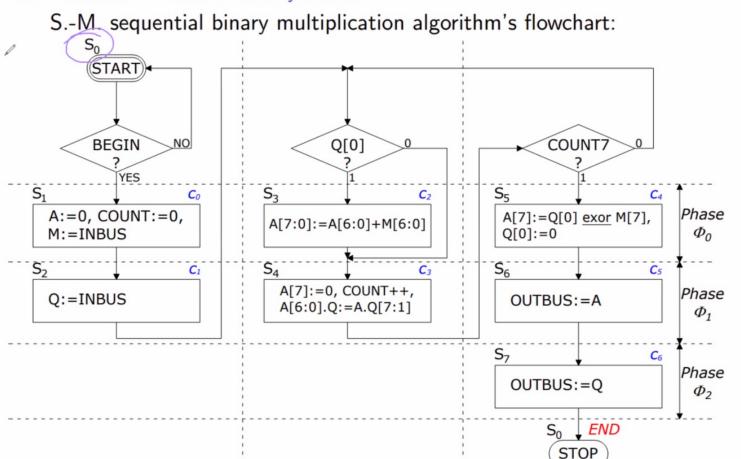
Serial Adder

-> FSM State table -> Florithant pt. Control Unit

4.3 - Elements of Control Unit synthesis

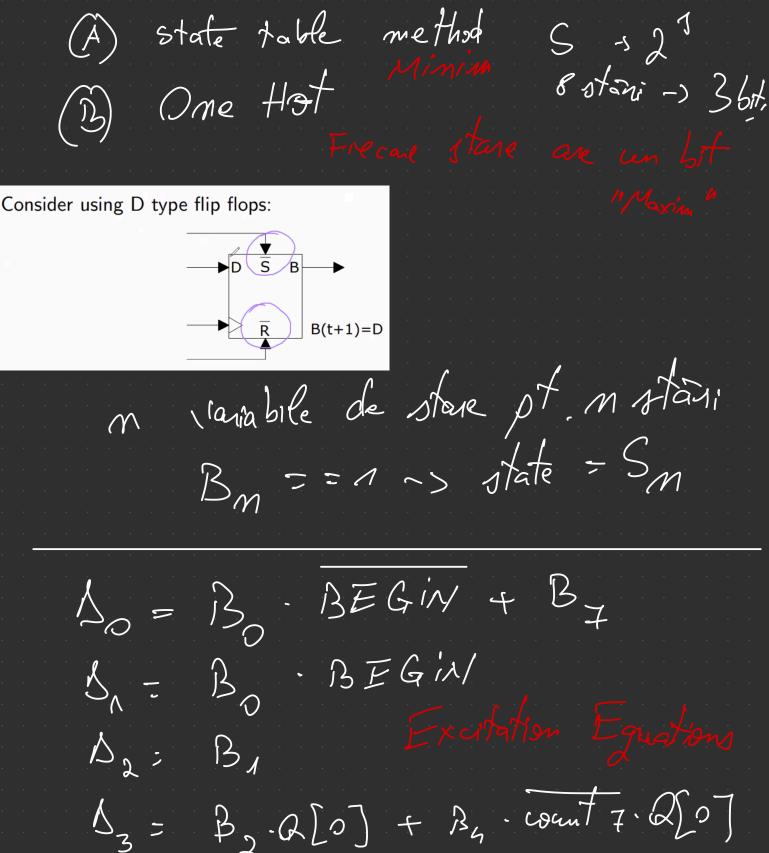
Cycle 0



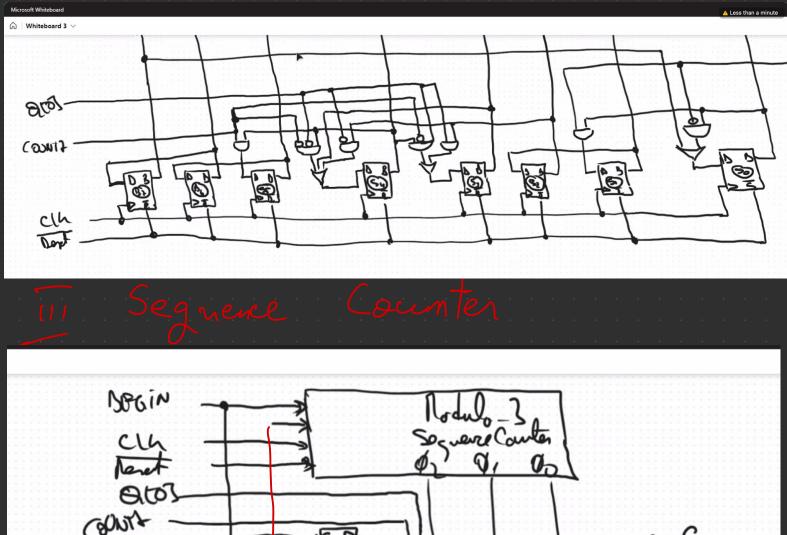
Cycle 1 to 7

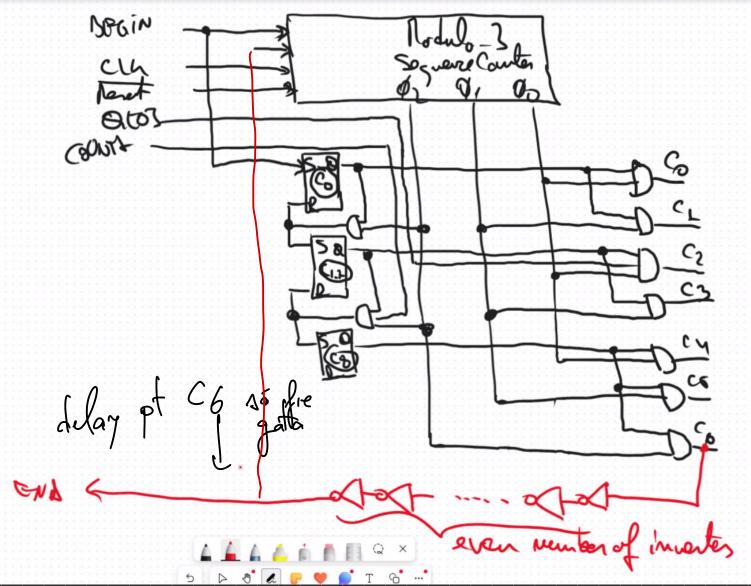
Cycle 8

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 $\Delta_3 = \beta_2 \cdot Q[0] + \beta_4 \cdot count 7 \cdot Q[0]$ $\delta_4 = \beta_2 \cdot Q[0] + \delta_3 + \beta_4 \cdot count 7 \cdot Q[0]$ $\delta_5 = \delta_4 \cdot count 7$ $\delta_6 = \delta_5$ $\delta_{7} = \delta_6$





4.3 - Elements of Control Unit synthesis (contd.)

(C): Sequence Counter (continued)

