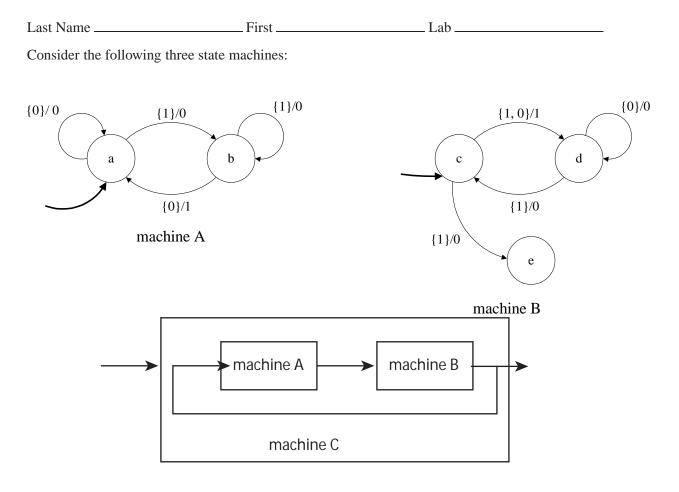
EECS20n, Quiz 2, 10/17/01

The quiz is designed to encourage you to study solutions when they are made available. The quiz will take 15 minutes. Write your reponse on the sheet.

Please print your name here:



Machines A and B have input and output alphabets

$$Inputs = Outputs = \{0, 1, absent\}.$$

Machine C has the same output alphabet, but input alphabet $Inputs_C = \{react, stutter\}$.

1. Draw the state transition diagram for the composition (machine C), showing only states that are reachable from the initial state.

2. Give the $Behaviors_C$ relation for the composition of machine C, ignoring stuttering.