Ma2201/CS2022

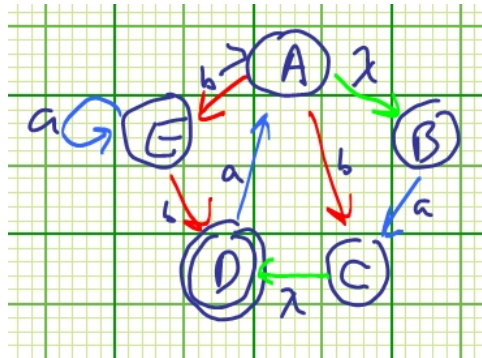# Foundations of C.S.

Spring, 2021

Quiz 1010

Online Quiz

1. Consider the non-deterministic finite automaton with λ-rules:

a) Find the λ closure of each of the five states.

b) Use the λ-closure fill in the transition relation

	a	b
A		
B		
C		
D		
E		

c) Use parts a) and b) to construct an equivalent deterministic finite automaton. (The start state should be $\{A, B\}$). (You may specify your machine diagramatically or via a table, but the table must be in the correct format for a DFA).