

**Exercise 24:** Minimum DFA for  $\{w \in \{0, 1\}^* \mid \text{value}_2(w) \notin 4\}$ 

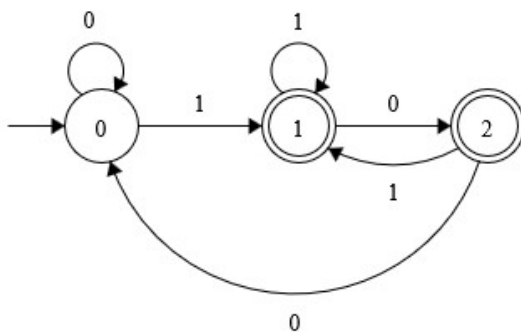
Describe the minimum DFA that recognizes the words over  $\{0, 1\}$  such that interpreted in binary represent a natural number which is not multiple of 4 (in particular, the empty word represents 0, which is multiple of 4).

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**Date:** 2025-02-20 13:56:05

**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:

```

0 1
0 0 1
1 2 1 +
2 0 1 +

```

Submit

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