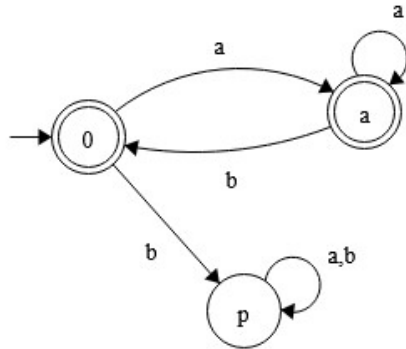nil.casas.duatis

Exercise ‹31›: Minimum DFA for $\{w \in \{a, b\}^* \mid |w|_{ab} = |w|_b\}$

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

Authors: Guillem Godoy / *Documentation:*

Date: 2025-02-26 16:17:07
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 0 +
p p p
```

Submit   Previous submissions