

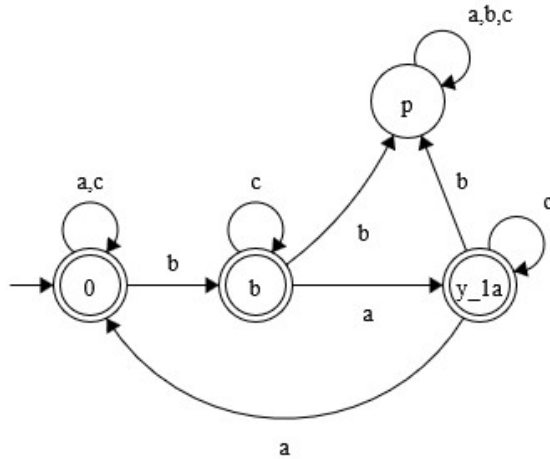
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nil.casas.duatis

Exercise 19: Minimum DFA for $\{w \in \{a, b, c\}^* \mid \forall x, y, z : (w = xbybz \Rightarrow |y|_a \geq 2)\}$

Describe the minimum DFA that recognizes the words over $\{a, b, c\}$ such that between every two occurrences of b there are at least two occurrences of a .

Authors: Guillem Godoy / Documentation:



Date: 2025-02-20 13:06:36

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	c	
0	0	b	0	+
b	y_1a	p	b	+
p	p	p	p	
y_1a	0	p	y_1a	+

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