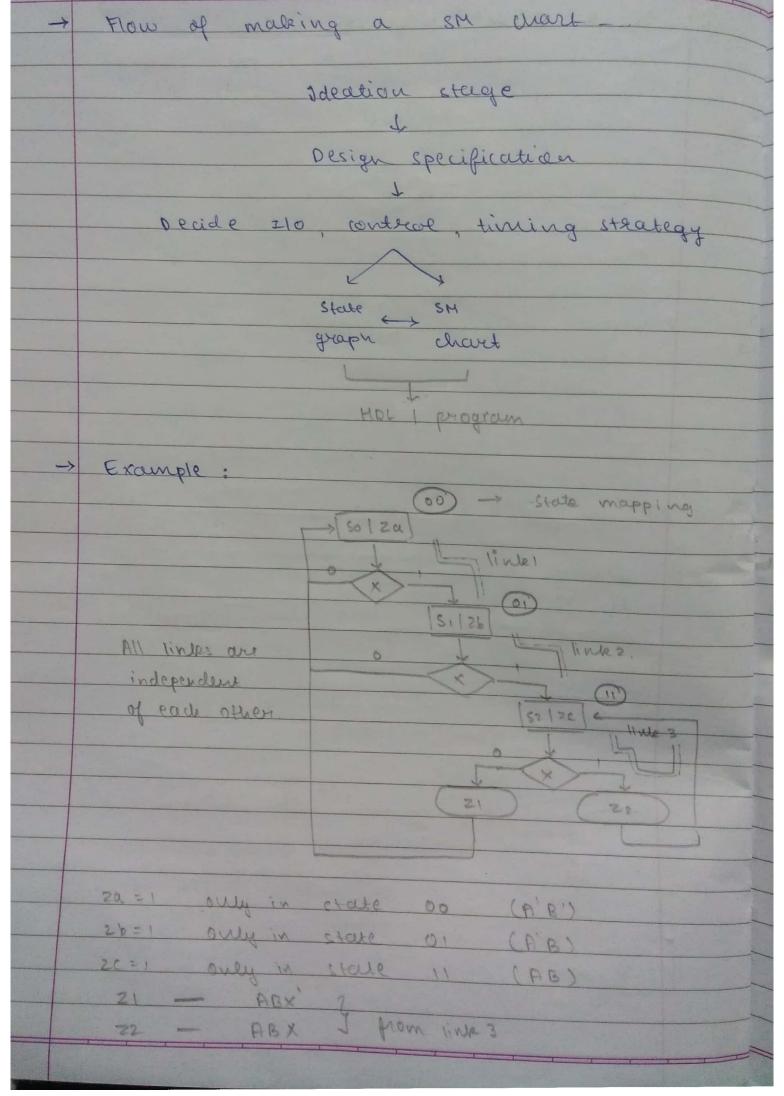
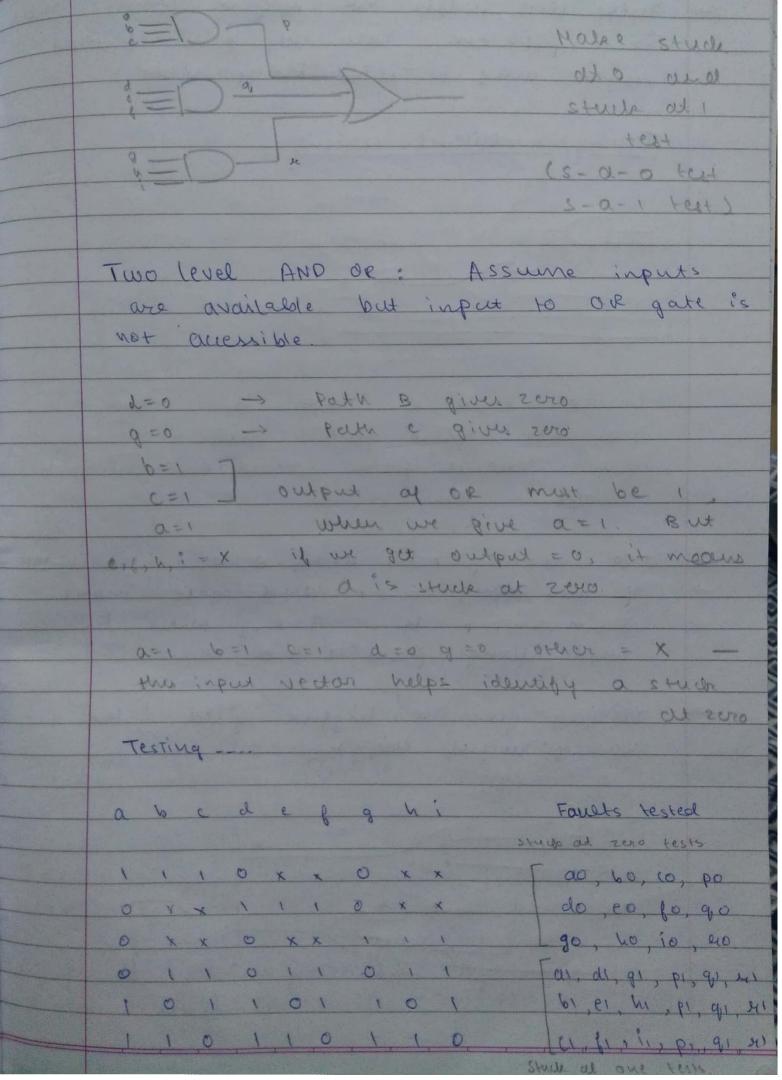


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Testing sequential rogic of we can observe all the input and output sequences, and not the states, then a very large no. of flip flops are required If a logic doesn't work, we revort to brute force method. reset - initial state - apply a test seq. - observe output sequence - if correct, supeal ? Convert to an iterative arcent: (omb Mealy QU). CK+ madine Clk Z(+). 1 (out) Q(2). colles Q(0)\_ ckt. 200) 200) zuc) Here, 2, x, Q can be single variables as vectors xs are inputs. 12+1 is the length of iterative concerite

Reser
20010
110 20 5
(e) -01 1101
110. (Sell 1900 C
11 (53)
Stude how
No. 1 Chile
ar Q2 State x=0. x=1 x-0.
0 = 0
1 0
0
S2 S3 S3 1 1 S3. S2 S0 1
32 30,
-> It is necessary that the test input goes
through all fee transitions (ever in
+ through all the francitions (every inte in Eq. x = 01.0 110 011 me graph)
2 = 001011110
> To test all the transitions, you have to
find distinguishing sealouse lie
finite input segnence that cause different output segnence)
afform sequence)
For along water
For along state madrine, the distinguishing sequences:
// // (2. 2. 2.2.)
(50, 51, 52, £3) graups
50,53

