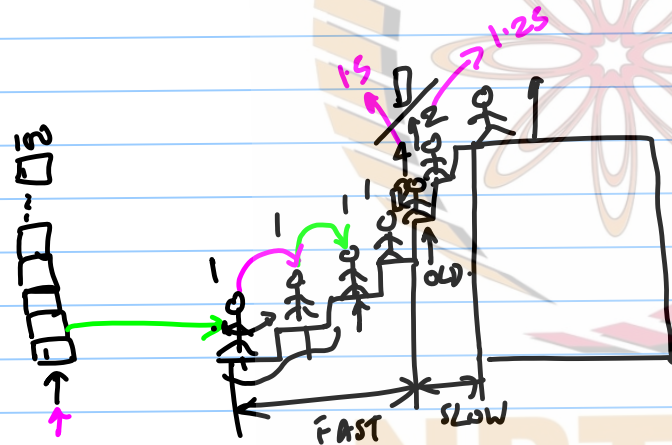


3/10/2019

EE5311

## MODULE-5 - SEQUENTIAL CIRCUITS

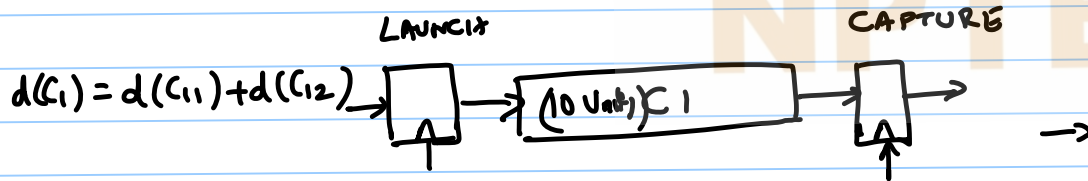


10 steps.

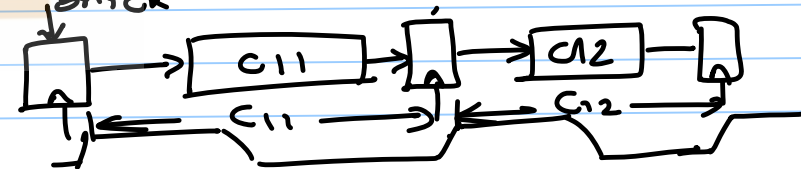
Total time = 1000 units

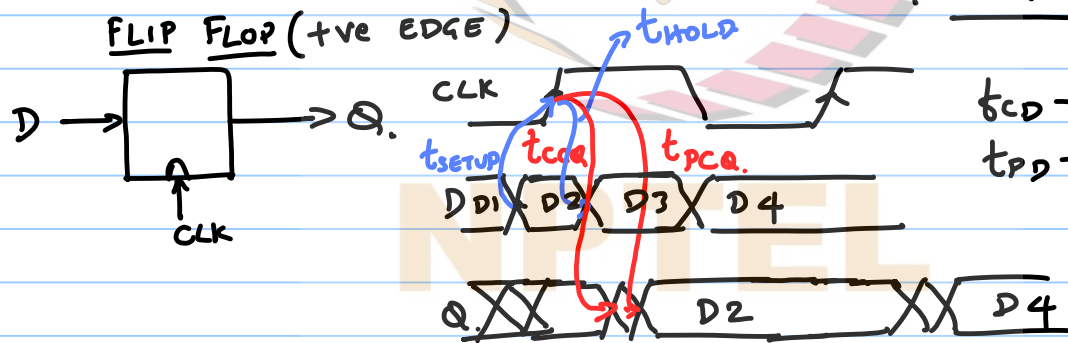
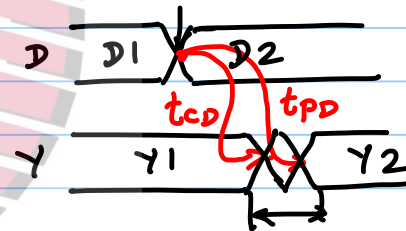
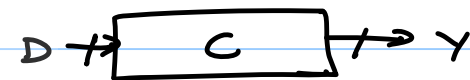
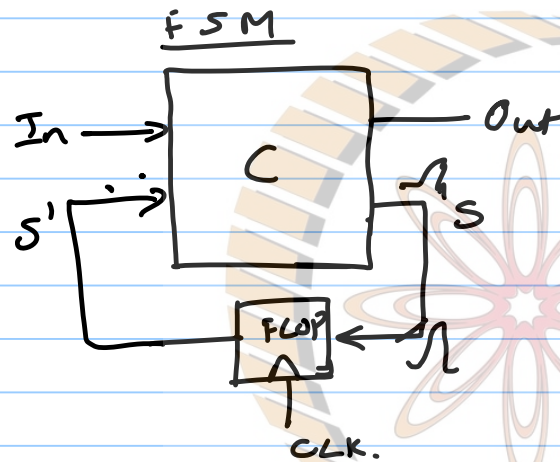
Pipeline

Total time = 110 units. ←

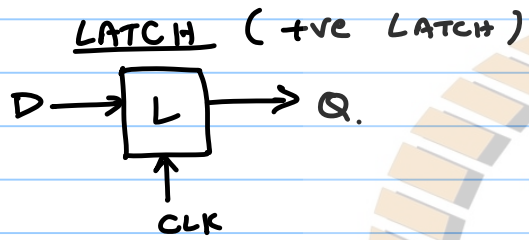


Every 6.5 Units we can Feed a brick





$t_{cd} \rightarrow$  CONTAMINATION DELAY  
 $t_{pd} \rightarrow$  PROPAGATION DELAY.



IF  $CLK == 1$   
 $\Rightarrow Q = D.$   
 IF  $CLK == 0$   
 HOLD  $Q.$

