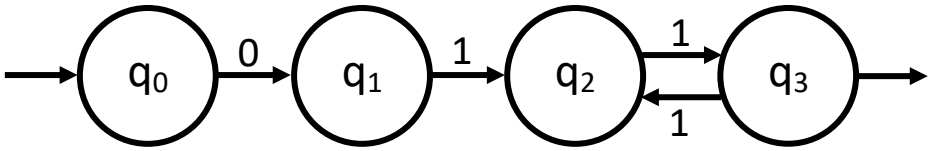
NKA začínající nulou. Po nule n dvojic 11, kdy n ≥ 1.



Regex:

$$0 \cdot (1 \cdot 1)^* \cdot (1 \cdot 1)$$

IF(x AND y) { THEN z } = IF(x) AND(y) THEN(z)

ST = State
R = Read
# = NIC
q_{ano} = KONEC

1) IF(ST = q_0) AND(R = 0) THEN(ST = q_1)
2) IF(ST = q_1) AND(R = 1) THEN(ST = q_2)
3) IF(ST = q_2) AND(R = 1) THEN(ST = q_3)
4) IF(ST = q_3) AND(R = #) THEN(ST = q_{ano})
5) IF(ST = q_3) AND(R = 1) THEN(ST = q_2)

01111 (NA PÁSCE: 01111##...#)

$$\begin{array}{cccccccc} & 0 & & 1 & & 1 & & 1 & & 1 & & \# \\ & & 1 & & 2 & & 3 & & 5 & & 3 & & 4 \\ q_0 & \rightarrow & q_1 & \rightarrow & q_2 & \rightarrow & q_3 & \rightarrow & q_2 & \rightarrow & q_3 & \rightarrow & q_{ano} \end{array}$$

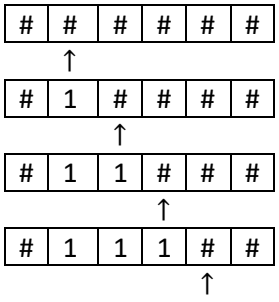
Turing

ST = State
R = Read
W = Write
M = Move

1) IF(ST = q_0) AND(R = 0) THEN(ST = q_1, W = 0, M = R) $\delta(q_0, 0) \rightarrow (q_1, 0, R)$
2) IF(ST = q_1) AND(R = 1) THEN(ST = q_2, W = 1, M = R) $\delta(q_1, 1) \rightarrow (q_2, 1, R)$
3) IF(ST = q_2) AND(R = 1) THEN(ST = q_3, W = 1, M = R) $\delta(q_2, 1) \rightarrow (q_3, 1, R)$
4) IF(ST = q_3) AND(R = #) THEN(ST = q_{ano}, W = #, M = R) $\delta(q_3, \#) \rightarrow (q_{ano}, \#, R)$

Pravidla = „Řídící jednotka“

$Vstup$: $\emptyset$
$Výstup$: 111



$\delta(q_0, \#) \rightarrow (q_1, 1, \mathrm{R})$

$\delta(q_1, \#) \rightarrow (q_2, 1, R)$

$\delta(q_2, \#) \rightarrow (q_3, 1, R)$

$\delta(q_3, \#) \rightarrow (q_{ano}, \#, R)$