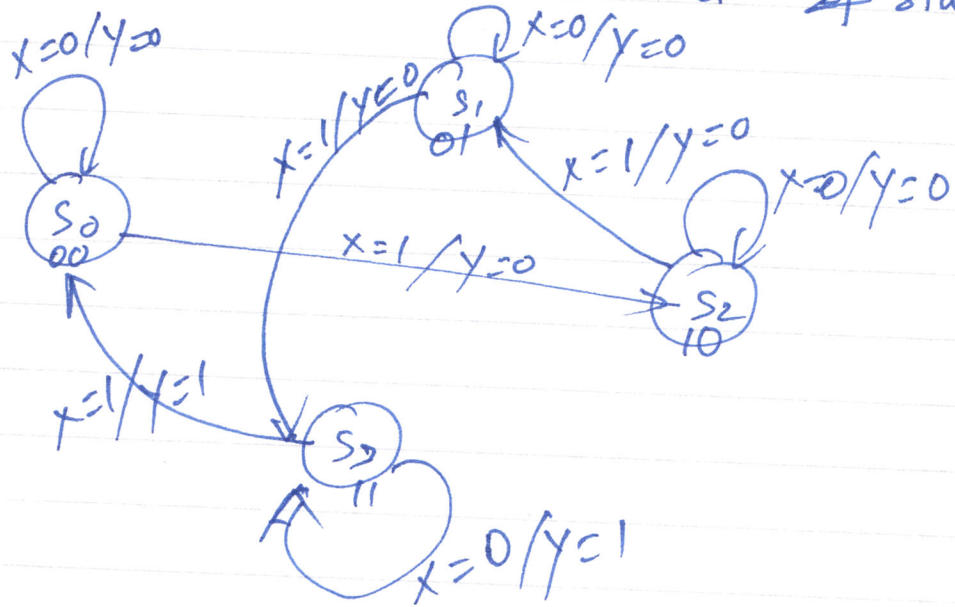


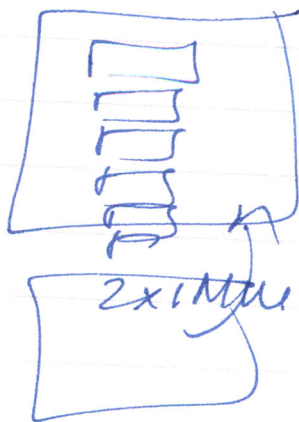
slip 3: State diagram Doc 4, 201 ⁽²⁾
 2 FF \rightarrow 2 Bits 2 ~~of~~ states



For D-FF ~~DA~~ =
 $A(t+1) = DA = x \oplus A$
 $B(t+1) = DB = Bx' + AB'x + ABx$

\xrightarrow{x}
 8x1 Mux Structurally
 using 2x1 Mux?

Draw the Block diagram.



Vending machine state diagram

world problem \Rightarrow solution

\hookrightarrow FSM \uparrow

25¢ for water Design representation
input $\{5c, 10c, 25c\}$

