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

nil.casas.duatis

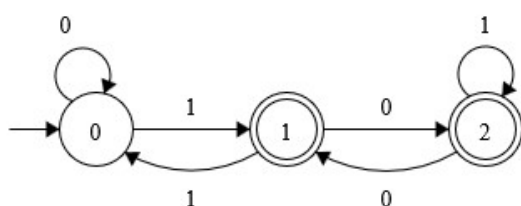# Exercise ‹22›: Minimum DFA for $\{w \in \{0,1\}^* \mid \text{value}_2(w) \notin \dot{3}\}$

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 3 (in particular, the empty word represents 0, which is multiple of 3).

Authors: Guillem Godoy / *Documentation:*

Date: 2025-02-20 13:35:36
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 0 +
2 1 2 +
```

Submit   Previous submissions