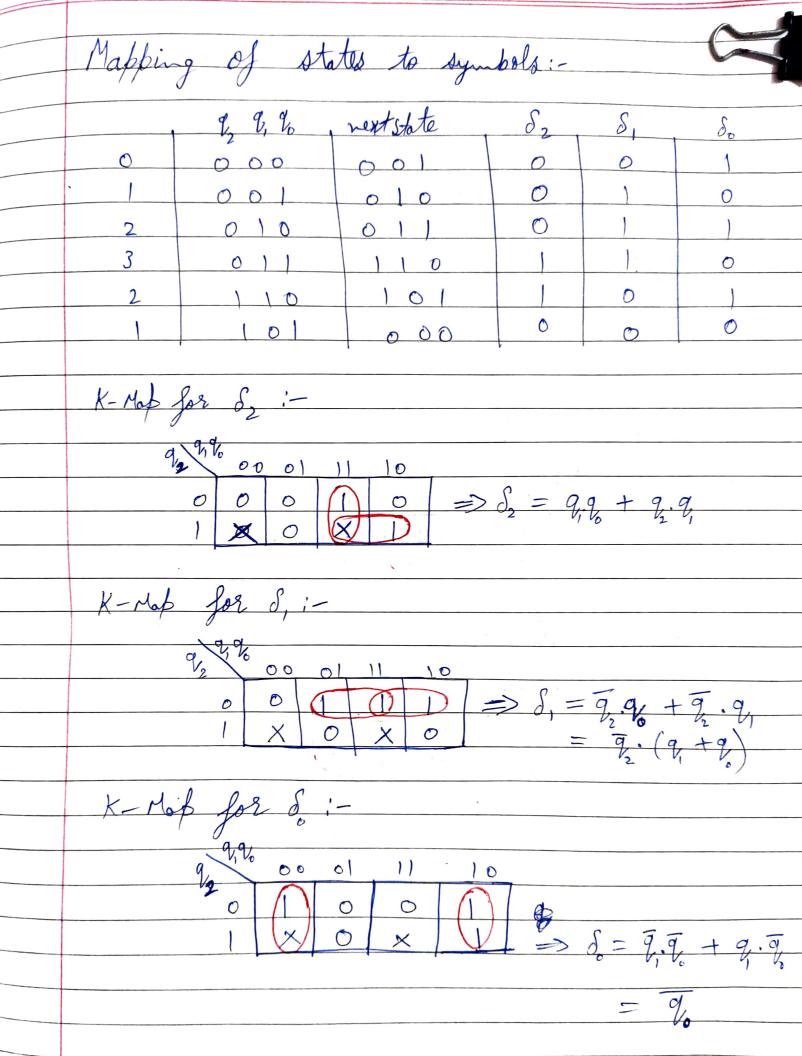
I = Input symbols - 9, 9, 90, This is extra to represent your stated 0 = aut but symbols = fo, i) states = {0,1,2,3,2,1} These two can be considered as 2' and 1' & given different symbols from 2 and initial state = for 3(011) S, So - state transition functions.

de , de - output functions.



outputs: - d. +d, K-Mab for do 1-2 2, Vo K- Map Jos do 1- $\frac{q_{1}q_{0}}{000011100}$ K-Map for N, :-

I = Input symbols = 9, 9, 9,

{ 0,000,001,010,011,100,101,110,111} at 0 = output symbols = {0,1} states - {0,1,2,3,4,5,6,7} for wb=1:- 0 -> 1 -> 2 -> 3 for up = 0! $0 \leftarrow 1 \leftarrow 2 \leftarrow 3$ initial state = $\sqrt{4}$ S2, 8, 80 are state transition functions.

N2, N, No are sufferts functions.

Mapping of states to symbols: for up=1"
upl2 1, 2 next state 1001 0 1 1 100 101 000 Kertap for Sifor up = a up 92 2, 2, next state 0 100 0 0 1 1 0 0 0 10 0 001 0 0 0 000

