







Mutual exclusion without hardware support	
This was a hot topic in the 1970s and 80s. Examples for N-process mutual exclusion are: Eisenberg M. A. and McGuire M. R., Further comments on Dijkstra's concurrent programming control problem CACM 15(11), 1972	
Lamport L A new solution to Dijkstra's concurrent programming problem CACM, 17(8), 1974 (his N-process bakery algorithm)	
For uniprocessors and multiprocessors these algorithms impose huge overhead. In practice, OSs built mutual exclusion on atomic hardware instructions.	
It is not proven that these programs are correct for multicore	
Classical shared memory concurrency control	5

































