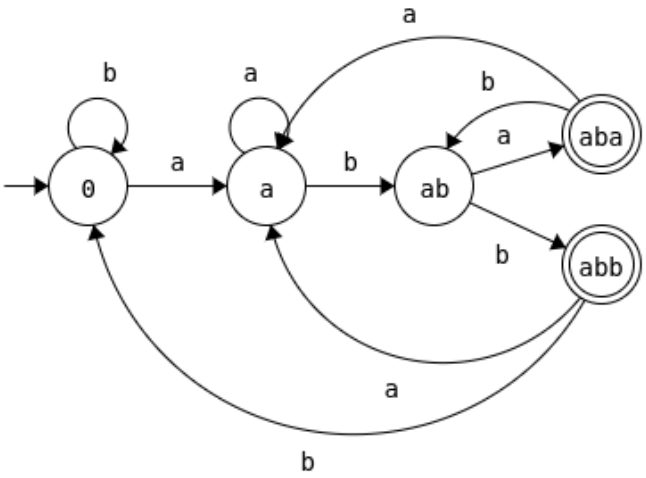
Exercise 7: Minimum DFA for $\{w \in \{a,b\}^* \mid \exists x,y : (w = xaby \wedge |y| = 1)\}$

Describe the minimum DFA that recognizes the words over $\{a,b\}$ such that the symbol a appears in the third from the last position, and the symbol b appears in the penultimate position.

Authors: Guillem Godoy / *Documentation:*

Date: 2025-02-12 16:33:21
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   0
  a   a   ab
  ab  aba abb
  aba a   ab  +
  abb a   0   +
```

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