TAREA 4.5 GUILLERMO GODOY

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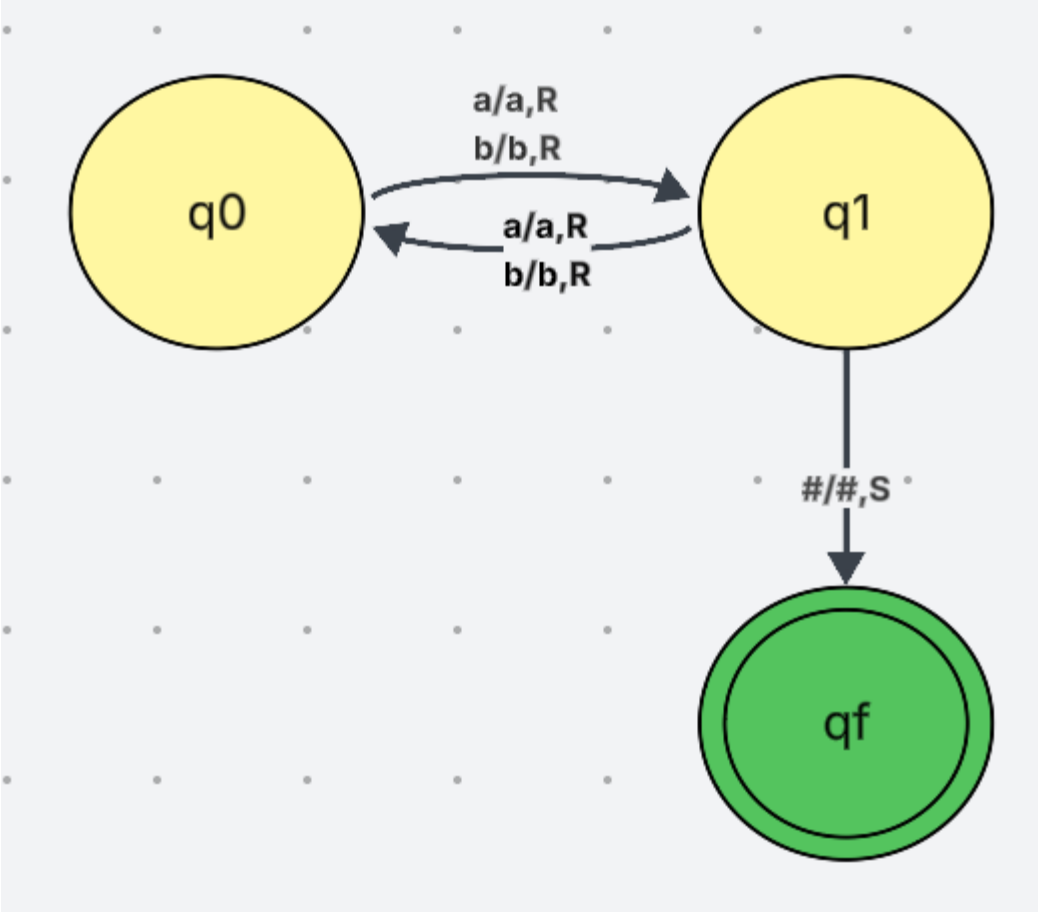
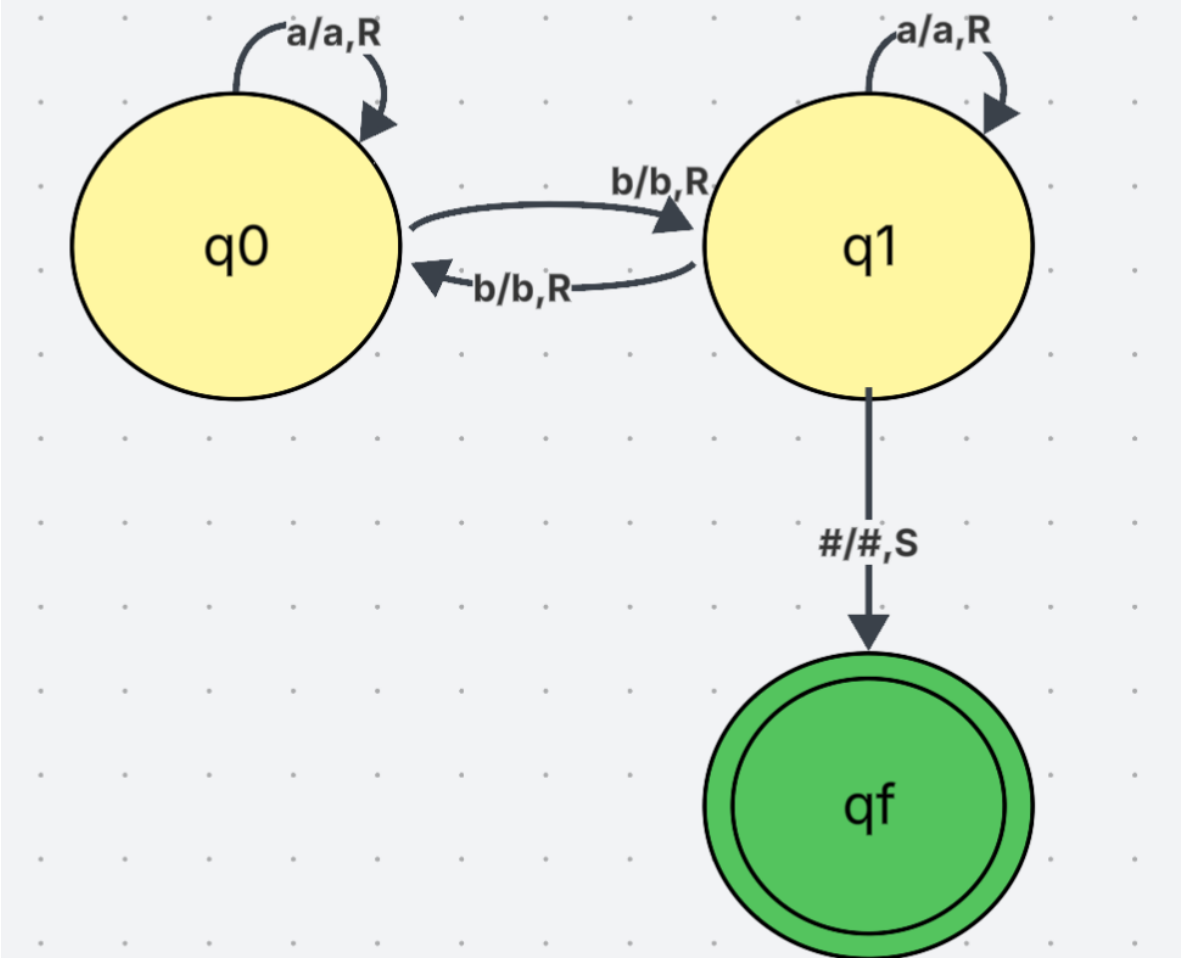
[NOMBRE DE LA EMPRESA] [Dirección de la compañía]

1. Diseñe una Máquina de Turing que acepte las cadenas pertenecientes a cada uno de los siguientes lenguajes:

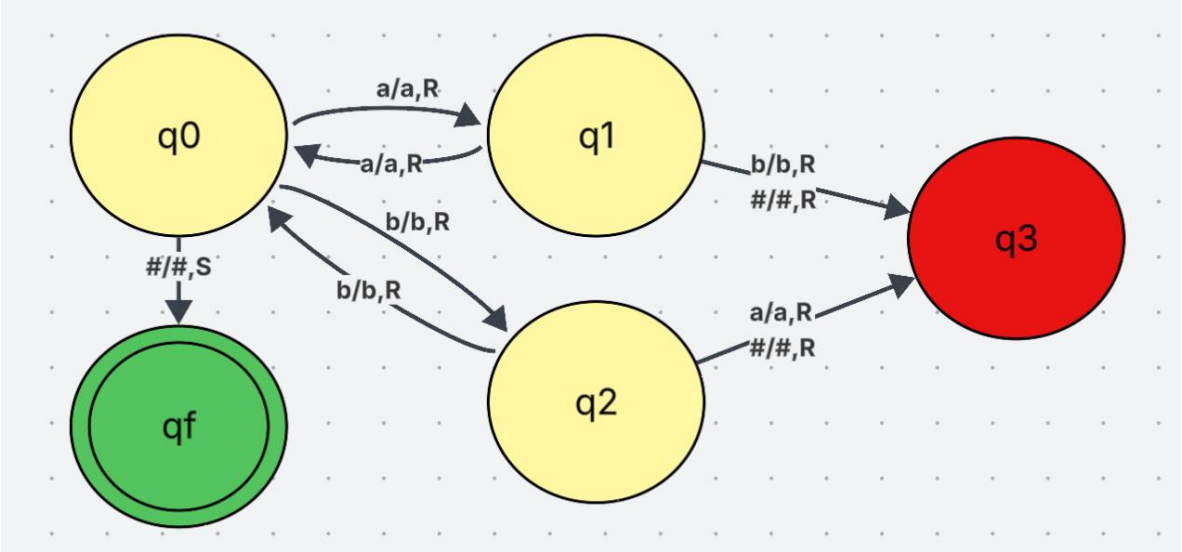
a) L = {w ∈ {a, b}* | w es una cadena de longitud impar



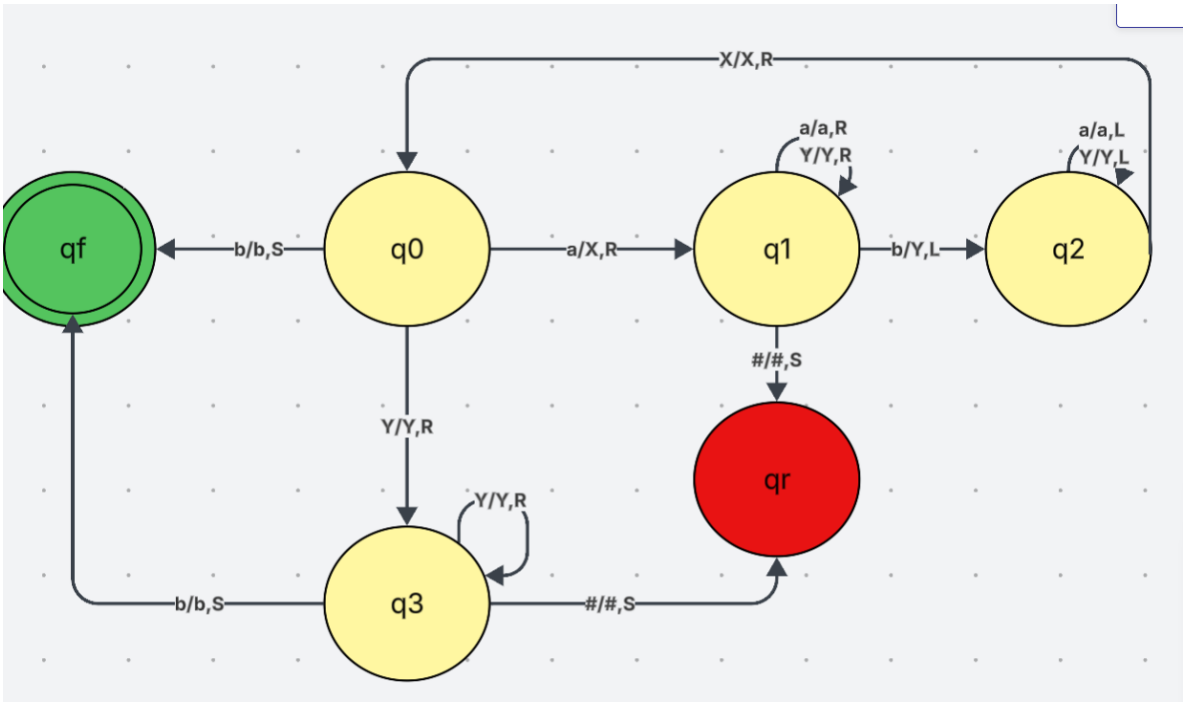
b) L = {w ∈ {a, b}* | w es una cadena que contiene una cantidad par de bes



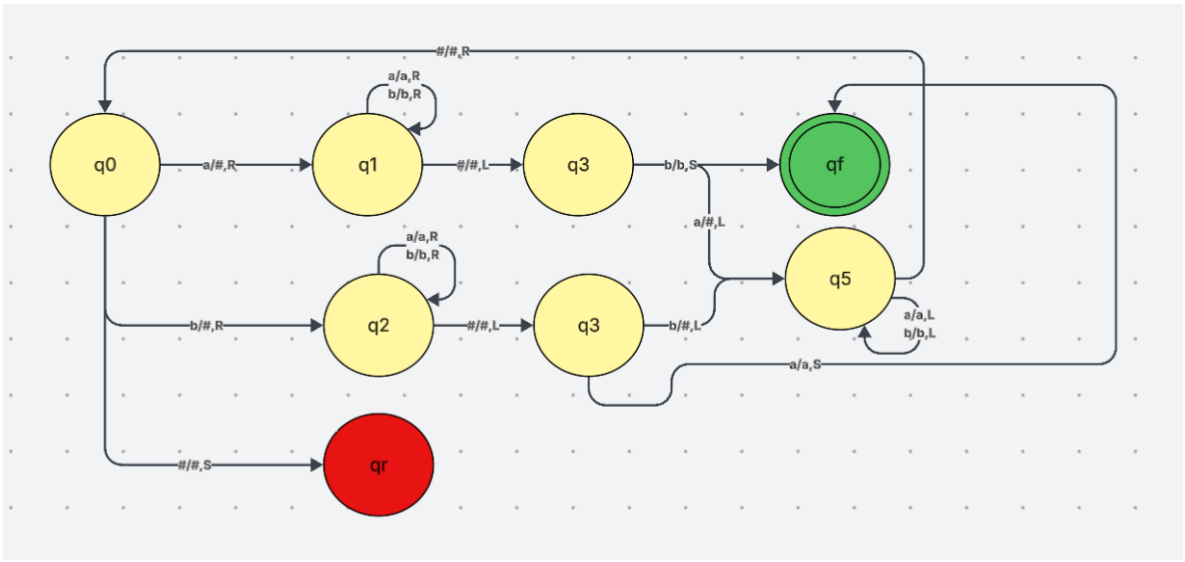
c) L = (aa ∪ bb)*



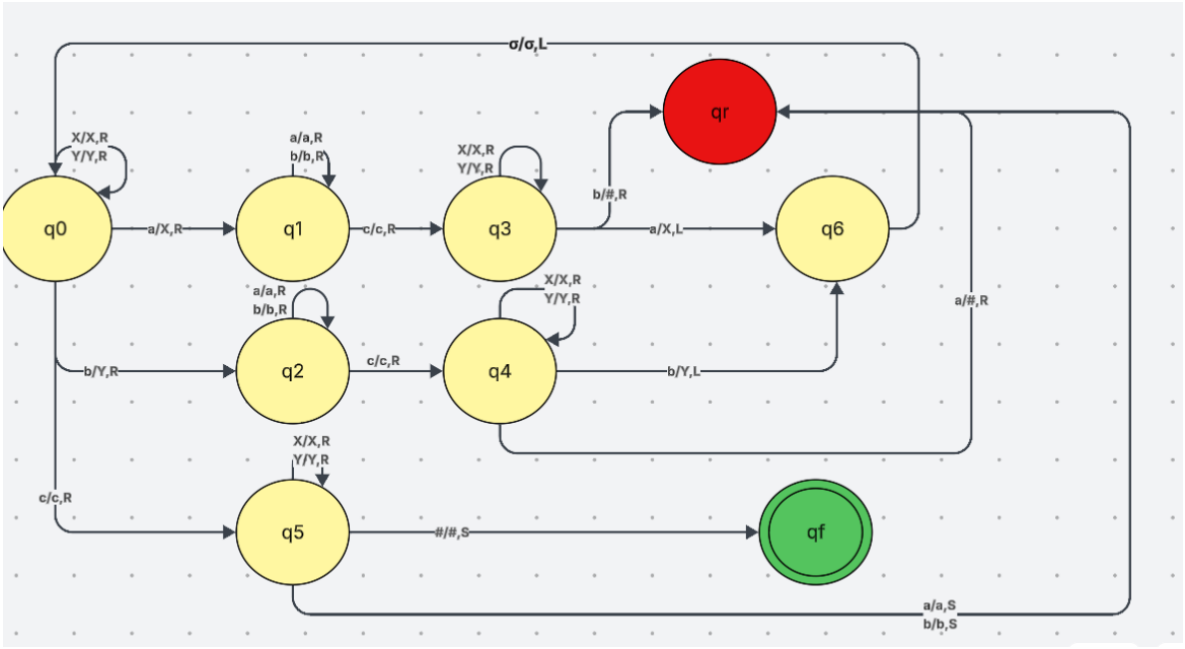
d) L = { anbm | m > n ? 0 }



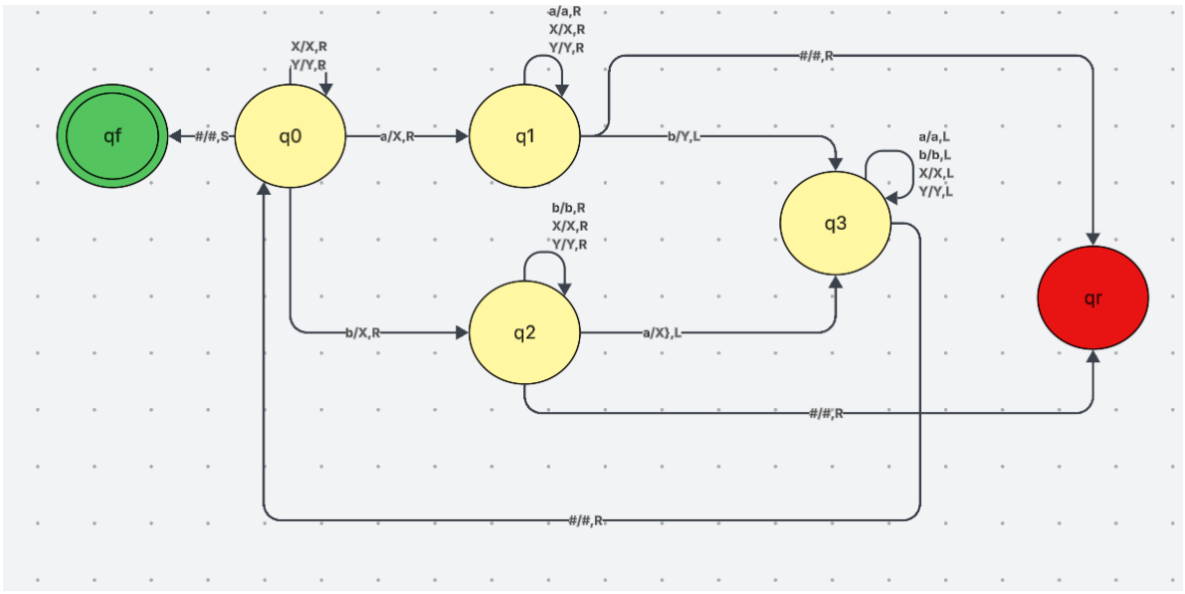
e) L = {w ? {a, b}* |w ? wR }



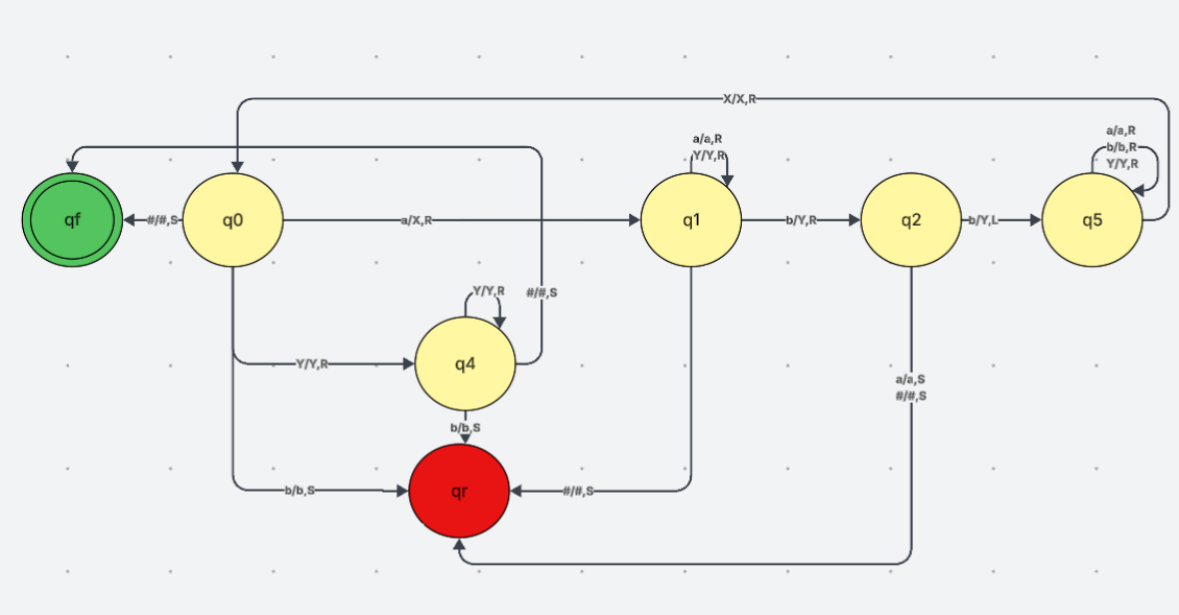
f) L = {wcw |w ∈ {a, b}* }



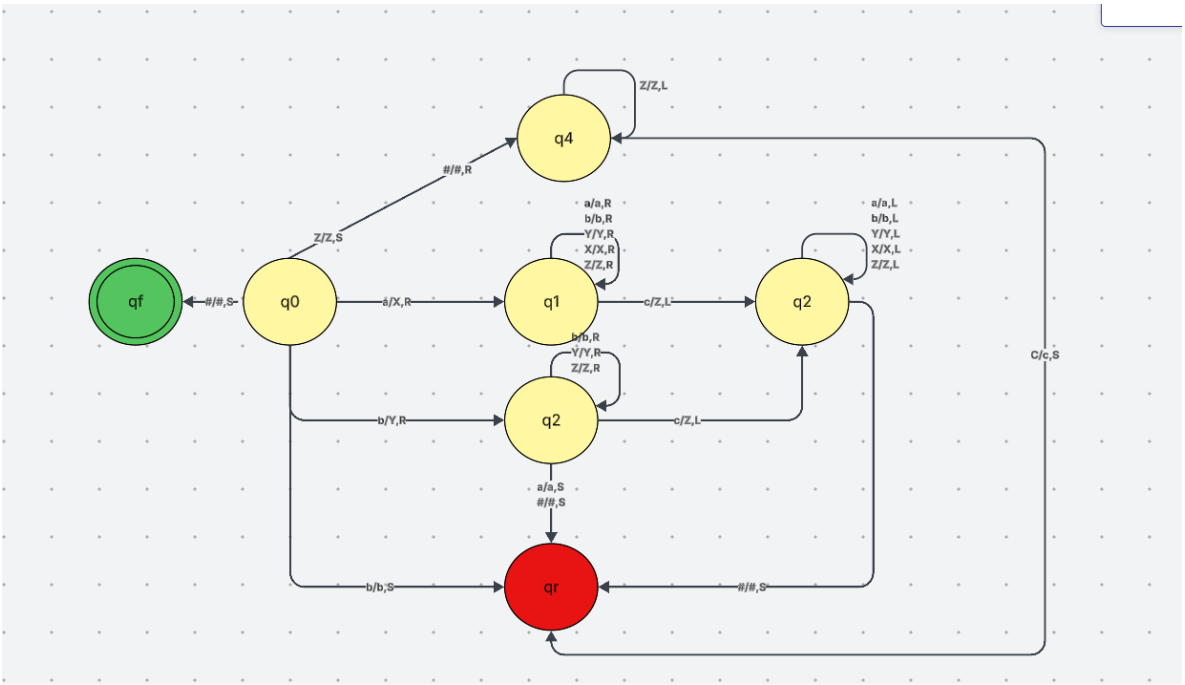
g) L = {w ∈ {a, b}* | Na(w) = Nb(w) }



h) L = { anb2n | n ? 0 }



i) L = { ambncp | p = m + n }



j) L = { ambncp | m > n + p }