RACSO <u>DFA</u> <u>CFG</u> Operations: <u>Reg</u>, <u>CF</u> <u>PDA</u> Reductions: <u>K</u>, <u>WP</u>, <u>CFG</u>, <u>NP</u>, <u>SAT</u> ANTLR: <u>lex</u>, <u>syn</u> <u>Exams</u>

nil.casas.duatis

Exercise ‹23›: Minimum DFA for $\{w \in \{0,1\}^* \mid \mathtt{value}_2(w) \in \dot{4}\}$
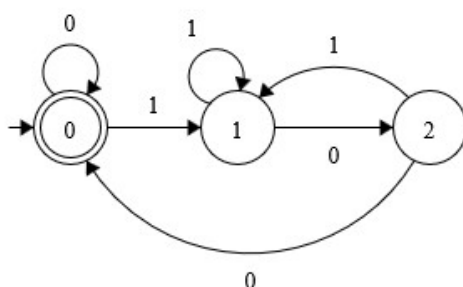
Describe the minimum DFA that recognizes the words over $\{0,1\}$ such that interpreted in binary represent a natural number multiple of 4 (in particular, the empty word represents 0, which is multiple of 4).

Authors: Guillem Godoy / *Documentation:*

Date: 2025-02-20 13:54:40
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] <u>Previous submissions</u>