

i -> j is a link? i E in-neighbors, and J E out-neighbors i Round" or execution of a Step" initialization (D) Each process i EV is in one State of Start; (2) All channels one pempty (3 in lock-step repeately do following (a) (i) apply mexige genation function to

Current State

(ii) Put the generated mexicoges in

Out going Channel (appropriate)

(b) (i) ap apply state transition function

to Current State and the inventor to current State and the incoming (ii) remove all received messages from incoming Channels. mensages 4 go to new state when a message is received, no limit (a) £(b) [s one Step. or how long to proun H.

(3)	
	Deterministic Model.
	Why Synchronous model? (hard to
	implement in
	(aleasier to develop synchronous distribute
	algorithm (b) if a problem is impossible to Some
	in asynchronous model also.
	Chapter 3. Leader Electron in Synchronous rings.
	e a Example
	8 processes
	All processes [execute the Same Golo!] run same distributed algorithm
	All processes are identical?
	Impossible to select a leadly

Symmetry breaking? louh process has a unique i'd. example of 8-process ring. Leader = process with largest id Unidirectional ring