## Table of Contents for The Logic of More -eBook



Preface		i-v
Chapter 1	Introduction to n-state switching	1
Chapter 2	N-state scramblers and descrambler	10
Chapter 3	N-state inverters	14
Chapter 4	N-state inverters modified switching functions	18
Chapter 5	N-state machine arithmetic	22
Chapter 6	Binary latch switching model	26
Chapter 7	N-state latch switching model	32
Chapter 8	N-state inverter based circulating latch	36
Chapter 9	N-state shift registers	40
Chapter 10	N-state Feedback Shift Registers, Part 1	44
Chapter 11	N-state Feedback Shift Registers, Part 2	48
Chapter 12	LFSR based scramblers and descramblers	54
Chapter 13	Inverter reduction in LFSR based applications	62
Chapter 14	N-state sequence correlation graph: binary case	68
Chapter 15	Finite field or Galois Field GF(n) and n-state inverters	76
Chapter 16	N-state symbol sequence correlation: non-binary case	84
Chapter 17	N-state symbol m-sequence detection: SR methods	90
Chapter 18	N-state symbol m-sequence detection: word method	96
Chapter 19	N-state Gold sequences	100
Chapter 20	N-state convolutional codes	106
Chapter 21	N-state Reed Solomon codes	114
Chapter 22	Rapid LFSR synchronization	120
Chapter 23	Reed Solomon coder - intermediate coding states	126
Chapter 24	N-state transitional symbols – ripple adder encryption	132
Chapter 25	N-state Feistel networks	140
Chapter 26	Novel n-state LFSRs	144
Chapter 27	N-state ciphers to modify a statistical distribution of symbols	150
Chapter 28	Alternate finite fields of GF(n)	156
Appendix	Binary latch switching tables	160