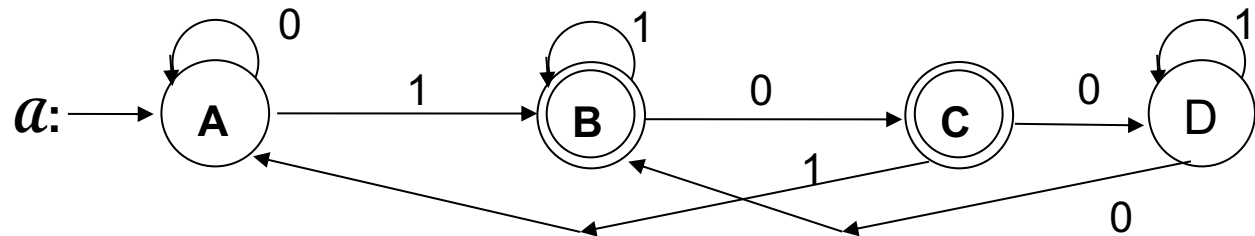# Sample Assignment # 4.1

1.   Convert the DFA below to a regular expression, first by using either the GNFA (or state ripping) or the R_{ij}^k approach, and then by using regular equations. You must show all steps in each part of this solution.

Sample Assignment # 4.2

2. Minimize the number of states in the following DFA, showing the determination of incompatible states (table on right).

	a	b	c
>1	2	3	5
2	5	4	4
3	2	4	5
4	5	4	2
5	5	2	4
6	5	4	2

2					
3					
4					
5					
6					
	>1	**2**	**3**	**4**	**5**