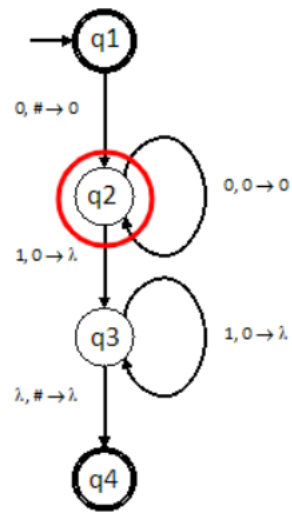# Push Down Automata Visualization

Input = 0011

Start   Next Step

Chars: 0011

Topic

In this Project, the stack and transition diagram status is displayed instantaneously according to the entered value. In this way, the stack and transition diagram status can be followed step by step.

Summary

In the theory of computation, a branch of theoretical computer science, a pushdown automaton (PDA) is a type of automaton that employs a stack.

Pushdown automata are used in theories about what can be computed by machines. They are more capable than finite-state machines but less capable than Turing machines. Deterministic pushdown automata can recognize all deterministic context-free languages while nondeterministic ones can recognize all context-free languages, with the former often used in parser design.

Back-End

This Project was written with pure Javascript and all drawings for visualization are drawn on a canvas.

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