ERRATA – LOGIC AND COMPUTER DESIGN FUNDAMENTALS

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Chapter 1

Chapter 2

Page 93.	Problem 2.9: "express each function."

Chapter 3

Page 108.	5th line from the bottom: "which specifies, using text, the"
Page 114.	Figure 3-9, under upper right K-map: $X = \overline{B}C + \overline{B}D + B\overline{C}\,\overline{D}$.
Page 116.	7th line from the bottom: "This can be done more"
Page 147.	Example 3-8, third case from left: change "+ 13" to "– 13."

Chapter 4

Page 174.	Last line of first full paragraph: change "interna1" to "internal"
Page 185.	Figure 4-11: "Y" should go from 0 to 1 at 64 ns, **not** at 62 ns, and from 1 to 0 at 146 ns, **not** at 157 ns.
Page 189.	Figure 4-15 (a): rightmost latch should be labeled "D with 0 Control."
Page 191.	Table 4.1 (a), row J=1 K=1, column Q(t+1): change "Q(t)" to "$\overline{Q}$(t)"

Chapter 5

Chapter 6

Chapter 7

Page 312. 2nd line from bottom: “contents of R1 into R2.”

Page 324. Figure 7-7: delete ⊏ in the four places it appears.

Page 343. Table 7-11, 4th row:

$R1 \leftarrow R0 + 2$	$R1$	$R0$	—	Constant	$F = A + B$	Function	Write

Page 345. Figure 7-20: clock cycle 1 entry for “Status bits” should be “4” instead of “2.”

Chapter 8

Page 398. Figure 8-22: replace first “C” in “N C V C” on the inputs to MUX S with “Z”

Page 399. Change Figure 8-23 as shown:

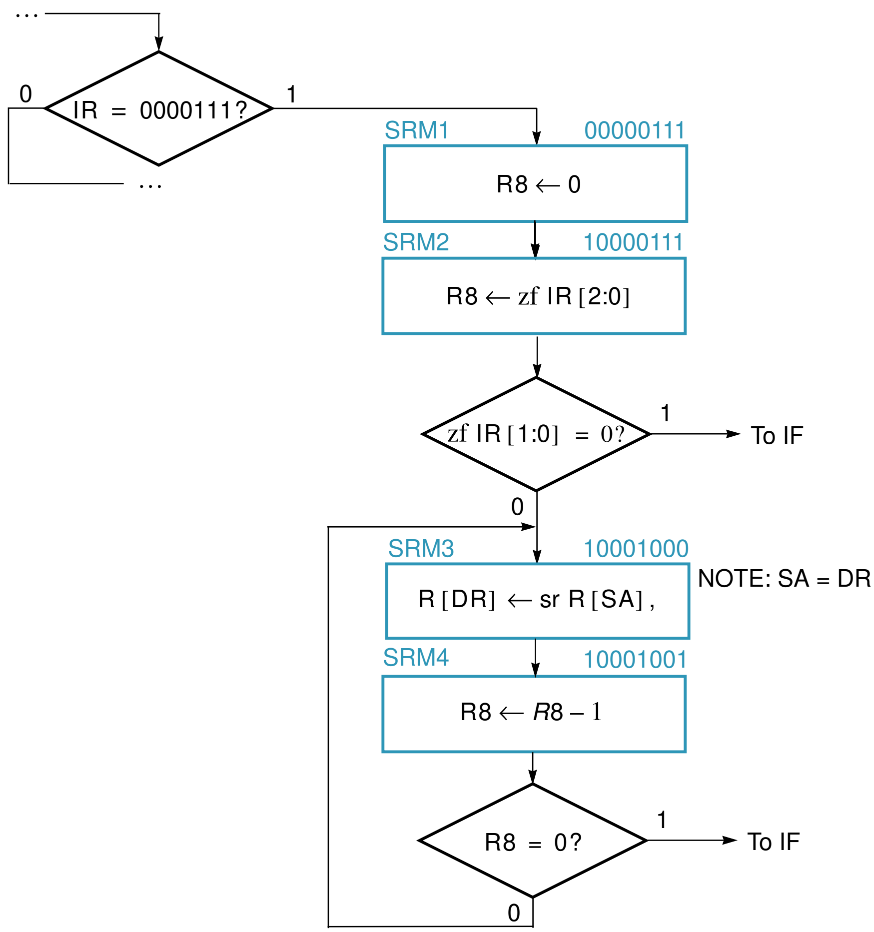
FIGURE 8-23 Format for Microinstruction

26 25 24 23 22 21 20 19	18 17 16	15	14	13	12	11	10	9	8 7 6 5 4	3	2	1	0
NA	MS	MC	IL	PI	TD	TA	TB	MB	FS	MD	RW	MM	MW

Page 406. Line 6 from the bottom: change “is used to store” to “stores”
Line 4 from bottom: change “R8. At the same time, the” to “R8 by using two microinstructions. The”

Page 407. Change Figure 8-26 as shown:

FIGURE 8-26 ASM Chart for Right Shift Multiple Instruction



Page 418. Figure 8-33: change the second "01" in "00, 01, 01, 11" on horizontal arrow to "10" and delete left arrowhead (one into state S2) on bottom arrow.

Page 423. Problem 8-26: add "Assume DR = SA = 1, SB = 2."

Page 424. Problem 8-27: before "(Hint:" add "Assume DR = 4."

Page 424. Problem 8-28:

a) Add "Assume DR = 3, SA = 1, SB =2."

b) Add "Assume DR = SA = 5."

d) Add "Assume DR = SA = 6."

Page 424. Problem 8-29: to indicate a more advanced problem, add “*” after the problem number.

Chapter 9

Chapter 10

Pages 508, 515 and 517. Figures 10-15, 10-18 and 10-19: add / with 2 on it to the thick arrow into the right side of MUX C.

Page 525. Figure 10-24: add line from the right E-UNIT to arrow immediately below it into the D-UNIT and the Register file.

Chapter 11

Chapter 12

Index

Page 598. After “Bit select, 263,” add “BIOS, 255”

If You Find Additional Errors

Please mail additional errors found or comments to:

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Thanks.

CRK