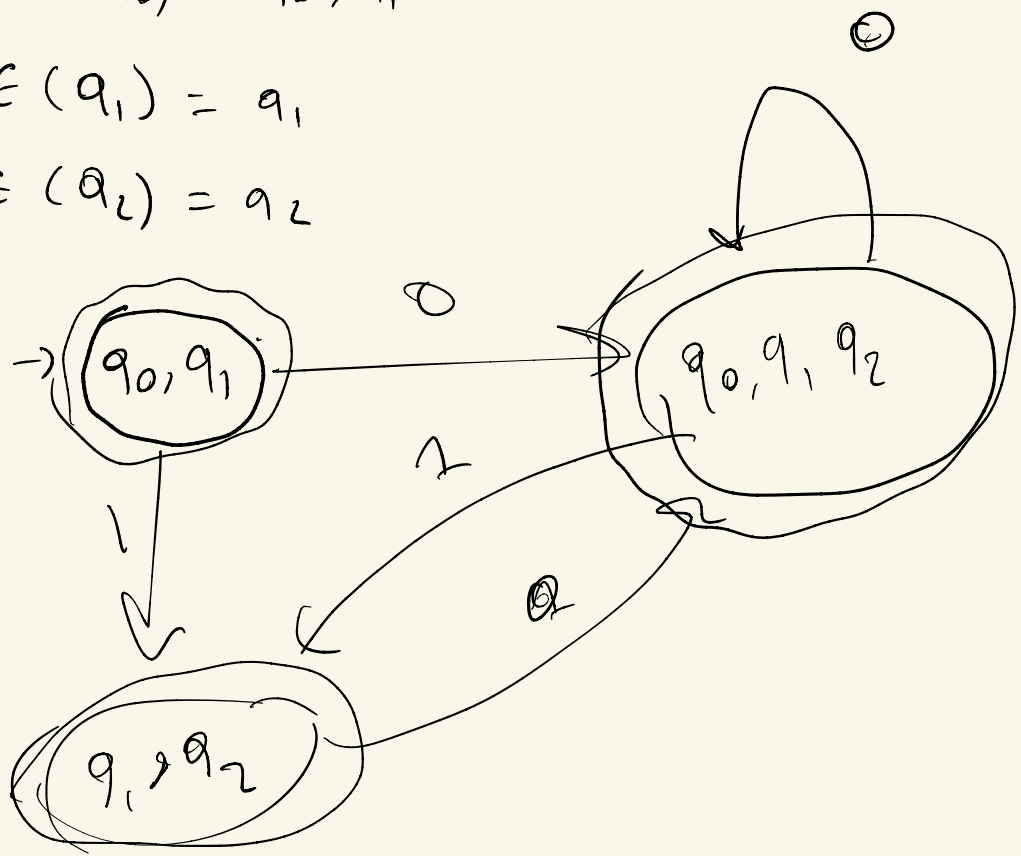


# HW 2

1)  $\epsilon(q_0) = q_0, q_1$

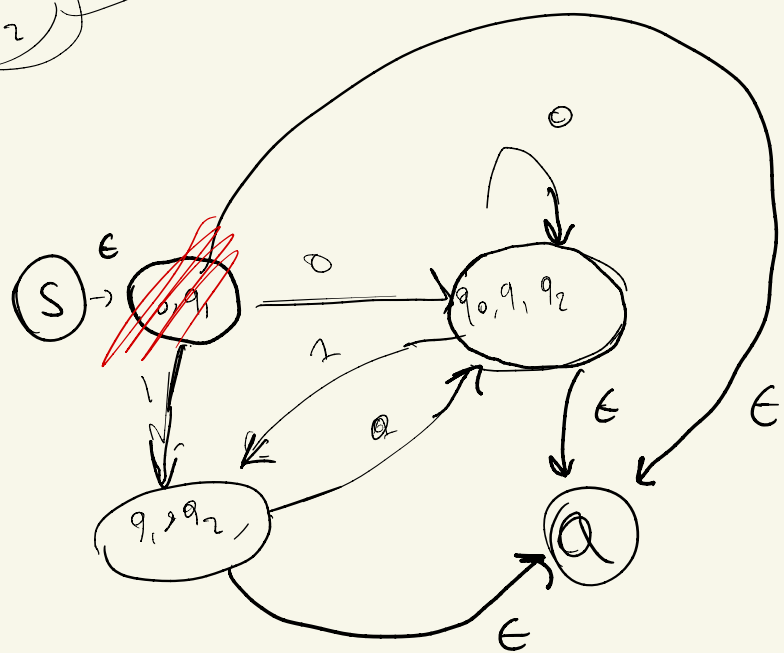
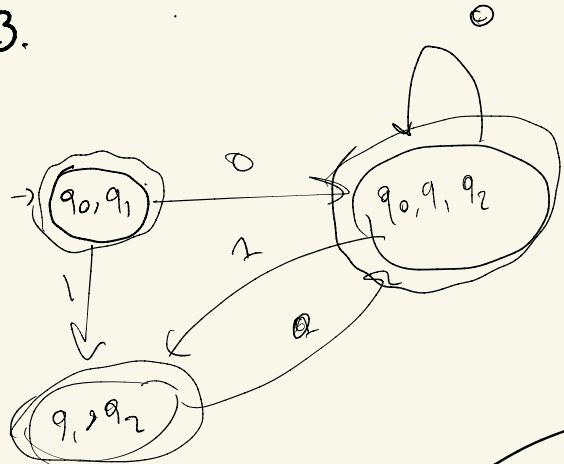
$\epsilon(q_1) = q_1$

$\epsilon(q_2) = q_2$



2.  $((\epsilon + 0)(1+10)^*) + ((1+01)^*(00)(1+10)^*)$

3.



$$((\epsilon + 0)(1 + (01)0^*1)^*0)^*(\epsilon + 0)(1 + (01)0^*1)^*$$