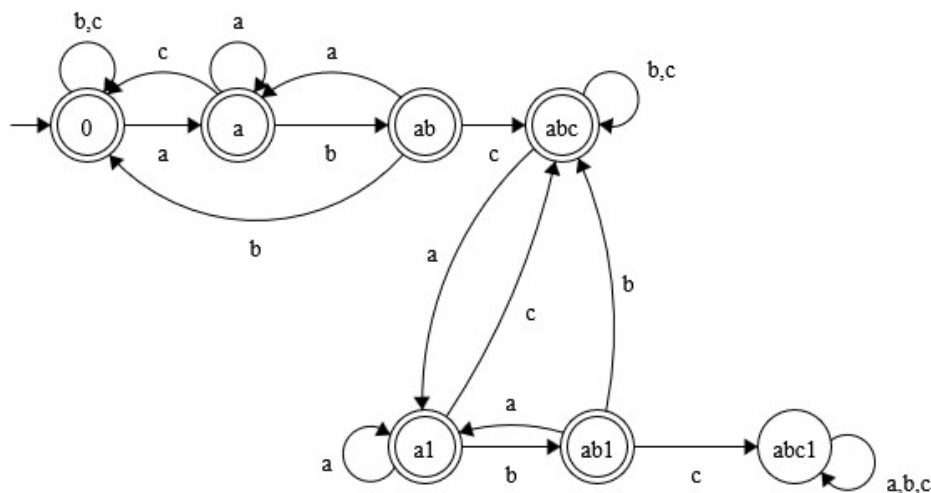


Exercise 18: Minimum DFA for $\{w \in \{a, b, c\}^* \mid |w|_{abc} \leq 1\}$

Describe the minimum DFA that recognizes the words over $\{a, b, c\}$ that have at most one occurrence of the subword abc .

Authors: Guillem Godoy / Documentation:



Date: 2025-02-20 13:02:53

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	a	0	0	+
a	a	ab	0	+
a1	a1	ab1	abc	+
ab	a	0	abc	+
ab1	a1	abc	abc1	+
abc	a1	abc	abc	+
abc1	abc1	abc1	abc1	

Submit

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