

CS 302

1 October, 2019

QUIZ 2

Duration : 15 minutes

Do not forget to write your name on your paper !

QUESTION

- (a)** (3pts) Given $L = (\omega \in \{a,b,c\}^* \mid \omega = (a+b)^*.c^*)$, construct an ε -NFA A with at most 2 states, that accepts the language L .
- (b)** (4pts) Construct an NFA (without ε -transitions) B that is equivalent to A in part **(a)**
- (c)** (3pts) Construct an DFA C that is equivalent to B in part **(b)**.