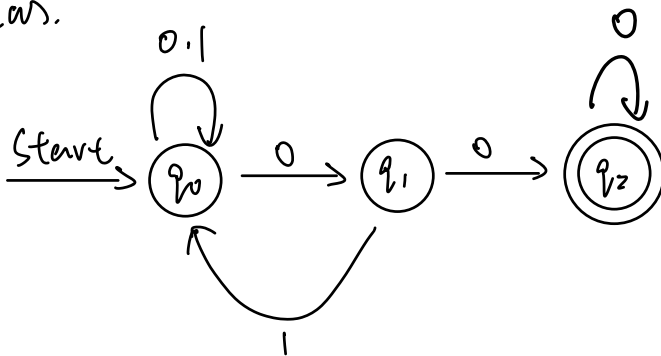
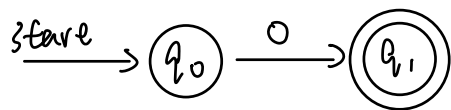


c1)

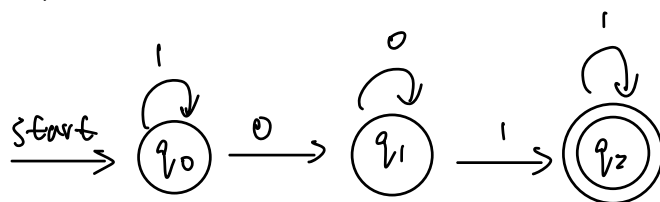
ans.



c6).



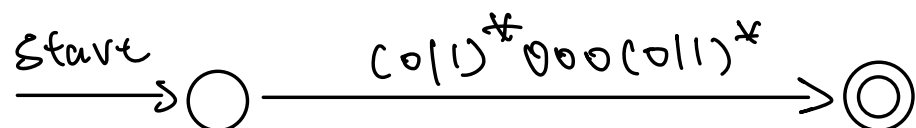
c6)



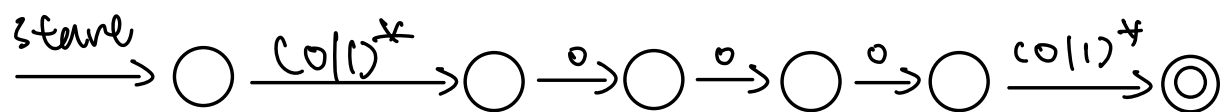
(2)

(a)

Step 1:

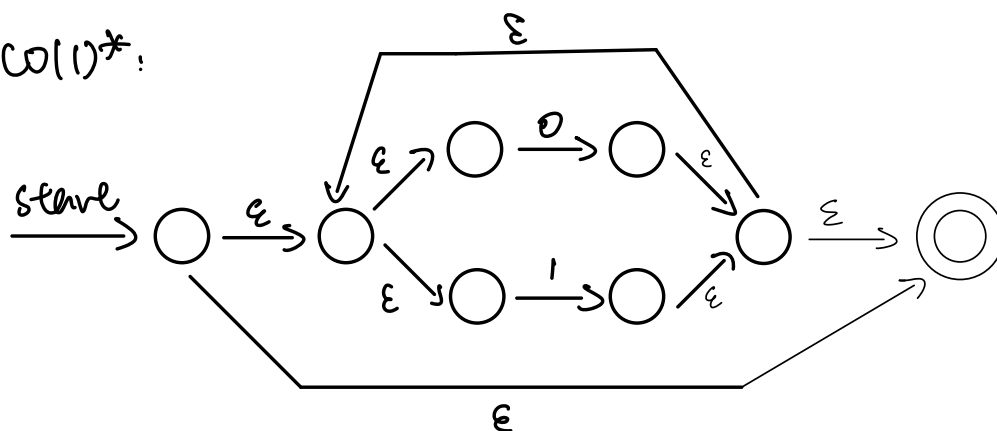


Step 2:

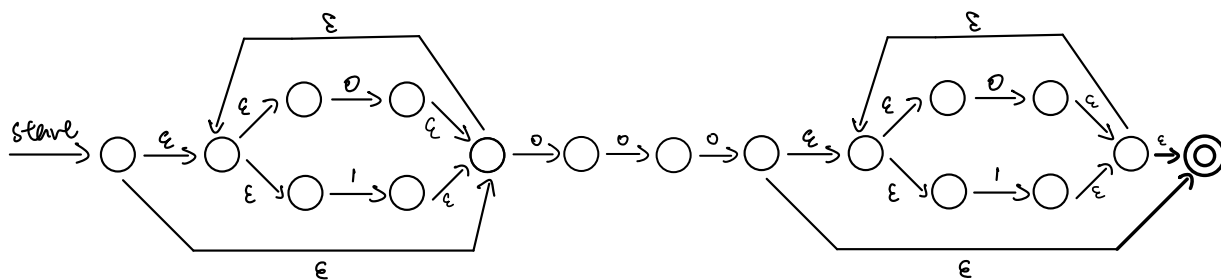


Step 3:

$(0|1)^*$:

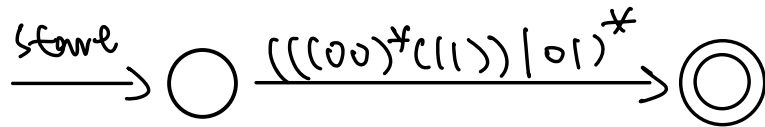


Step 4:

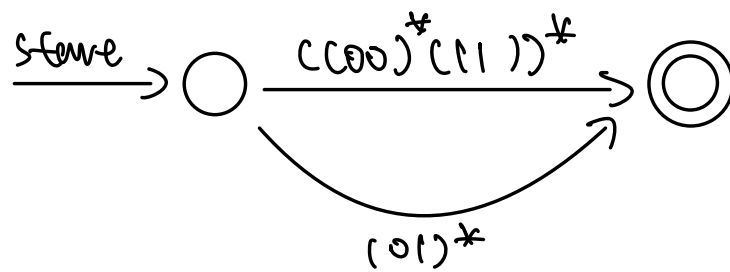


c6)

step 1:

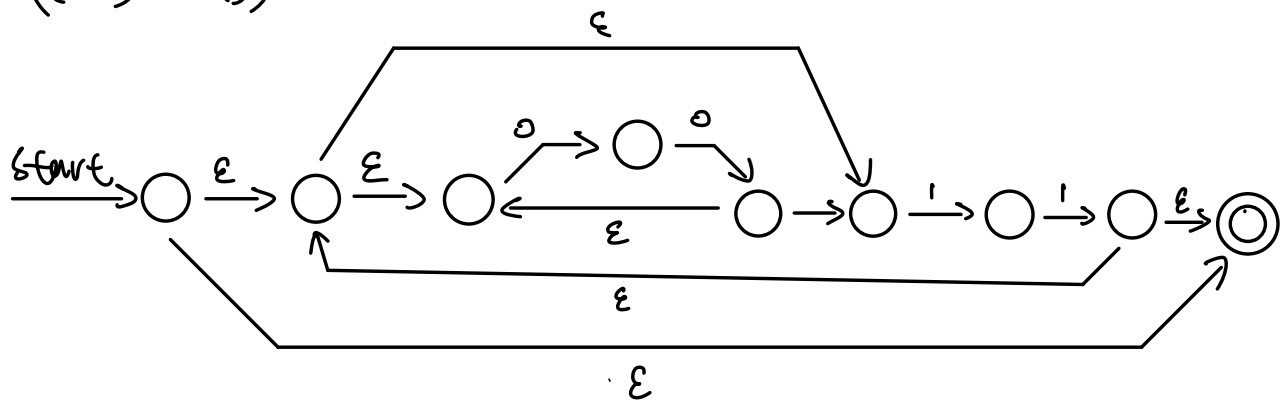


step 2:

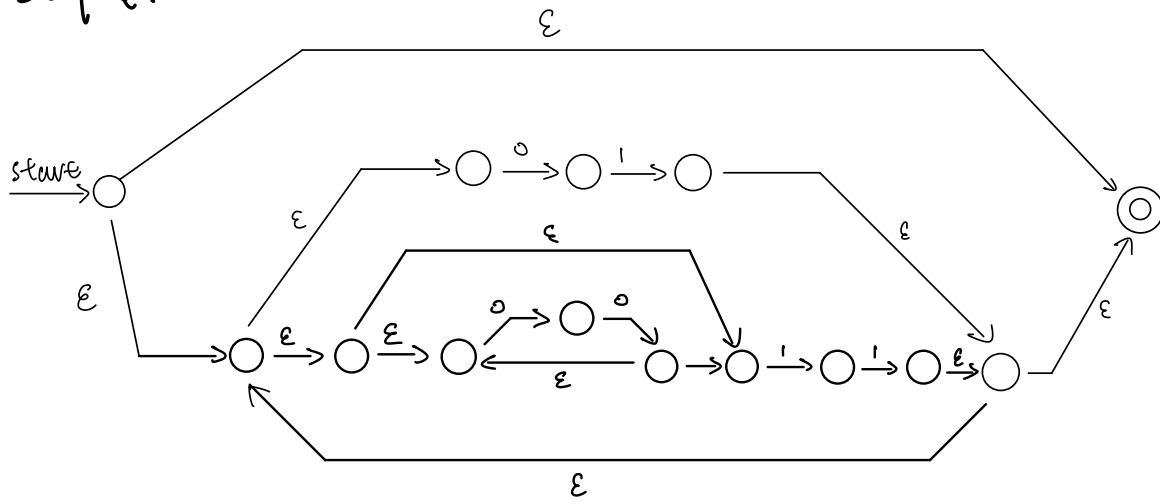


step 3:

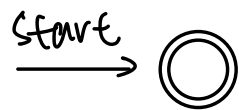
$((00)^*(11))^*$:



step 4:



c c)

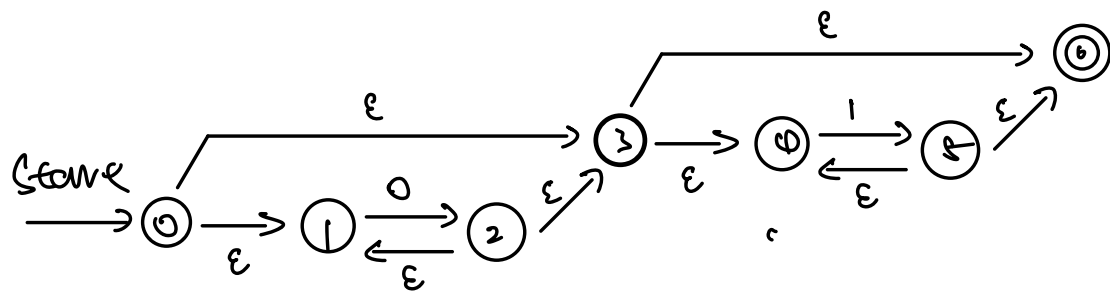


c3)

Regular Expression:

$$L = \{w \mid (0^*1^*)^l\}$$

NFA:



DFA:

