

In-class Practice 15: PDAs

A PDA is by definition nondeterministic. Give:

- (a) a language that is accepted by a (nondeterministic) pushdown automaton but not by a deterministic one.
- (b) a language that is accepted by a deterministic pushdown automaton but not by a finite automaton.
- (c) a language that is accepted by a (nondeterministic) pushdown automaton but whose complement is not.
- (d) a language that is accepted by a deterministic pushdown automaton but whose complement is not.