RACSO DFA CFG Operations: Reg, CF PDA Reductions: K, WP, CFG, NP, SAT ANTLR: lex, syn Exams
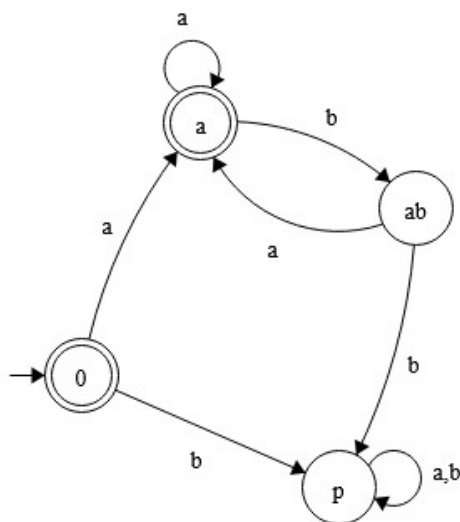
nil.casas.duatis

Exercise ‹32›: Minimum DFA for $\{w \in \{a, b\}^* \mid |w|_{aba} = |w|_b\}$

Describe the minimum DFA that recognizes the words over $\{a, b\}$ which have the same number of occurrences of aba as occurrences of b.

Authors: Guillem Godoy / *Documentation:*

Date: 2025-02-26 16:24:45
Verdict: `accepted`

Correct automaton.

[Fullscreen]

[Switch to text editor]

Usage:

- **Add a state:** double-click on background.
- **Add a transition:** shift-drag from a state to a state.
- **Make a starting state:** shift-drag from background to a state.
- **Make an accepting state:** double-click on a state.

Automaton encoded in text:

```
     a   b
0    a   p   +
a    a   ab  +
ab   a   p
p    p   p
```

[Submit]   Previous submissions