

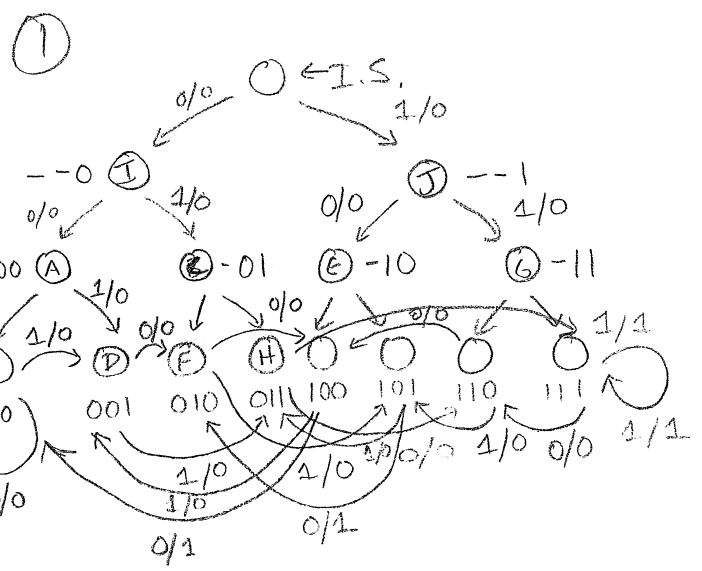
Solutions

Class Exercise—State Diagrams

11/25/15

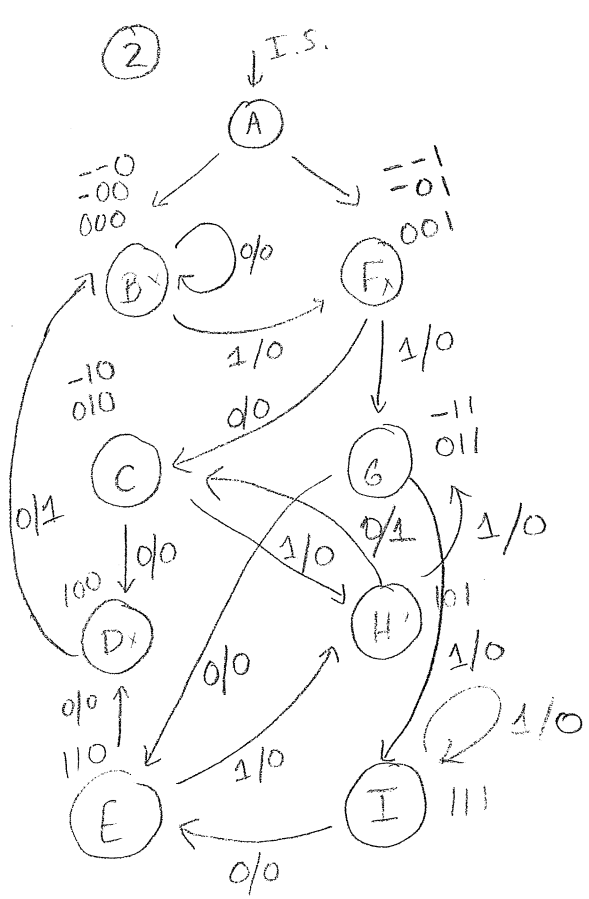
Draw a state diagram for the following sequential network:

- The network produces a 1 output iff the current input and the previous three inputs correspond to either 1000 or 1010
- 1000/1010 Sequence Recognizer
- The 1 output is to occur at the time of the fourth input of the recognized sequence. Outputs of 0 are to be produced at all other times.



Merge

A, B	I, A
C, D	J, D
E, F	
G, H	



Merge

C, E
G, I

