

Exercise 3: Minimum DFA for $\{w \in \{a, b\}^* \mid |w|_a \notin 2 \vee |w|_b \notin 2\}$

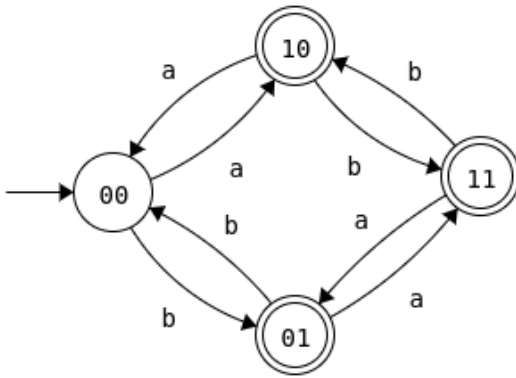
Describe the minimum DFA that recognizes the language of words over $\{a, b\}$ with an odd number of a 's or an odd number of b 's.

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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
00 10 01
01 11 00 +
10 00 11 +
11 01 10 +

```

Submit

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