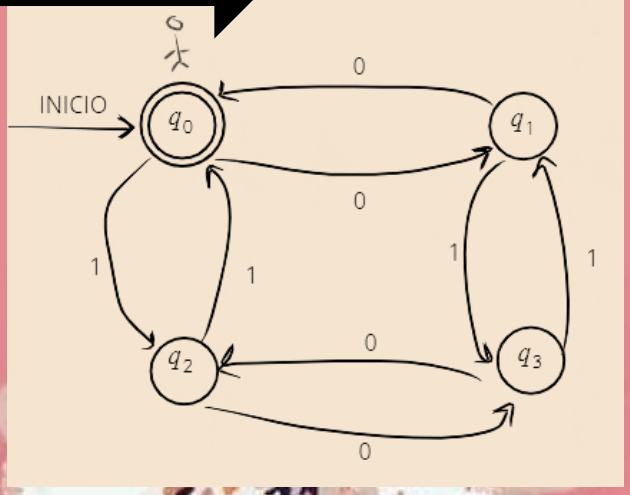
Bocanegra Heziquio Yestlanezi

Autómata



$Q = \{q_0, q_1, q_2, q_3\}$
$\Sigma = \{0, 1\}$
$q_0 = q_0$
$F = \{q_0\}$

Estado Actual	0	1
q0	q_1	q_2
q1	q_0	q_3
q2	q_3	q_0
q3	q_2	q_1

Para 1110001

$\delta(q_0, \varepsilon) = q_0$
$\delta(q_0, 1) = \delta(\delta(q_0, \varepsilon), 1) = \delta(q_0, 1) = q_2$
$\delta(q_0, 11) = \delta(\delta(q_0, 1), 1) = \delta(q_2, 1) = q_0$
$\delta(q_0, 111) = \delta(\delta(q_0, 11), 1) = \delta(q_0, 1) = q_2$
$\delta(q_0, 1110) = \delta(\delta(q_0, 111), 0) = \delta(q_2, 0) = q_3$
$\delta(q_0, 11100) = \delta(\delta(q_0, 1110), 0) = \delta(q_3, 0) = q_2$
$\delta(q_0, 111000) = \delta(\delta(q_0, 11100), 0) = \delta(q_2, 0) = q_3$
$\delta(q_0, 1110001) = \delta(\delta(q_0, 111000), 1) = \delta(q_3, 1) = q_1$

Para 10110001

$\delta(q_0, \varepsilon) = q_0$
$\delta(q_0, 1) = \delta(\delta(q_0, \varepsilon), 1) = \delta(q_0, 1) = q_2$
$\delta(q_0, 10) = \delta(\delta(q_0, 1), 0) = \delta(q_2, 0) = q_3$
$\delta(q_0, 101) = \delta(\delta(q_0, 10), 1) = \delta(q_3, 1) = q_1$
$\delta(q_0, 1011) = \delta(\delta(q_0, 101), 1) = \delta(q_1, 1) = q_3$
$\delta(q_0, 10110) = \delta(\delta(q_0, 1011), 0) = \delta(q_3, 0) = q_2$
$\delta(q_0, 101100) = \delta(\delta(q_0, 10110), 0) = \delta(q_2, 0) = q_3$
$\delta(q_0, 1011000) = \delta(\delta(q_0, 101100), 0) = \delta(q_3, 0) = q_2$
$\delta(q_0, 10110001) = \delta(\delta(q_0, 1011000), 1) = \delta(q_2, 1) = q_0$