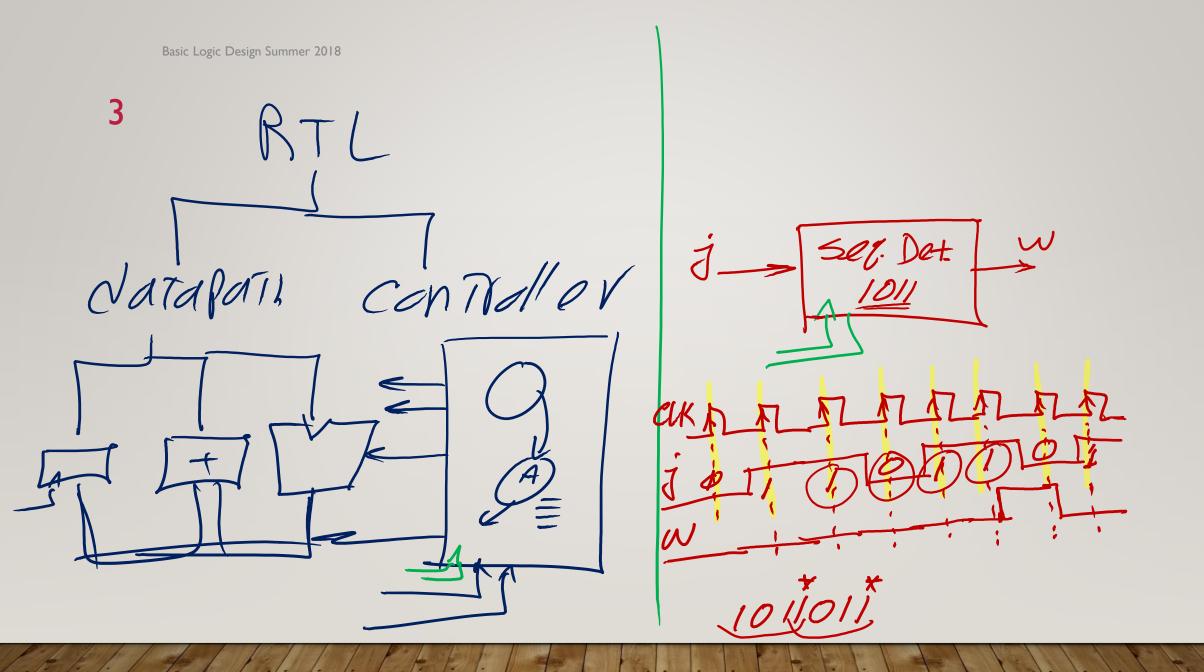




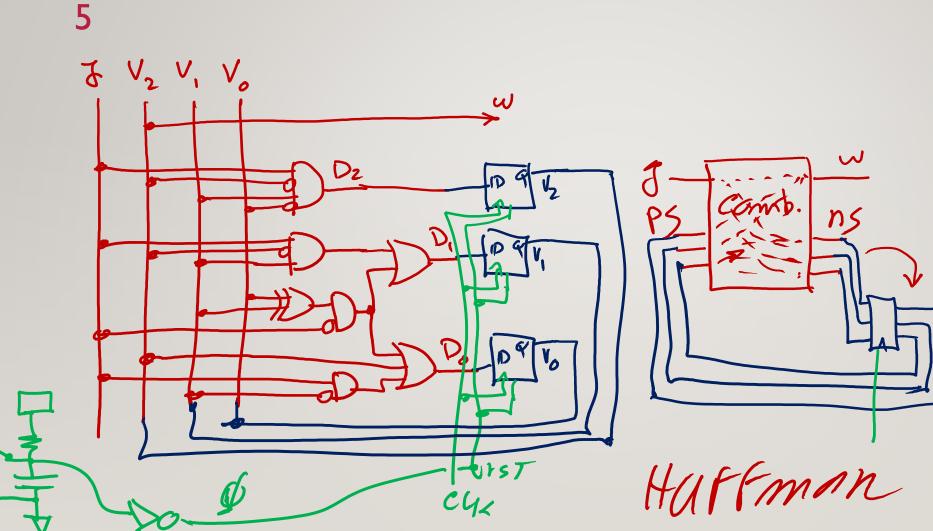
Rigital Logic Resign Lecture 9

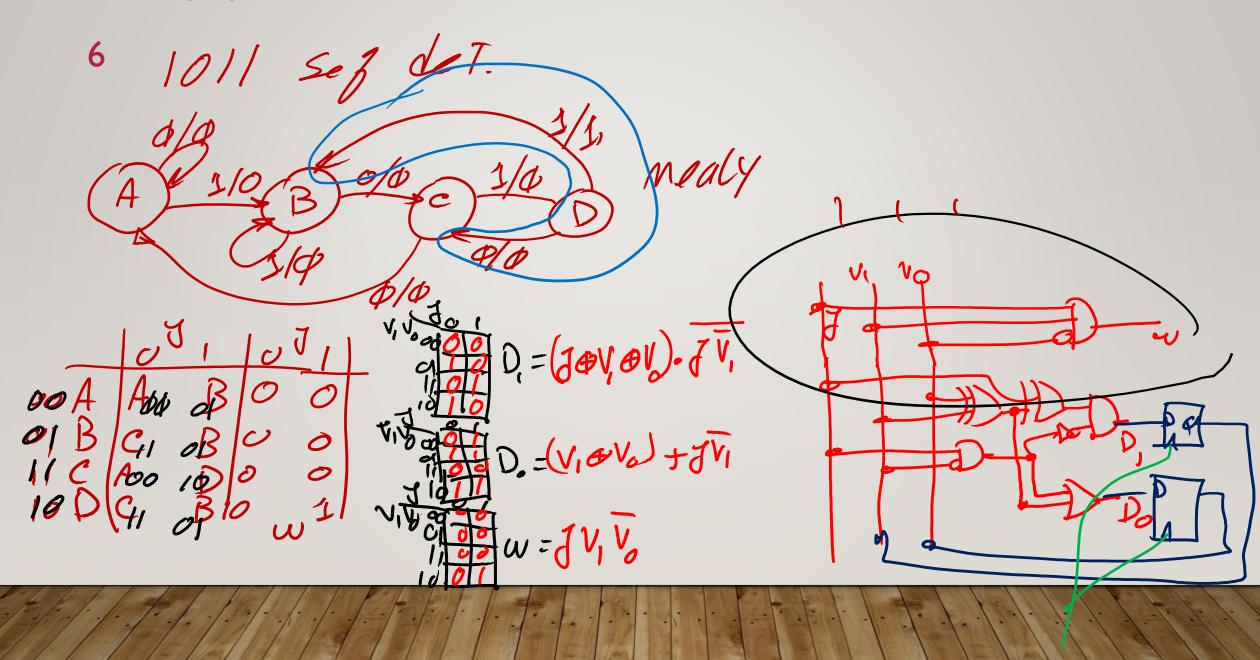
Dr. Navabi

2 FSM & STATE Mathins sequence détector 11=5 NEQ Mod 5



a seg deterro 4 detecting · Probdese. · STATE diag MOOTO · STaile Tab 9 • STATE Assig V2VV @ VZVIY 0 oTransition Th 800 800 \bigcirc 00 0 00110 000 000 000 A · FF TYPE ∂ 001011 OOI B B 0010 00/011 CO \mathbf{O} OExcitation D 000 0 0100 0110 011 011000 010 0: V_2 -J($V_1 \otimes V_2$)+J V_1 ∂ 10 010 D 010011 10 010011 F اص 10011 NOUL 001 IDE C D2D,D DFF $V_2^{+}V_1^{+}V_1^{+}$ FON a

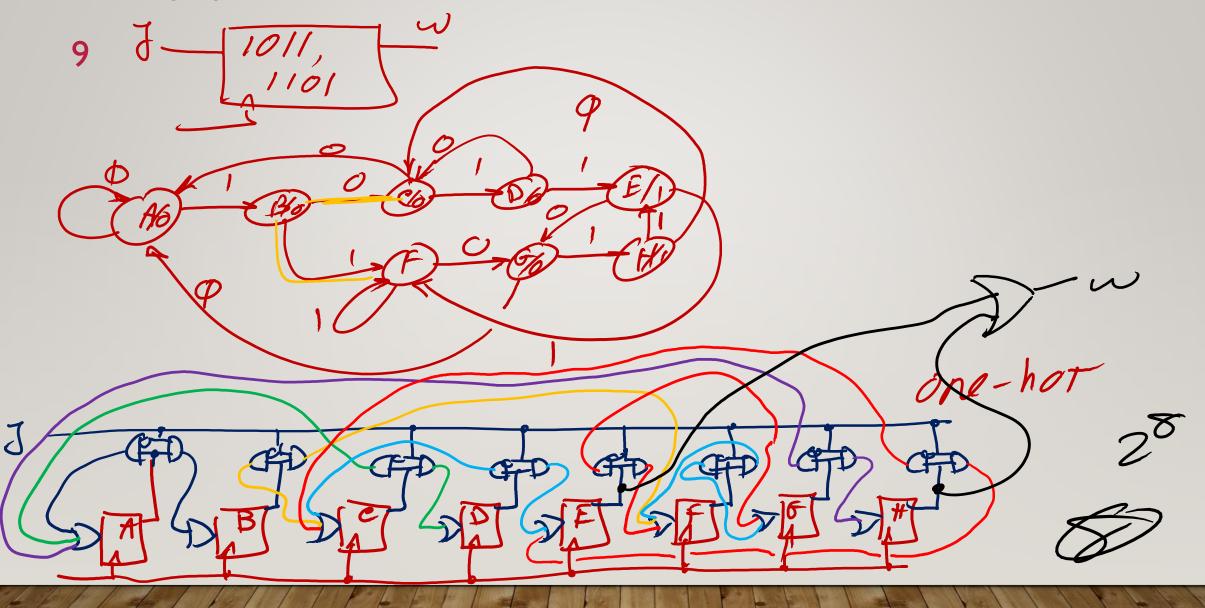




CUKJABCDCDECC 01000 Moore PO Mealy

Basic Logic Design Summer 2018

8 module Moorelon (input clk, VST, J, output u); always @ (J,PS) begin: 161:160; $ns = 3d\phi;$ Case (PS) $3'd\phi: ns = 3?3'd1:3d\phi;$ 3'd1: ns = J?3'd1:3'd2; 3'dZ: if(J) ns=3'd3; else ns=3'd0; 3'd3: n5 = 7?3'd4: 3'd2; 3'd4: ns = J?3'd1:3'd2; defaul T: ns=3'd0; end endcase always @ (Posed Ie CLIS, Posed Je 157) 1F(157)PS <= 3'da; else PS <= 105) madula



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