Exercise ‹25›: Minimum DFA for $\{w \in \{0,1\}^* \mid \texttt{value}_2(w) \in \dot{5}\}$

Describe the minimum DFA that recognizes the words over $\{0,1\}$ such that interpreted in binary represent a natural number multiple of 5 (in particular, the empty word represents 0, which is multiple of 5).

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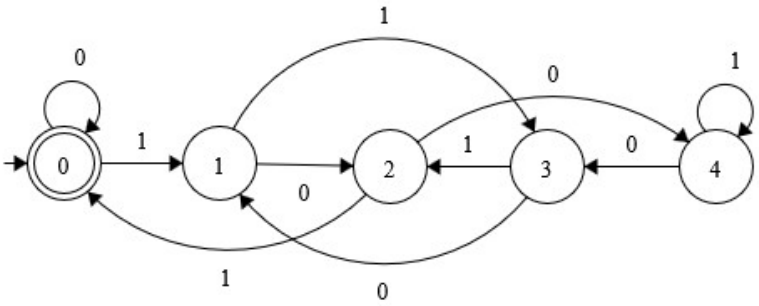
Date: 2025-02-20 13:57:30
Verdict: accepted

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 3
2 4 0
3 1 2
4 3 4
```

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