CS 302
QUIZ 2

20 February, 2020

Duration : 15 minutes

Do not forget to write your name on your paper !

QUESTION

Given the regular expression $E = (a.b^*.a)^*$.

(a) *(3 pts) Construct an equivalent ε-NFA **X** with no more than **3** states that accepts the language corresponding to **E**.*

(b) *(3 pts) State an NFA **Y** such that **L(Y)=L(X)***

(c) *(4 pts) State a DFA **Z** such that **L(Z) = L(X)**.*