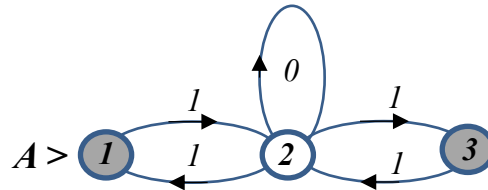


CS 302  
QUIZ 4

12 March, 2020

*Duration : 15 minutes**Do not forget to write your name on your paper !***QUESTION**

*(a) (5 pts) For the finite state machine above where  $\Sigma = \{0,1\}$  and  $F = \{1,3\}$  is the set of final states, state whether it is a DFA or an NFA and in case it is an NFA compute an equivalent DFA **B**.*

*(b) (5 pts) Is your DFA **B** computed in (a) a minimal state machine ?  
If not compute its equivalent minimal state machine **C**.*