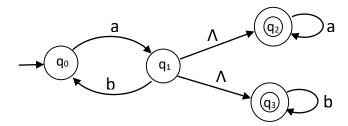
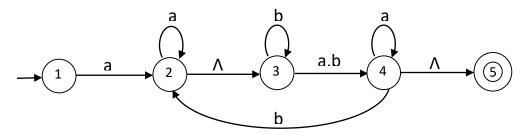
Tutorial No. 6

Non-deterministic Finite Automata with Λ Transitions

- 1. Define null closure of a set.
- 2. Define extended transition function for NFA- Λ .
- 3. For following NFA- Λ :



- i) Find $\delta^*(q_0,aa)$, $\delta^*(q_0,ab)$
- ii) Convert above NFA-Λ to DFA.
- 4. For following NFA-Λ:



- i) State whether the above NFA- Λ accepts following string or not:
 - a) aba b)abab
- ii) Convert above NFA- Λ to DFA.