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

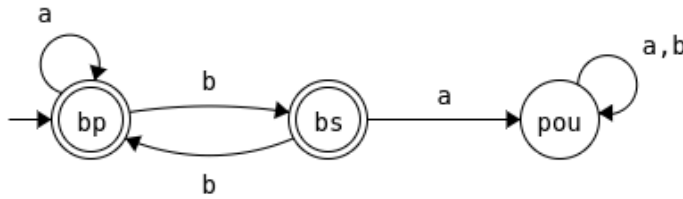# **Exercise ⟨8⟩:** Minimum DFA for $\{w \in \{a,b\}^* \mid \forall x, y : (w = xay \Rightarrow |x|_b \in \dot{2})\}$

Describe the minimum DFA that recognizes the words over $\{a,b\}$ such that to the left of each occurrence of a there is an even number of b's.

Authors: Guillem Godoy / *Documentation:*

Date: 2025-02-12 16:51:37
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
  bp   bp   bs   +
  bs   pou  bp   +
  pou  pou  pou
```

Submit   Previous submissions