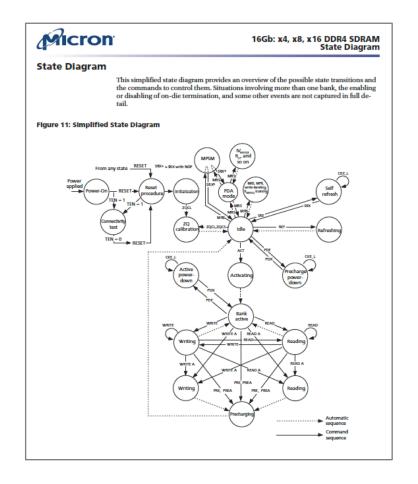
The Ubiquitous Finite Automaton

- Finite automata are found in all areas of computer science and electrical engineering.
 - In several contexts, they act as transducers rather than as recognizers.

• The abstract computational model of a finite automaton can be implemented either in hardware or in software.

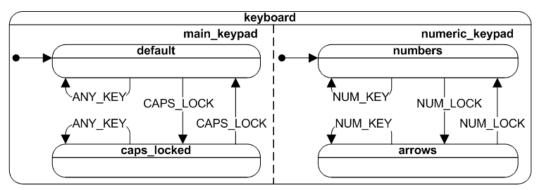
Finite Automata in Hardware



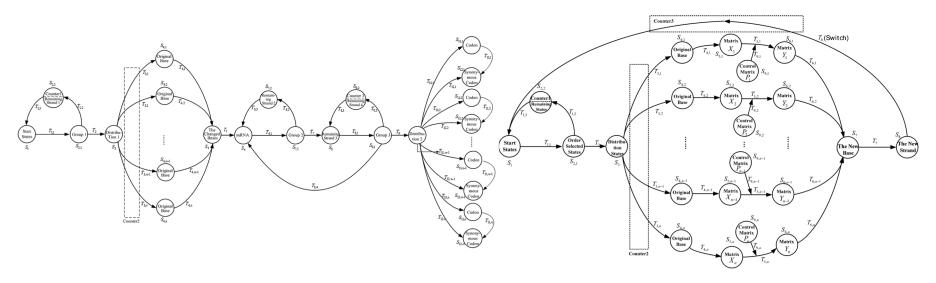




Finite Automata in Software



By Mirosamek (talk) - I (Mirosamek (talk)) created this work entirely by myself., CC BY-SA 3.0, https://en.wikipedia.org/w/index.php?curid=23947484



"The Application of Finite State Machine in Modeling and Control of Gene Mutation Process", Rui Gao, Wensong Hu, and Tzyh-Jong Tarn, IEEE Transactions on Nanobioscience, 12(4), 265-274. December 2013.