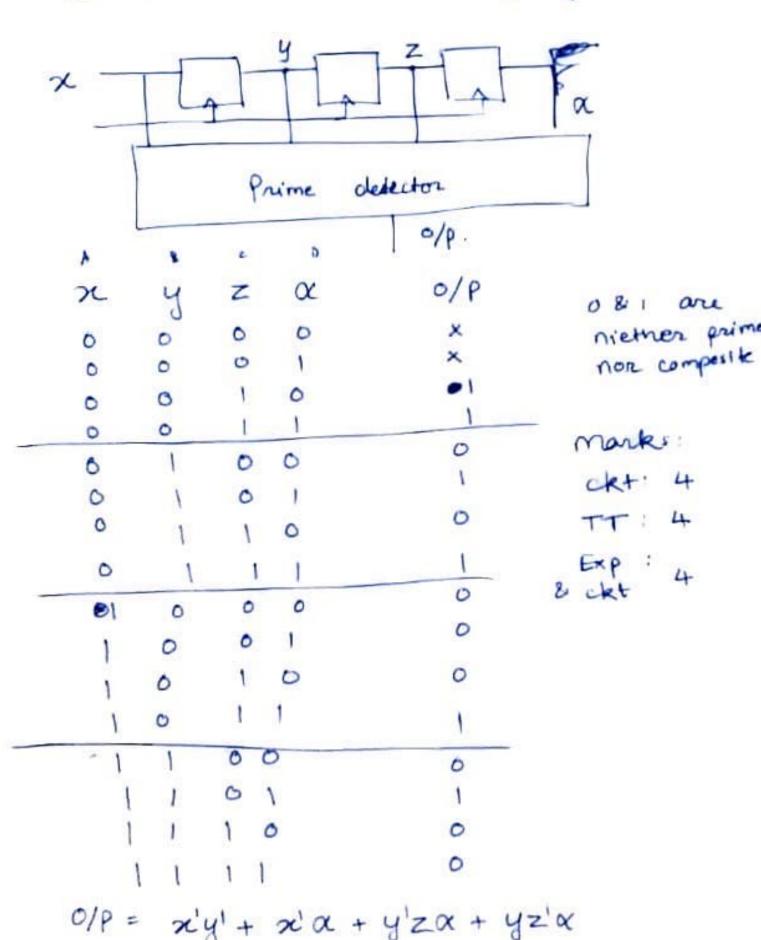
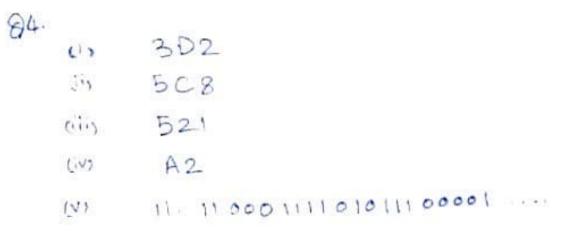
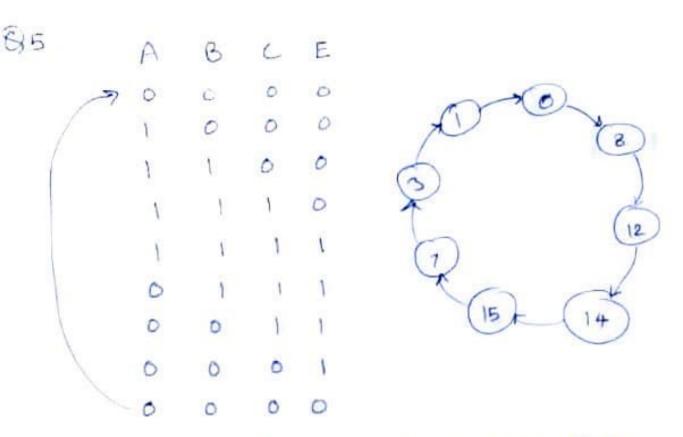
-> C = A.B. + A.B. + A.B. S. = A.B. + A. A. B. + A.B. B. S. = A.B. + A.B. + A.B.

- make k-maps

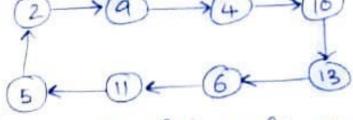
Tiput bit stream: X Use 3 D FFs in series (chift register)







Other states For example starting at 2, similar tuble can be made. State diagram:



In general, in k clock cycles, the State becomes it is complement & in another k cycles it returns to original So 2k.