

Ap3: Derive FF input equations. head that if you me D.FF. to, then the output of the flipflop A(1+1) and B(+1) are same as the inputs. so ue need to synthesize $\beta(1+1) = D_{A}(1)$ and $\beta(1+1) = D_{B}(1)$ D-input of the FE From the state take we can form k-map. A BX 10 01 11 10 DA = AX+Bx DB= AX+BX the off is simple tunction of A (+1) an B (+1) y (++1) = A(++1) B(++1) Step-4 Draw the circuit follows the quatters 2 - DA PB (++1)