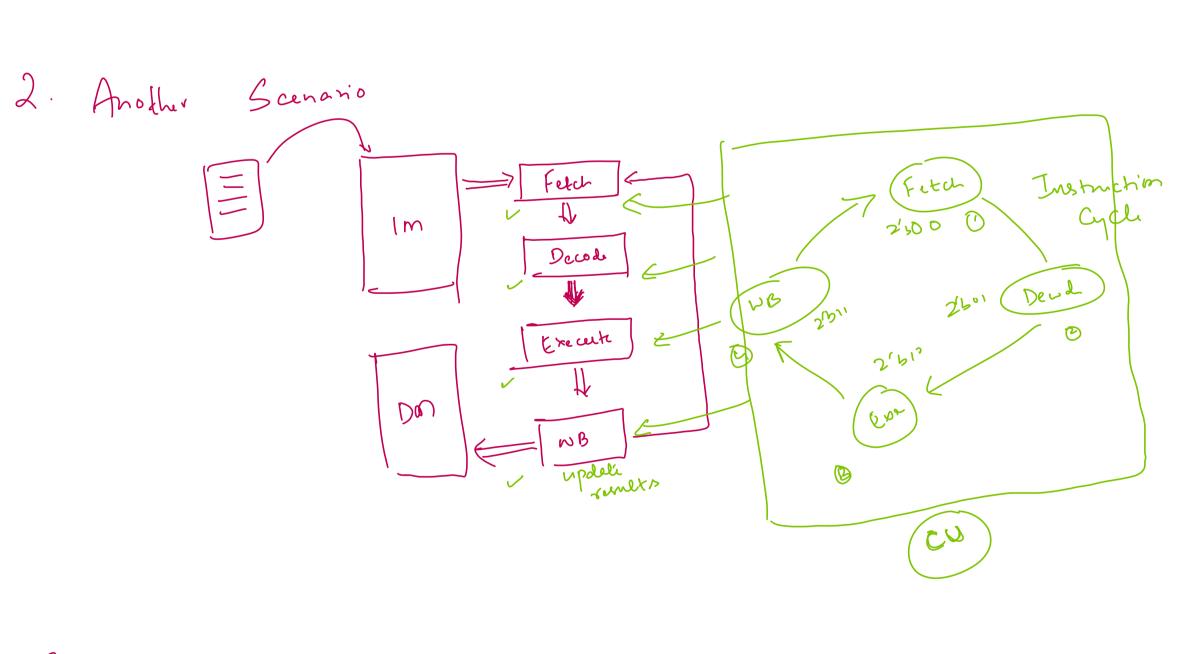
1. FINITE STATE MACHINES Condition -> browny value -> FFs (outpur) Persits for a certain amount of time A valid State Should purnist for atleast 1 clock cycle. CI Controlly (1) State diagram (aptures the functionality of the controller At a given point of time only One Stali Can be there Coding the State or achine: -) Come up with a State diagram - Identity the number of States $n < 3 \times$ Trind the minimum andser of the needed 2n; to generalis the 'on' stalis -> Now Comeup with the Standard template for a Stat machine luniar Japanhal arcur (Fra Comba) 12 (P) Set wachin I next stali always (Tom) 6000 Cle State Machin 1 (3) (3) Next stell = 3'boo') reg [2:0] CG; always@ (1 Che) 3,4000: if (rad) else Es & ment stati, intial, stali; 3'6001: 1 3, 7000 . 36001. endani -> How does the top level module book like? Che (Kolon) nee



enolote

