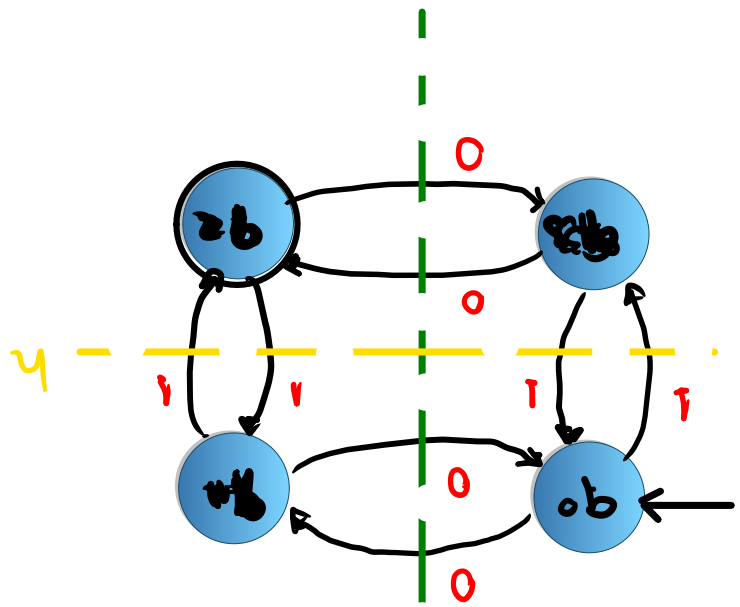
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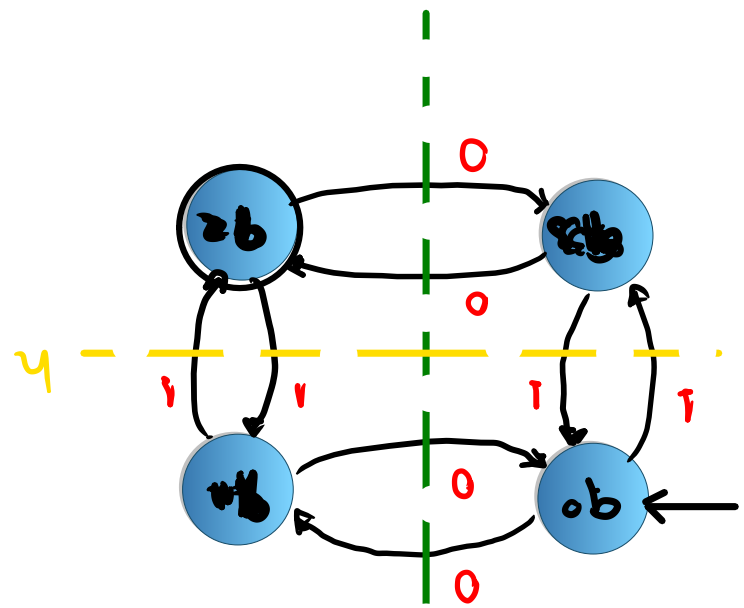
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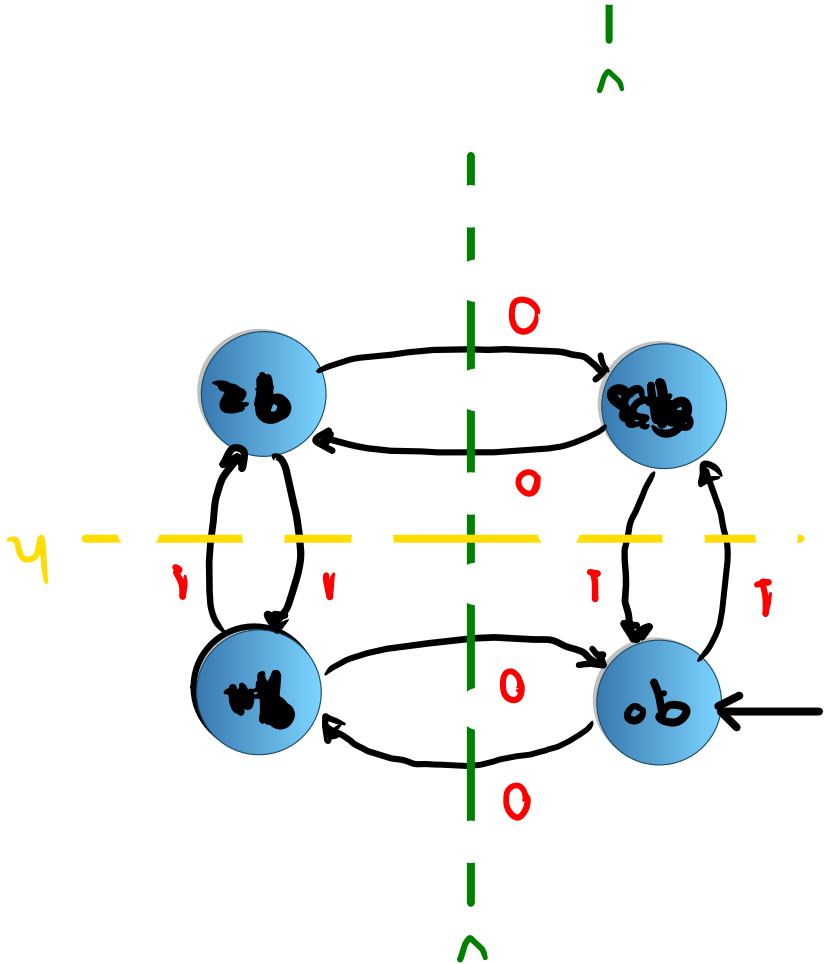
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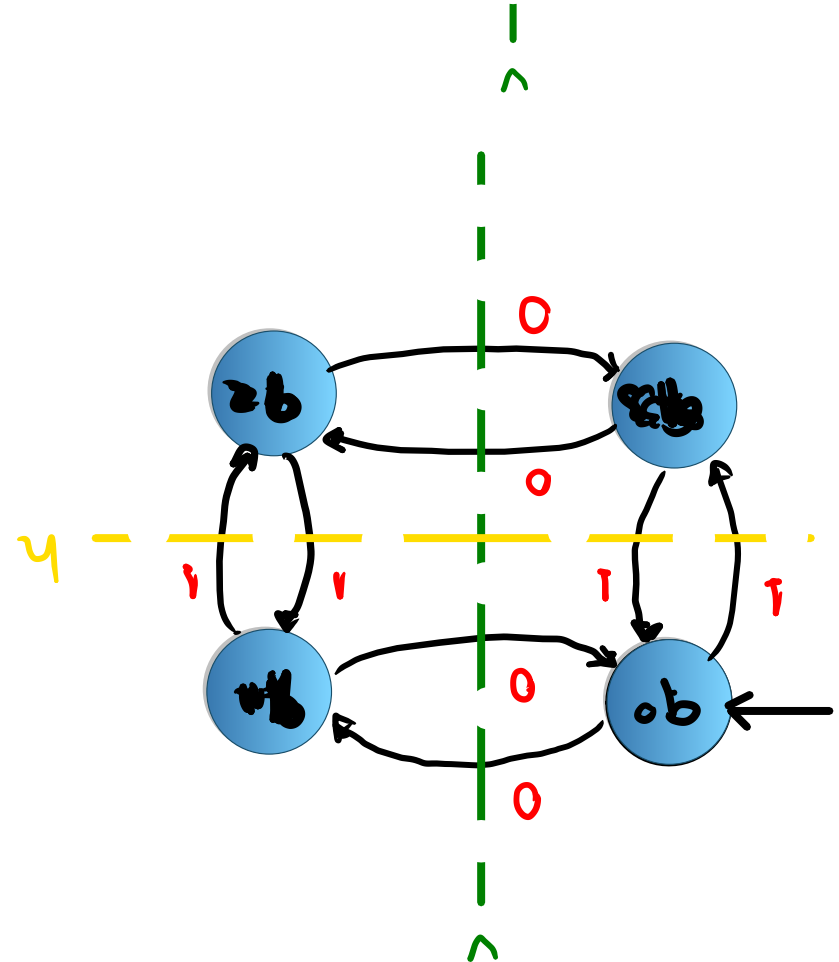
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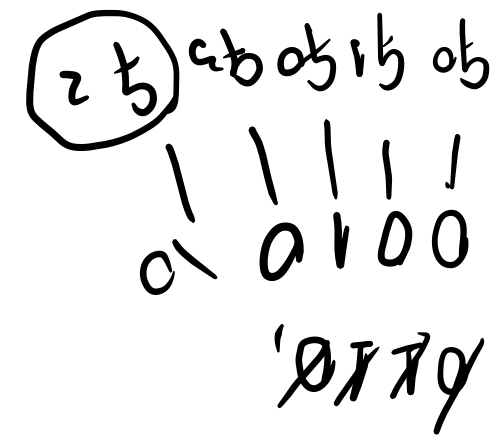
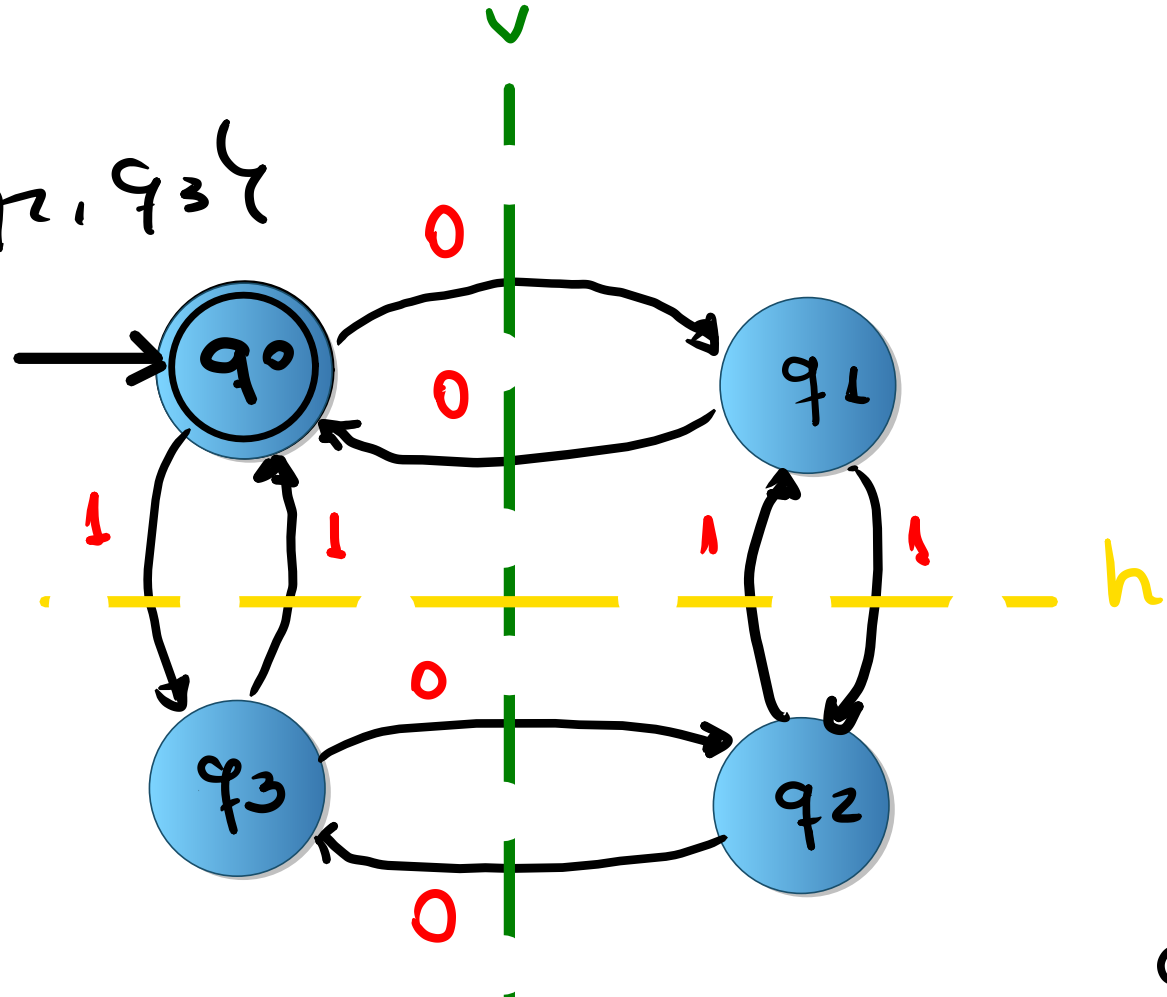

0
0
1
0
1
0
0

$\Sigma = \{0, 1\}$

$Q = \{q_0, q_1, q_2, q_3\}$

$F = \{q_0\}$

$q_0 = q_0$



M

$0101 \in L(M)$

$01110 \notin L(M)$

$q_0 0101 \vdash 0q_1 101$

$\vdash 01q_2 01 \vdash 010q_3 1 \vdash$

$0101 q_0$

$q_0 01110 \vdash 0q_1 1110 \vdash$

$01q_2 110 \vdash 011q_3 10 \vdash$

$0111q_2 0 \vdash 0110q_3$

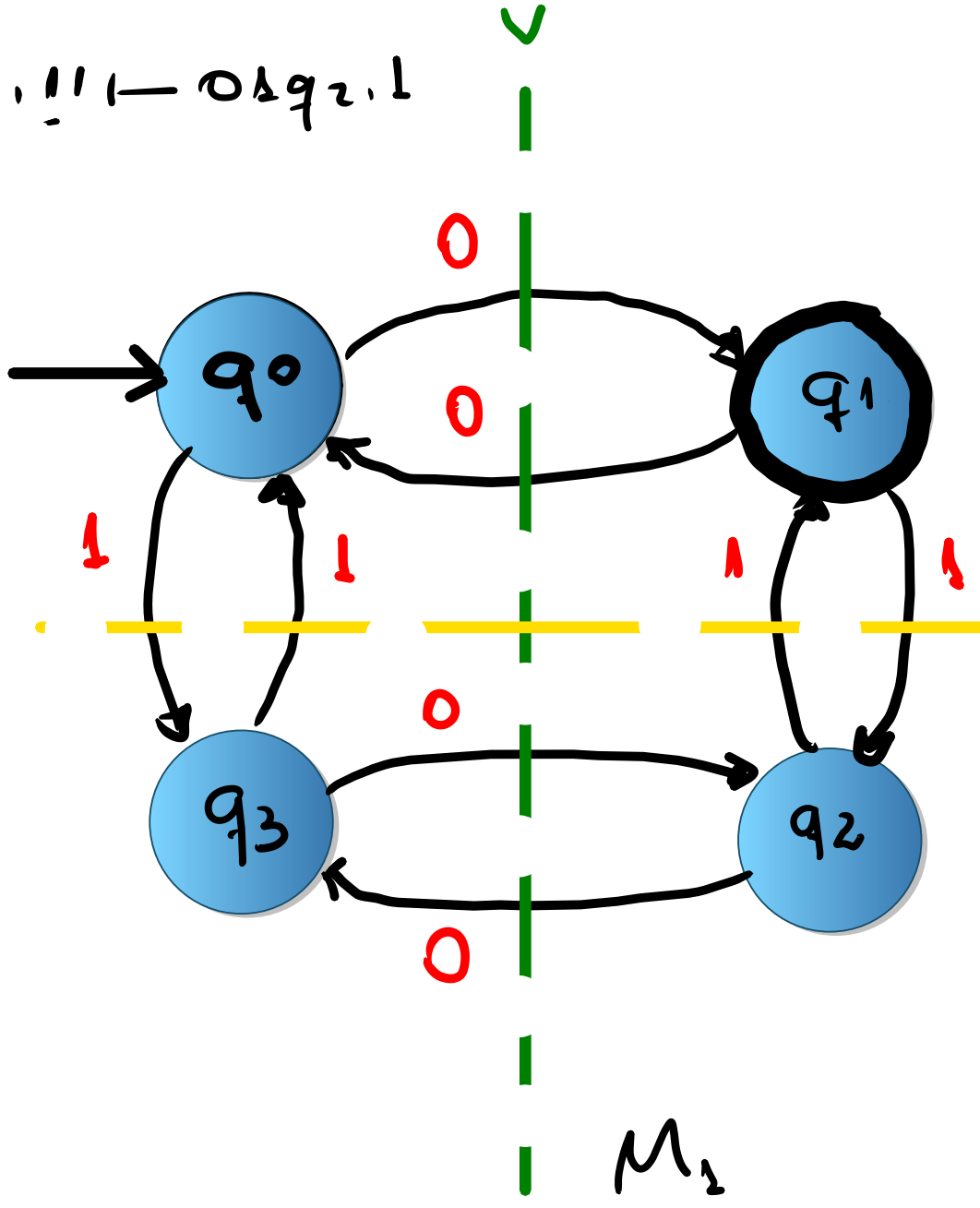
$L(M)$ é toda palavra do alfabeto $\{0, 1\}$ que tenha um nº par de zeros e par de 1's

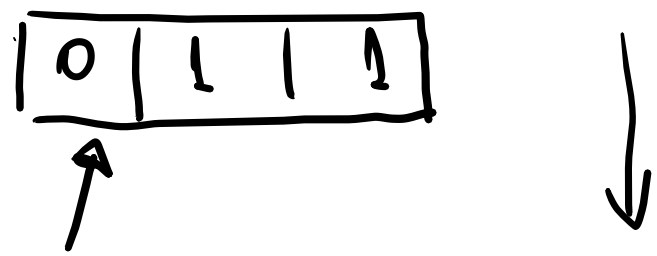
$q_0, 0111 \vdash 0q_1, 111 \vdash 01q_2, 1$

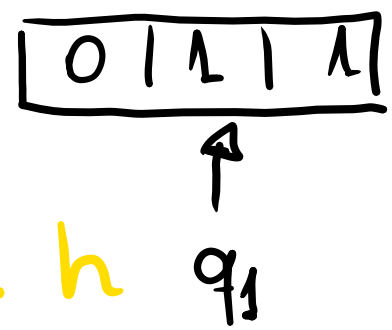
$\vdash 011q_1$

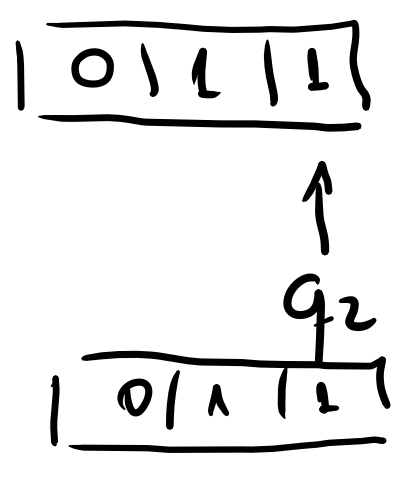
$q_0, 011 \vdash q_1, 11$

$\vdash q_2, 1 \vdash q_1$



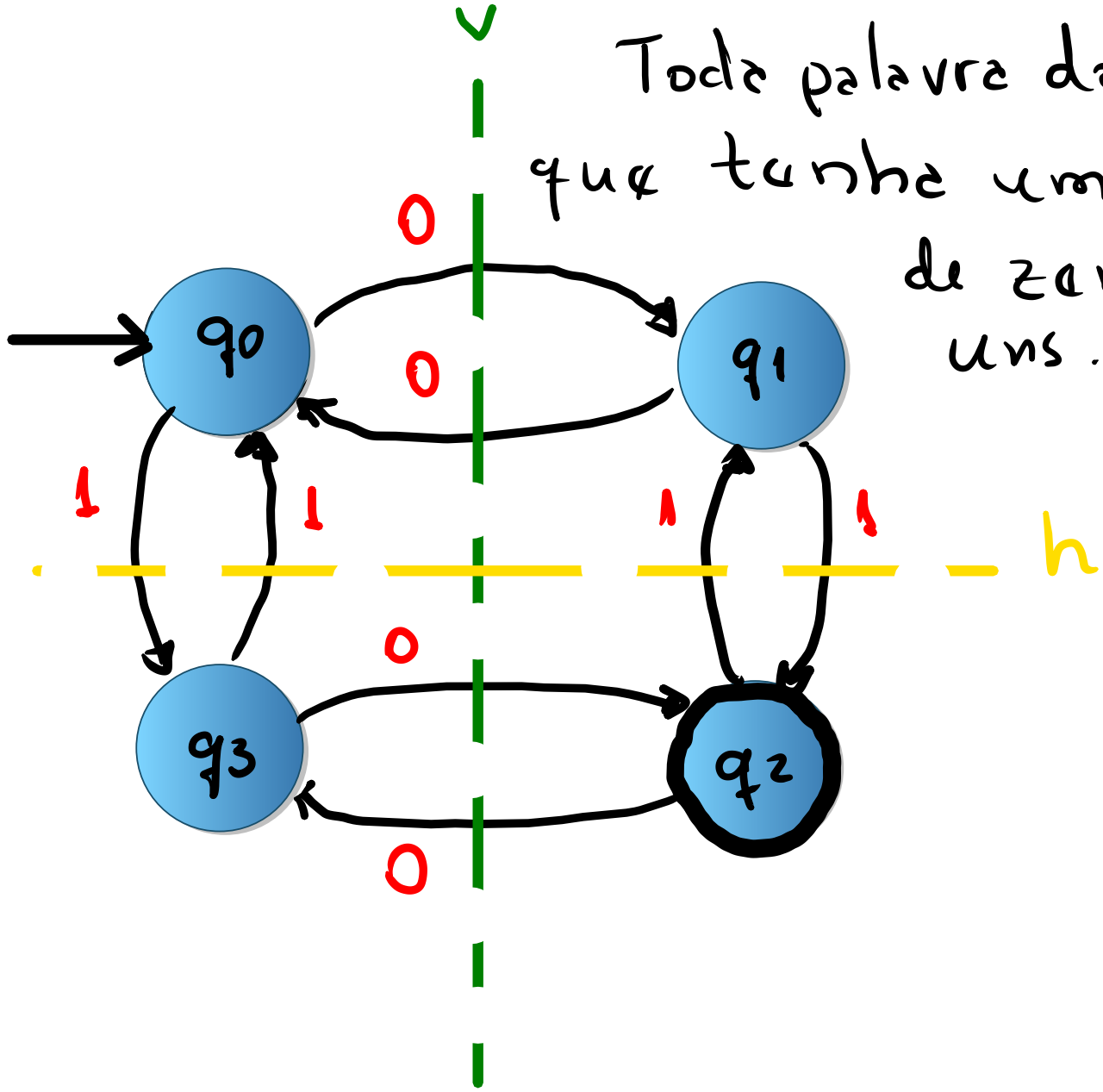


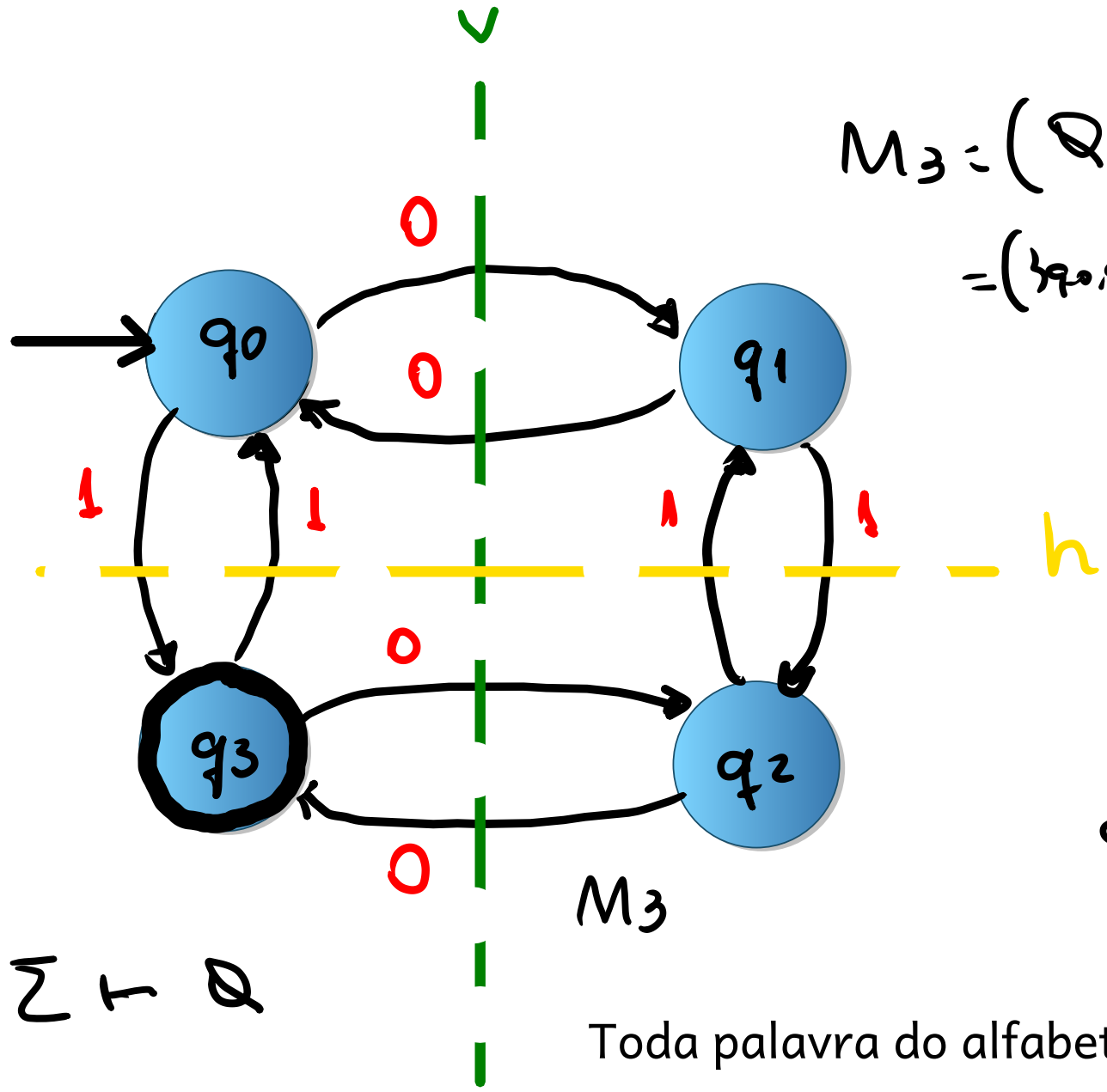




Toda palavra do alfabeto $\{0,1\}$ que tenha um número ímpar de zeros e par de uns.

Toda palavra do alfabeto $\{0,1\}$ que tenha um número ímpar de zeros e ímpar de uns.





$M_3 = (Q, \Sigma, \delta, q_0, F)$

$= (\{q_0, q_1, q_2, q_3\}, \{0,1\},$

	0	1
→ q_0	q_1	q_3
q_1	q_0	q_2
q_2	q_3	q_1
(*) q_3	q_2	q_0 ,

$q_0, \{q_3\})$

$\{q_1, q_3\})$

$\delta : Q \times \Sigma \to Q$

$\delta(q_0, 0) = q_1 \quad \delta(q_0, 1) = q_3, \ldots$

Toda palavra do alfabeto {0,1} que tenha um número par de 0's e ímpar de 1's.