Switching Theory & Logic Design

Mr. A P Godse, Mrs D A Godse

Click here if your download doesn"t start automatically

Switching Theory & Logic Design

Mr. A P Godse, Mrs D A Godse

Switching Theory & Logic Design Mr. A P Godse, Mrs D A Godse
UNIT I (Chapter-1) Review of Number Systems : Representation of numbers of different radix, Conversion of numbers from one radix to another radix, r-1's complement and r's complement of unsigned numbers subtraction, Problem solving. Signed binary numbers, Different forms, Problem solving for subtraction. 4-bit codes : BCD, EXCESS-3, Alphanumeric codes, 9's complement, 2421, etc. UNIT II (Chapter-2) Logic Operation, Error Detection and Correction Codes : Basic logic operations NOT, OR, AND, Boolean theorems, Complement and dual of logical expressions, NAND and NOR Gates, EX-OR, EX-NOR Gates, Standard SOP and POS, Minimization of logic functions using theorems, Generation of self dual functions. Gray code, Error detection and error correction codes, Parity checking even parity, Odd parity, Hamming code, Multi-leveled AND-NOR realizations. Two level NAND-NAND and NOR-NOR realizations. Degenerative forms and multi-level realizations. UNIT III (Chapter-3) Minimization of Switching Functions : Minimization of switching functions using K-Map up to 6-variables, Tabular minimization, Minimal SOP and POS realization. Problem solving using K-map such as code converters binary multiplier etc. UNIT IV (Chapter-4) Combinational Logic Circuits-I : Design of half adder, Full adder, Half subtractor, Full subtractor, Applications of full adders, 4-bit binary adder, 4-bit binary subtractor, Adder-subtractor circuit, BCD adder circuit Excess-3 adder circuit, Look-a-head adder circuit. UNIT V (Chapter-5) Combinational Logic Circuits-II : Design of decoder, Demultiplexer, Higher order demultiplexing, Encoder, Multiplexer, Higher order multiplexer, Realization of Boolean functions using decoders and multiplexers, Priority encoder, Different code converter using full adders. UNIT VI (Chapter-6) Combinational Logic Circuits-III : PROM, PLA, PAL, Realization of switching functions using PROM, PLA and PAL; Comparison of PROM, PLA, and PAL, Programming tables of PROM, PLA and PAL. UNIT VII (Chapter-7) Sequential Circuits - I : Classification of sequential circuits (synchronous and asynchronous): basic flip-flops, Truth tables and excitation tables (NAND RS latch, NOR RS latch, RS flip-flop. JK flip-flop, T flip-flop, D flip-flop with reset and clear terminals).Conversion of flip-flop to flip-flop. Design of ripple counters, Design of synchronous counters, Johnson counters, Ring counters. Design of registers, Buffer register, Control buffer register, Shift register, Bi-directional shift register, Universal shift register. UNIT VIII (Chapter-8) Sequential Circuits-II : Finite state machine, Capabilities and limitations, Analysis of clocked sequential circuits, Design procedures, Reduction of state tables and state assignment. Realization of circuits using various flip-flops. Mealy to Moore conversion and vice-versa.

⬇ **Download** Switching Theory & Logic Design ...pdf

🗎 **Read Online** Switching Theory & Logic Design ...pdf

Download and Read Free Online Switching Theory & Logic Design Mr. A P Godse, Mrs D A Godse

From reader reviews:

Lola Hernandez:

Why don't make it to be your habit? Right now, try to prepare your time to do the important action, like looking for your favorite book and reading a book. Beside you can solve your condition; you can add your knowledge by the reserve entitled Switching Theory & Logic Design. Try to make book Switching Theory & Logic Design as your friend. It means that it can to be your friend when you sense alone and beside those of course make you smarter than in the past. Yeah, it is very fortuned in your case. The book makes you considerably more confidence because you can know everything by the book. So , let's make new experience along with knowledge with this book.

Samuel Puckett:

With other case, little folks like to read book Switching Theory & Logic Design. You can choose the best book if you appreciate reading a book. Providing we know about how is important some sort of book Switching Theory & Logic Design. You can add knowledge and of course you can around the world by way of a book. Absolutely right, mainly because from book you can learn everything! From your country right up until foreign or abroad you will find yourself known. About simple factor until wonderful thing it is possible to know that. In this era, we could open a book as well as searching by internet product. It is called e-book. You can utilize it when you feel uninterested to go to the library. Let's read.

Sherry Nicholson:

The reason why? Because this Switching Theory & Logic Design is an unordinary book that the inside of the e-book waiting for you to snap the idea but latter it will shock you with the secret it inside. Reading this book alongside it was fantastic author who else write the book in such amazing way makes the content within easier to understand, entertaining technique but still convey the meaning completely. So , it is good for you because of not hesitating having this any more or you going to regret it. This unique book will give you a lot of benefits than the other book have got such as help improving your talent and your critical thinking approach. So , still want to delay having that book? If I ended up you I will go to the reserve store hurriedly.

Hector Medlin:

As a scholar exactly feel bored for you to reading. If their teacher questioned them to go to the library as well as to make summary for some reserve, they are complained. Just minor students that has reading's heart and soul or real their hobby. They just do what the trainer want, like asked to go to the library. They go to there but nothing reading seriously. Any students feel that examining is not important, boring and can't see colorful photographs on there. Yeah, it is to be complicated. Book is very important in your case. As we know that on this period of time, many ways to get whatever we would like. Likewise word says, ways to reach Chinese's country. So , this Switching Theory & Logic Design can make you experience more interested to read.

**Download and Read Online Switching Theory & Logic Design Mr.
A P Godse, Mrs D A Godse #F68UMXW53GK**

Read Switching Theory & Logic Design by Mr. A P Godse, Mrs D A Godse for online ebook

Switching Theory & Logic Design by Mr. A P Godse, Mrs D A Godse Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Switching Theory & Logic Design by Mr. A P Godse, Mrs D A Godse books to read online.

Online Switching Theory & Logic Design by Mr. A P Godse, Mrs D A Godse ebook PDF download

Switching Theory & Logic Design by Mr. A P Godse, Mrs D A Godse Doc

Switching Theory & Logic Design by Mr. A P Godse, Mrs D A Godse Mobipocket

Switching Theory & Logic Design by Mr. A P Godse, Mrs D A Godse EPub