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# Switching Theory And Logic Design

## 2nd Edition

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THEORY NUMBER SYSTEMS Logic gates in Switching theory and Logic design  
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**INGRID PITTS**

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 Notes. SEQUENTIAL CIRCUITS - I:  
 Classification of sequential circuits  
 (Synchronous, Asynchronous, Pulse  
 mode, the Level mode with examples)  
 Basic flip-flops-Triggering and excitation  
 tables. Steps in synchronous sequential  
 circuit design. Switching Theory and  
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 mathematical study of the properties of  
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inputs; or may also contain sequential  
 elements, where the present state  
 depends on the present state and past  
 states; in that sense, sequential circuits  
 are said to ... Switching Theory and Logic  
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 switching theory and the design  
 techniques of digital circuits and  
 presents a brief ... Switching Theory and  
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1. Switching & Finite Automata theory – Zvi Kohavi and Neeraj K Jha, ,3rd Edition, Cambridge. 2. Digital Design – Morris Mano, PHI, 3rd Edition. REFERENCE BOOKS: 1. Introduction to Switching Theory and Logic Design – Fredriac J Hill, Gerald R Peterson, 3rd Edition, John Willey and Sons Inc, 2.

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Switching circuit theory is the mathematical study of the properties of

networks of idealized switches. Such networks may be strictly combinational logic, in which their output state is only a function of the present state of their inputs; or may also contain sequential elements, where the present state depends on the present state and past states; in that sense, sequential circuits are said to ...

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