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

Exercise (10): Minimum DFA for
$$\{w\in\{a,b\}^*\mid \forall x,y: ((w=xy\wedge|x|\geq 3)\Rightarrow (|x|_a\in\dot{2}\vee|x|_b\in\dot{2}))\}$$

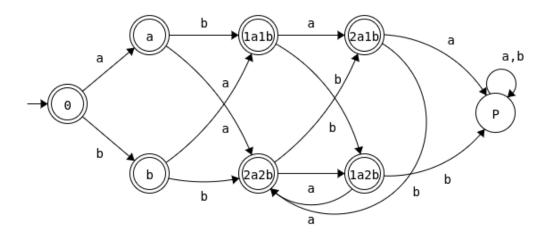
Describe the minimum DFA that recognizes the language of the words over $\{a,b\}$ such that every prefix of length greater than or equal to 3 has an even number of a's or an even number of b's.

Authors: Guillem Godoy / Documentation:

Date: 2025-02-19 15:40:24

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:

Submit

Previous submissions