Exercise ‹17›: Minimum DFA for $\{w \in \{a,b\}^* \mid |w|_{aba} = 0 \wedge |w|_{bab} = 0 \wedge \exists x : w = xaaa\}$

Describe the minimum DFA that recognizes the words over $\{a, b\}$ that end in aaa, and do not contain aba or bab.

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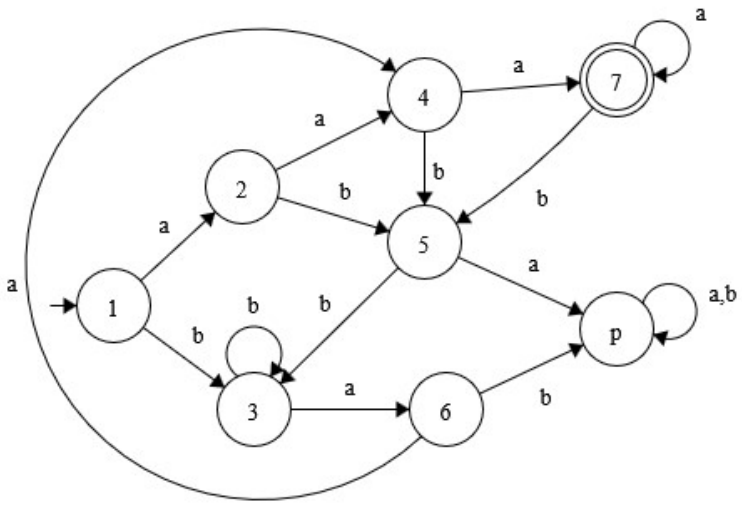
Date: 2025-02-20 12:58:50
Verdict: accepted

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
1 2 3
2 4 5
3 6 3
4 7 5
5 p 3
6 4 p
7 7 5 +
p p p
```

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