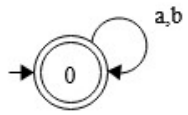
Exercise 39: Minimum DFA for $\{xy \in \{a,b\}^* \mid |x|_{aa} = |y|_b\}$

Describe the minimum DFA that recognizes the words over $\{a,b\}$ that can be divided into two parts such that the number of subwords aa of the first part equals to the number of b's of the second part.

Authors: Guillem Godoy / *Documentation:*

Date: 2025-02-26 16:52:57
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 0 0 +
```

Submit Previous submissions