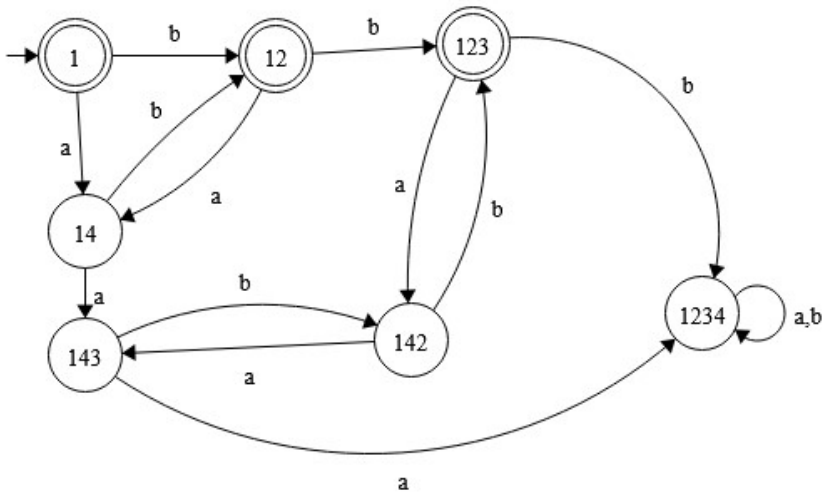
Exercise ‹28›: Minimum DFA for $\{w \in \{a,b\}^* \mid \forall x,y : ((w = xy \wedge |y| \notin \dot{2}) \Rightarrow |y|_b = 1 + |y|_a)\}$

Describe the minimum DFA that recognizes the words over $\{a,b\}$ whose suffixes of odd length have the propierty that their number of b's equals their number of a's plus 1.

Authors: Guillem Godoy / *Documentation:*

Date: 2025-02-26 15:37:20
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     14   12   +
12    14   123  +
123   142  1234 +
1234  1234 1234
14    143  12
142   143  123
143   1234 142
```

Submit Previous submissions