$$\mathcal{L} = \{ w : w \in \{a,b\}^* \wedge w = w^r \}$$

$$A = \langle \{q_0, q_1, q_2\}, \{a,b\}, \{A, B, Z_0\}, \delta, q_0, Z_0, \{q_2\} \rangle$$

$a, Z_0 / AZ_0$

$a, A / AA$

$a, B / AB$

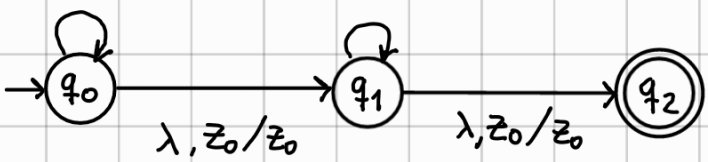
$b, Z_0 / BZ_0$

$b, B / BB$

$b, A / BA$

$a, A / \lambda$

$b, B / \lambda$



$\lambda, Z_0 / Z_0$

$\lambda, A / A$

$\lambda, B / B$

$a, A / A$

$a, B / B$

$a, Z_0 / Z_0$

$b, A / A$

$b, B / B$

$b, Z_0 / Z_0$

Para los palíndromos de longitud impar descartamos el símbolo central.