

an introduction to automata pdf

A finite-state machine (FSM) or finite-state automaton (FSA, plural: automata), finite automaton, or simply a state machine, is a mathematical model of computation. It is an abstract machine that can be in exactly one of a finite number of states at any given time. The FSM can change from one state to another in response to some external inputs; the change from one state to another is called a ...

Finite-state machine - Wikipedia

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In automata theory, a finite state machine is called a deterministic finite automaton (DFA), if . each of its transitions is uniquely determined by its source state and input symbol, and; reading an input symbol is required for each state transition. A nondeterministic finite automaton (NFA), or nondeterministic finite state machine, does not need to obey these restrictions.

Nondeterministic finite automaton - Wikipedia

Thomas H. Cormen Charles E. Leiserson Ronald L. Rivest Clifford Stein Introduction to Algorithms Third Edition The MIT Press Cambridge, Massachusetts London, England

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