

**Exercise 14:** Minimum DFA for  $\{w \in \{a, b\}^* \mid \forall x : (w = bbx \Rightarrow |x|_{aa} = 0)\}$ 

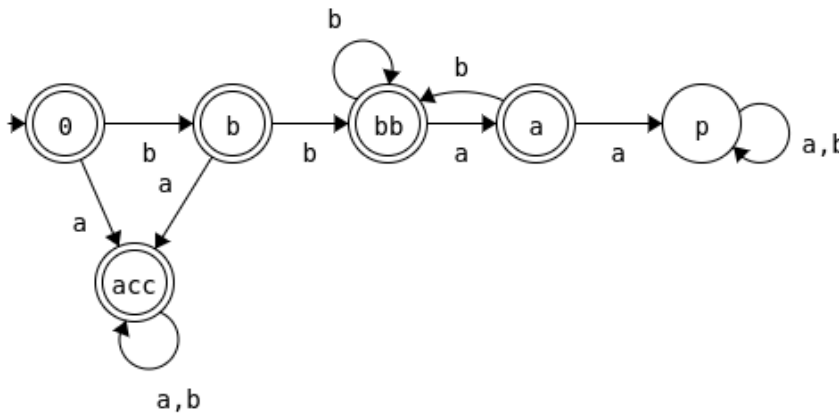
Describe the minimum DFA that recognizes the words over  $\{a, b\}$  such that, if they start with  $bb$ , then they do not contain  $aa$ .

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Date: 2025-02-19 17:25:10

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  acc b  +
a  p  bb +
acc acc acc +
b  acc bb +
bb a  bb +
p  p  p

```

Submit

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