HW#2 Solutions $La = \{ao\},$ Lb = 303 Lf = {ao} = LaULB , LA = { c1, h, }, Ld = { \$ 9 }, Le = { \$ 9 } LI-Lg= 2903, Li= Lh-Ld= {c, h, 5 Levli = { c,h,}, lm = LkUy={ ao, c,h,} So detected fault = ao, c, h, a D = delay of NAND at time D, by = (Ls-Ly) U ys-a-o 20, Ly = (Ls-Ly) V Js-a-oVLR Vys-a-1 3d, Ly = Ls A ((Ls-Ly) Vys-a-o ULR Vys-a-s next page ->

So at 3D, $Ly = L_S \Lambda ((L_S - L_y) U L_R)$ (because $L_S \Lambda y = a - o = \beta$ and $L_S \Lambda y = a - 1 = \beta$ assuming L_S and L_R do not contain faiths on the olps of the letch.

So at 4Δ , $L_y = L_S \Lambda ((L_S - L_y) U L_R)$ At 5Δ , $L_y = L_S \Lambda ((L_S - L_y) U L_R) \Lambda L_S$ - $L_S \Lambda ((L_S - L_y) U L_R)$ Hote: because $L_y (3\Delta) = L_y (5\Delta)$ convergence $U_S \Lambda U = U_S \Lambda U U = U_S \Lambda U = U$

