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6 Specify the relationship between local and global state?

Ans: All the local snapshots get disseminated to all other processes and all the processes can determine the global state.

What is the rule of marker in Chandy-Lamports algorithm?

Anstananter sending rule for a process P

oppecards its state

· For each outgoing channel C from P on which a marker has not been already sent, P sende a morker along C before Pende further merrages along C.

Marker Receiving Rule for a Process Q.

if a has not recorded its state then record me chate of and · record me state of cas an empty seq.
ofollow the "Marker sending Rule".

erecard the state of c as the sog, of mag,
received along c after Q's state was received
before a received the morker along C.

@ Describe the procedure to captite the global state using Chandy-Lamport's algo Any Chandy & Lamport were the first to propose a algo. to capture consistent glabal State of a distributed system. The mainide behind proposed algorithm is that if we know that all message that have been sent by one process have been received by another then we can recard the global state of the system Any process in the distributed system can in: trate this global state recording algorithm using a special message called MARHER. This marker traverse the distributed system across all Communication channel and cause each process to record its own state. In the end, the state of entire system is recorded.