

Problem 3 :  $\rightarrow$  NFA  $\rightarrow$  DFA.

<u>q</u>	0	1	$\epsilon^*$
$\rightarrow 0$	-	1, 2	0, 3
1	0, 3	-	1
2	-	-	2, 3
(3)	-	-	1, 3

	$0\epsilon^*$	$1\epsilon^*$
$\rightarrow 0$	-	1, 2, 3
(1, 2, 3)	0, 3, 1	1, 2, 3
(0, 1, 3)	0, 3, 1	1, 2, 3

