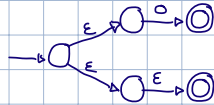
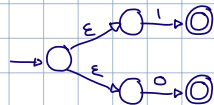


Question 5

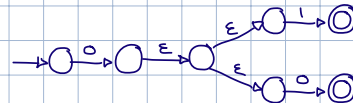
(atomic)

Step 1: $M_1: \rightarrow \bigcirc \xrightarrow{0} \bigcirc$ $M_2: \rightarrow \bigcirc \xrightarrow{1} \bigcirc$

(union)

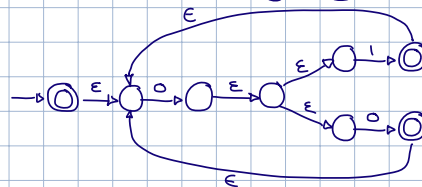
Step 2: $M_3: (0 \cup 1)$  $M_4: (1 \cup 0)$ 

(concat)

Step 3: $M_5: (0(1 \cup 0))$ 

(*)

Step 4:

 $M_6: (0(1 \cup 0))^*$ 

Step 5:

 $M_7: (0(1 \cup 0))^*(0 \cup 1)$ 