

SNS COLLEGE OF TECHNOLOGY

Coimbatore-35 An Autonomous Institution



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

19ECB231 – DIGITAL ELECTRONICS

II YEAR/ III SEMESTER

UNIT 4 – DESIGN OF SEQUENTIAL CIRCUITS

TOPIC – STATE MINIMIZATION & ASSIGNMENT



STATE MINIMIZATION & ASSIGNMENT



The process of eliminating the equivalent or redundant states from a state table/diagram is known as state reduction.

State assignment means assign the binary values to each state.

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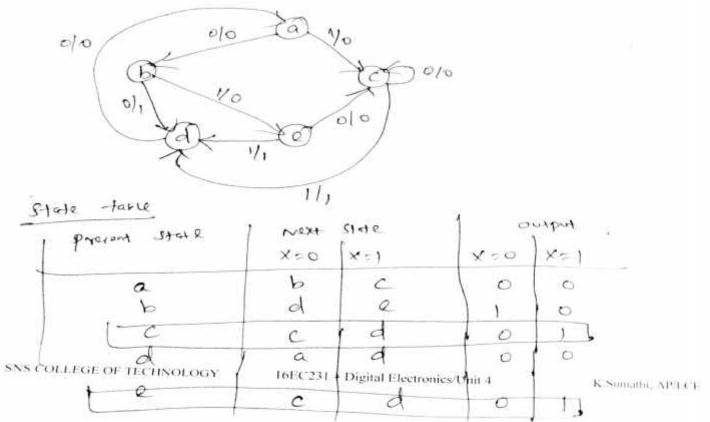
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State minimization (Dr) Reduction Technique! -

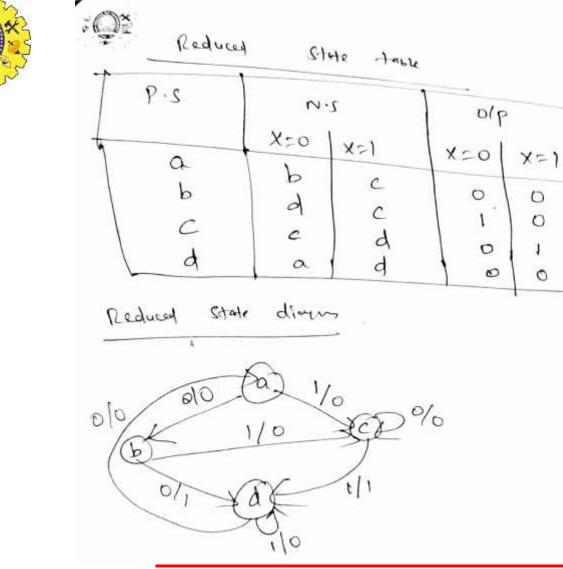
reduce the Cost of the Circuit.





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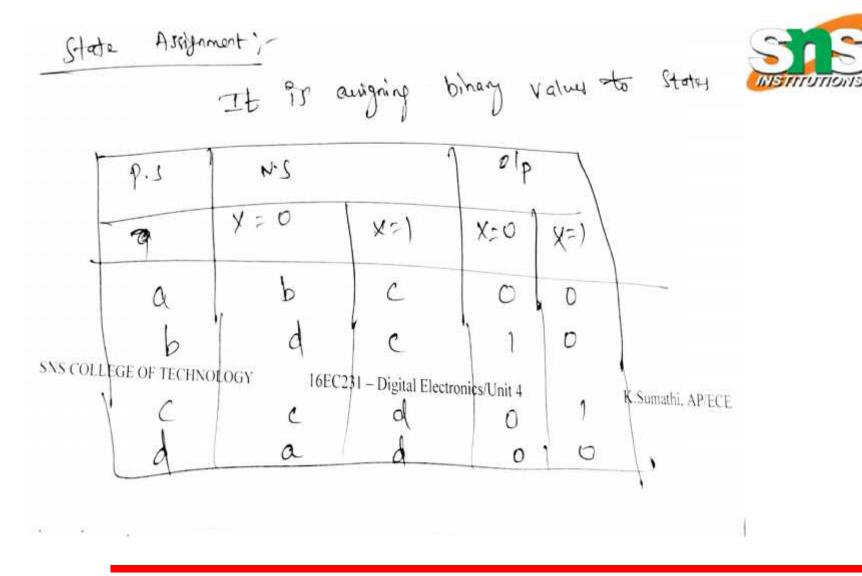
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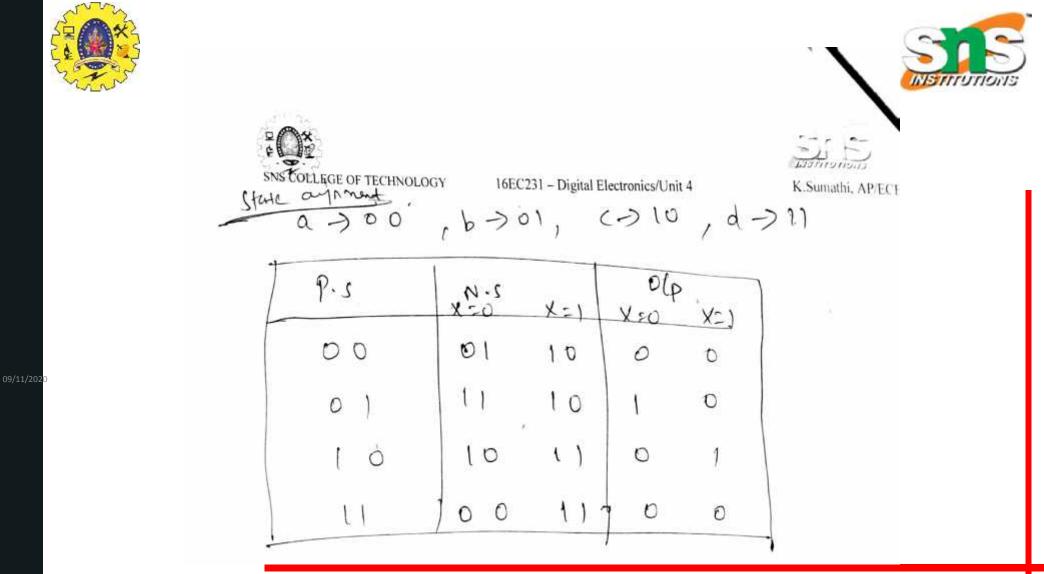
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ASSESSMENT



1.What is state reduction?

2.Define state assignment.

3.Explain the operation of state minimization technique with example.

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THANK YOU

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