

CS 302
QUIZ 2

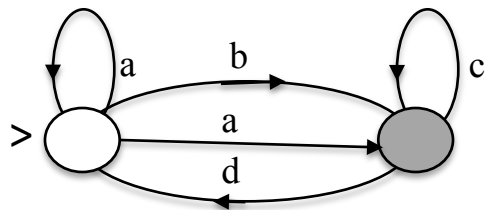
7 October, 2015

Duration : 15 minutes

Do not forget to write your name on your paper !

QUESTION

(a) (5 pts) Write down a regular expression for the language accepted by the following finite state automaton



(b) (5 pts) For $\Sigma = (a,b,c)$ sketch graphically an NFA that accepts all strings where the last symbol has not appeared before.

ANSWER : (a) $(a^*. (a+b). c^*. d)^*. a^*. (a+b). c^*$

(b)

