Ricart - Agamuala Algorithm aims to acheive mutual exclusion in a distributed system while minimising message complexity and avoid deadlocks.

Concepts Applied:

1. Request-Reply Messages: Perocesses in the system communicates with each other by sending request and reply missages. Processes use these missages to sequest access to control scution and to ground or deny access to other processes.

2. Timestamps: Each process maintains a logical clock to timestamp its events. Timestamps are used to establish a ordering of events in the System.

Algorithm:

1. When a process wants to enter the critical section, it sends a request message to all other frocess, including its own timestamp.

2-upon receiving a request message, a fewcer compare its sequest's timestances with its own. If the incoming acquest has a lower timestamp, the sprocess sends a reply granting access.

3. If its receiving process under contral section, it decres its neply until it exits outical Section.

RICARTA - AGARMANA ALBIORITHE of After exiting the coefficiel section, the processe check ets deferred supply greve and sends applies to defferred acquest minimisery message concepts Applied, 1 haywest-Roply Missages. Proceeses in the Eyes. commission with each stress by sending, my sent sen sessoos. Sabesson where pro to saguest aures to critical scention and to 2. Timestants Each process maintains a log clock to timestamp its events. Timestamps or used to establish a ordering of events in Algorithm 1. When a fewers wants to enter the conti section , it seeds a request forces, including it some message to a time stump. is soon receiving a request message, a for compare its sequest a timestang with its? if the interning request has a lown him! the process esude a reply granting allers 3 of the 2011 of 8