

Models of Computation

Models of computing machinery and programs

Overview

- Models with finite memory
 - * Finite State Automata
 - * Nondeterministic Finite State Automata
 - * Regular Expressions
 - * Transducers
 - * JavaCC lexer generation
 - * UML's state diagrams
- Models with stack memory
 - * Context free grammars
 - * Push down automata
 - * Recursive descent parsing
 - * JavaCC parser generation
- Models of infinite memory
 - * WHILE programs
 - * RAM machines
 - * Turning Machines
 - * PRAM machines