Finite State Machine Example

The machine sets the output variable "result" to the sum of digits in modulo 3.

0
q0 / 0
1
2
2
1
0
q1 / 1
1
2
q2 / 2
0
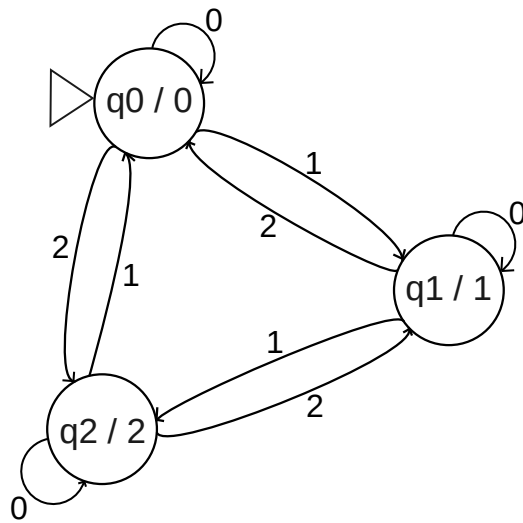
Equivalent Turing Machine (without state outputs)

The input is given in the following form: ▷ ␣ 0 1 2 1 2 ␣

0
R
1
2
1
2
0
R
1
2
Halt
R
0
␣
␣
␣