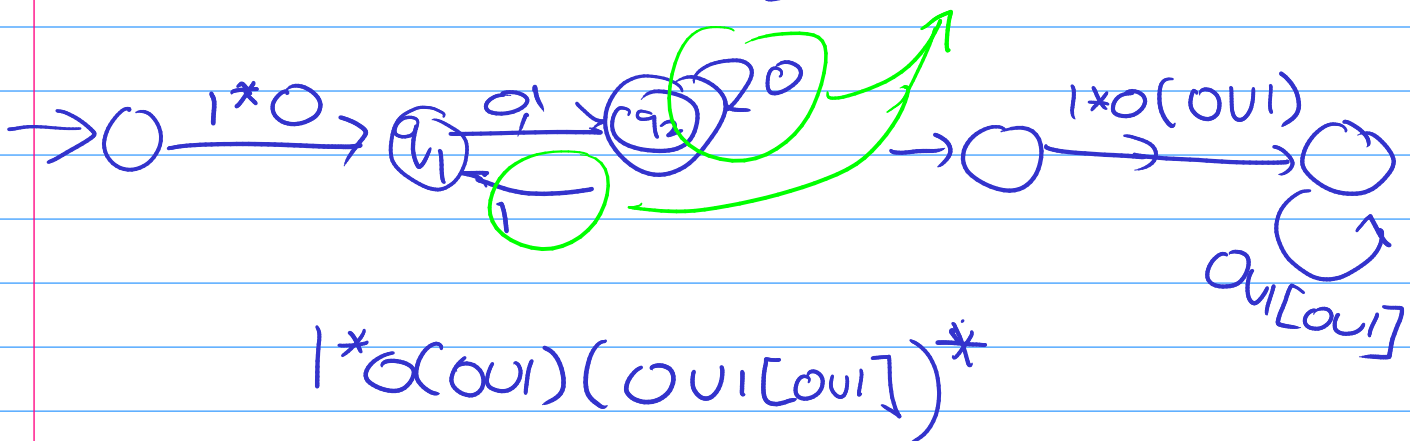
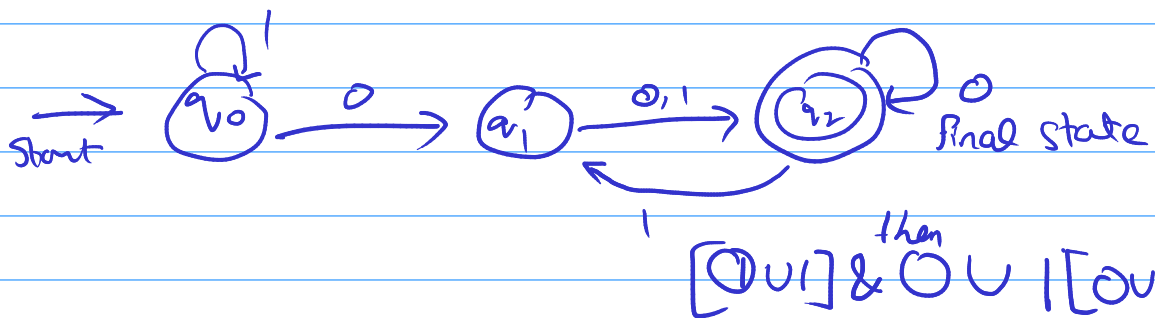
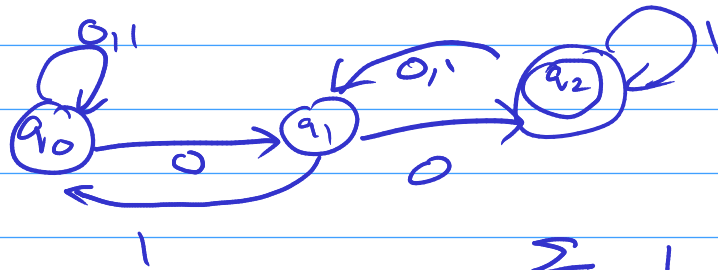


S		
q <sub>1</sub>	e	q <sub>2</sub>
q <sub>1</sub>	a	q <sub>3</sub>
q <sub>3</sub>	a	q <sub>2</sub>
q <sub>3</sub>	b	(q <sub>2</sub> , q <sub>3</sub> )

$L = \{01, 1, 100\}$

1, 01, 01, 100, 1, 1, 01  
 01, 1, 1, 1, 100, 100, 01, 1





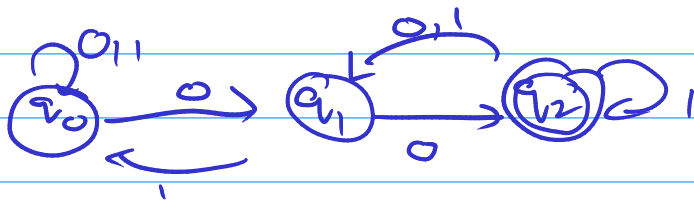
$\Sigma$  L RL FA

$$\bar{L} = \Sigma - L(M)$$

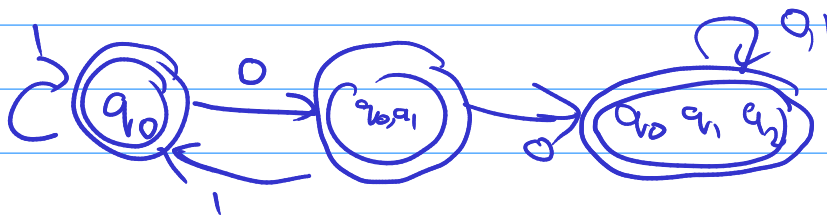
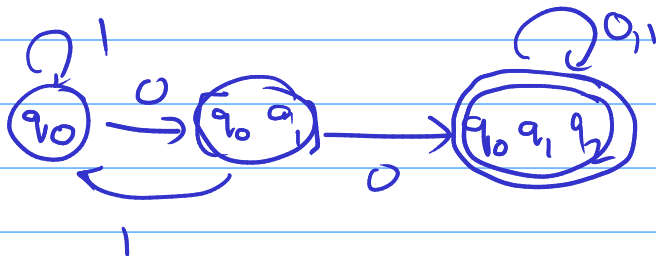
Convert NFA to DFA



$q_0$	0	$q_1 \cup q_0$	$q_0 \cup q_1 \cup q_0$
$q_0$	1	$q_0$	$q_1 \cup q_0$
$q_1$	0	$q_0$	
$q_1$	1	$q_2$	
$q_2$	0	$q_1$	
$q_2$	1	$q_1 \cup q_2$	



	0	1
$q_0$	$[q_0, q_1]$	$q_0$
$q_1$	$q_2$	$q_0$
$q_2$	$q_1$	$[q_1, q_2]$
$q_0 q_1$	$q_0 q_1 q_2$	$q_0$
$q_1 q_2$	$[q_1, q_2, q_0]$	$[q_0, q_1, q_2]$



empty states  
hook