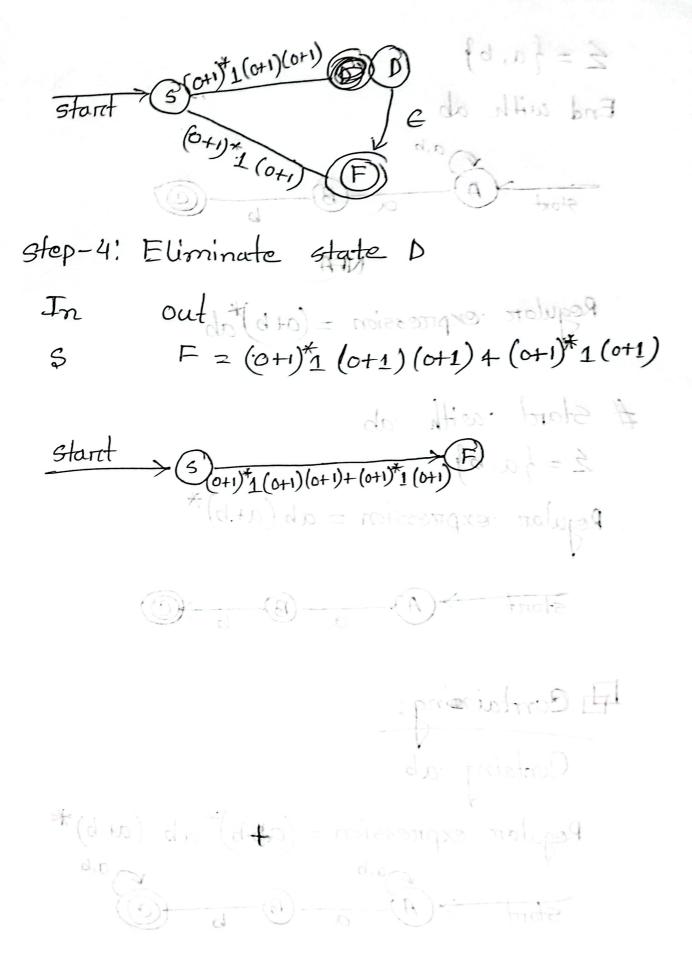


Step-3: Eliminate State D Out >F = ((0+1)(0+1) (0.1)
(0+1)(0+1) (0+1) (0+1) (0+1) step-4: Eliminate state A In out $S \longrightarrow F = (0+1)^* (1(0+1)(0+1)+1(0+1))$ Regular expression = (0+1)* (1(0+1)(0+1))* (1(0+1)) Stand (0+0) 1 (0+1) (0+1) (0+1) stop-3: Eliminate state a (1+0)(1+0) 1 (1+0)=0< >F=(0+1) 1 (0+1)

stop-3: Eliminate state 1 Example_2 Step-1: Eliminate state A In out S -> B = (0+1) \$1 step-2: Eliminate state B In ((1+0) 1+(1+0)(1+0) 1) (1+0) = 7 = 2 S((1+0)1) \$= (0+0) (0+1) (0+1) = wissouded 40 1 hod Step-3: Eliminate state e out $S \longrightarrow D = (0+1)^{*} + (0+1)(0+1)$ >F=(0+1)*.1 (0+1)



Step-4: Eliminate ATULE D Regular expression = $(a+b)^{*}ab^{+100}$ 3 # Start with ab 2 = {a,b}(1+0) (1+0) (1+0) (1+0) (1+0) (1+0) Regular expression = ab (a+b)* Containg ab