

Exercise 37: Minimum DFA for $\{xy \in \{a, b\}^* \mid |x|_a = |y|_a\}$

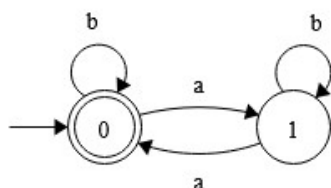
Describe the minimum DFA that recognizes the words over $\{a, b\}$ that can be divided into two parts that contain the same amount of a 's.

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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 1 0 +
1 0 1

```

Submit

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