

Tutorial 7

SCS 2212- Automata Theory

1) Construct a DFA & NFA whose language of accepted strings is $L(a^* b^*)$.

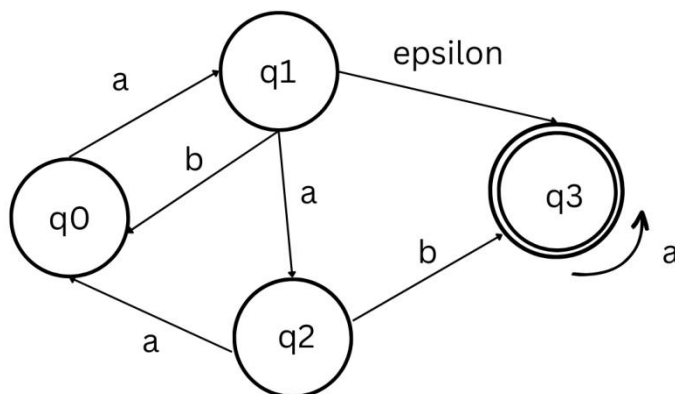
2) Construct NFAs to reflect the following :

- a) a
- b) b
- c) $a \mid b$
- d) $(a \mid b)^*$
- e) $(a \mid b)^* a$

3) Work through the steps in question 2 to construct an NFA M satisfying $L(M) = L((\epsilon \mid b)^* aab^*)$.

4) Convert the following NFAs to Regex

a)



b)

