

## **MANUAL DE EJECUCIÓN**

# DFA.C MANUAL

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## Dependencies

- Ruby (>2.0)
- GNU Make (3.81)

## System Information

*This program was tested on the following systems:*

```
OS: MacOS 10.12.4
Processor: i7 2-Core/4T @ 3.3GHz
RAM: 16GB @2133MHz
```

```
OS: Fedora 25
Processor: i7 4-Core/8T @ 4.7GHz
RAM: 32GB @2400MHz
```

## How to execute

```
make dfa && ./dfa
```

Example expected Output:

Number of States: 6

The transition function:

M 0 0 = 6

M 0 1 = 1

M 1 0 = 2

M 1 1 = 1

M 2 0 = 2

M 2 1 = 4

M 3 0 = 1

M 3 1 = 2

M 4 0 = 5

M 4 1 = 4

M 5 0 = 1

M 5 1 = 3

Number of final states: 4

Final states:

3 6 5 4

\$ q\_{1}10110011001110000 \vdash 1q\_{1}0110011001110000 \vdash 10q\_{6}110011001110000 \vdash 101q\_{3}10011001110000 \vdash 1011q\_{4}0011001110000 \vdash 10110q\_{1}011001110000 \vdash 101100q\_{6}11001110000 \vdash 1011001q\_{3}1001110000 \vdash 10110011q\_{4}001110000 \vdash 101100110q\_{1}01110000 \vdash 1011001100q\_{6}1110000 \vdash 10110011001q\_{3}110000 \vdash 101100110011q\_{4}10000 \vdash 1011001100111q\_{2}0000 \vdash 10110011001110q\_{2}000 \vdash 101100110011100q\_{2}00 \vdash 1011001100111000q\_{2}0 \vdash 10110011001110000q\_{2} \$

The string does not belong to the language of the automata.