

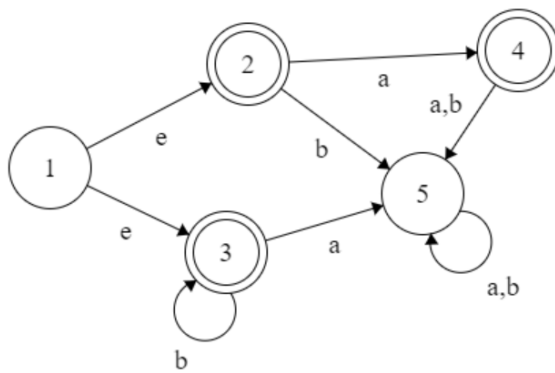
NFA to DFA

2.13

RE $a|b^*$:

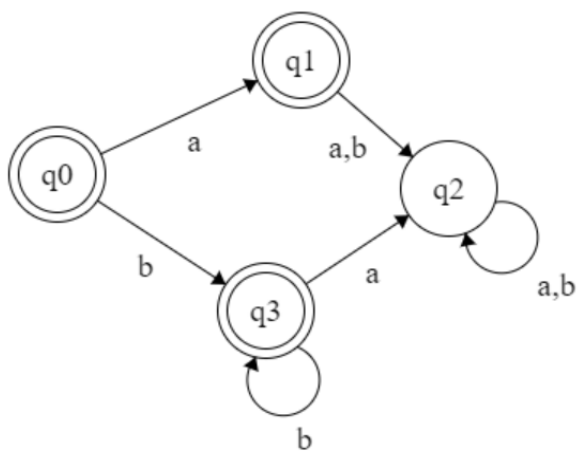
NFA:

	a	b	e
1	{}	{}	2,3
<u>2</u>	4	5	{}
<u>3</u>	5	3	{}
4	5	5	{}
5	5	5	{}



DFA:

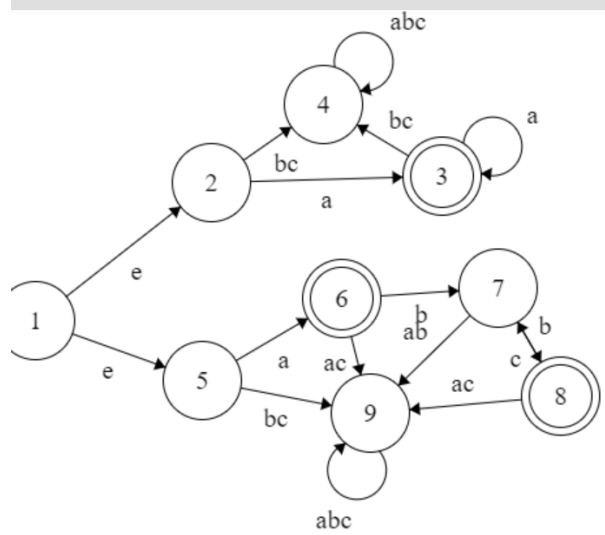
	a	b
<u>q0</u>	q1	q3
<u>q1</u>	q2	q2
q2	q2	q2
<u>q3</u>	q2	q3



Problem 2.14:

NFA:

	a	b	c	e
1	{}	{}	{}	{2,5}
2	3	4	4	{}
<u>3</u>	3	4	4	{}
4	4	4	4	{}
5	6	9	9	{}
<u>6</u>	9	7	9	{}
7	9	9	8	{}
<u>8</u>	9	7	9	{}
9	9	9	9	{}



DFA:

	a	b	c
q0	q1	q2	q2
<u>q1</u>	q3	q4	q2
q2	q2	q2	q2
<u>q3</u>	q3	q2	q2
q4	q2	q2	q5
<u>q5</u>	q2	q4	q2

