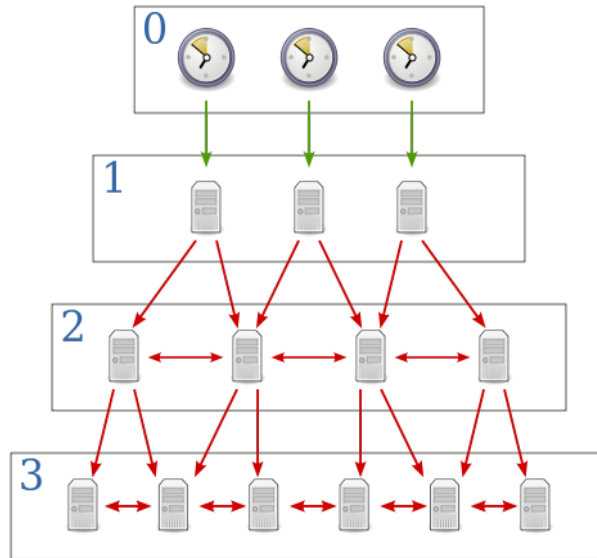
Cristian's Algorithm



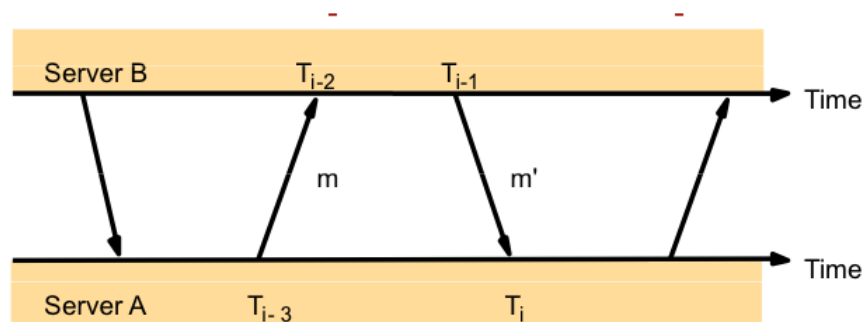
Berkeley Algorithm



Network Time Protocol (NTP) Strata



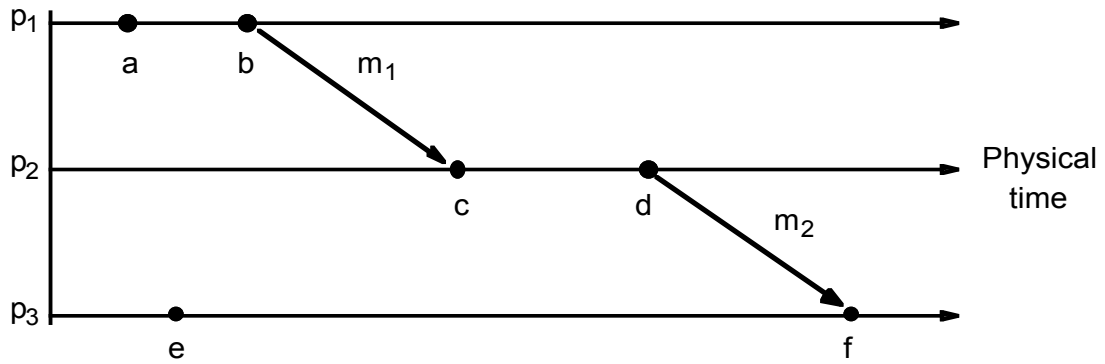
NTP Synchronization



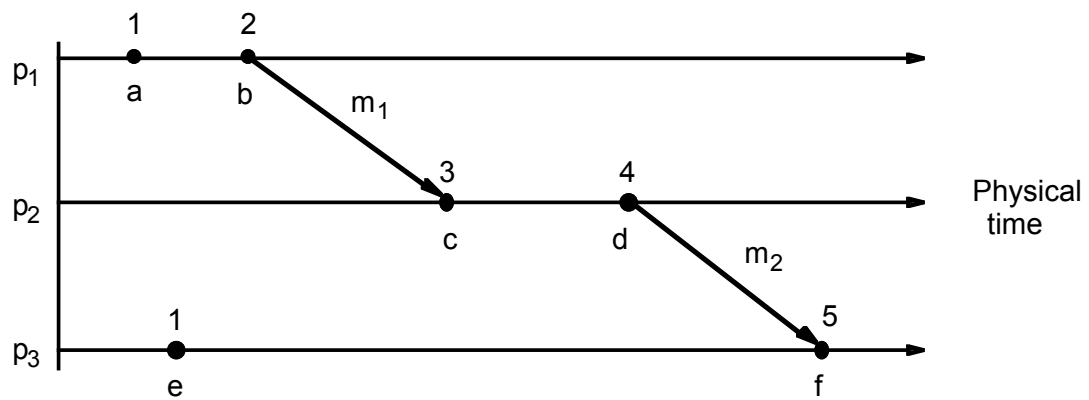
$$o_i = (T_{i-2} - T_{i-3} + T_{i-1} - T_i) / 2$$

$$d_i = T_{i-2} - T_{i-3} + T_i - T_{i-1}$$

Logical Clocks



Lamport Clocks



Vector Clocks

