



The Essentials of Computer Organization and Architecture 2nd Edition

Linda Null and Julia Lobur
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Errata (1st Printing)

To confirm you have the first printing, see page ii for the following:

Printed in the United States of America
10 09 08 07 06 10 9 8 7 6 5 4 3 2 1

As errors are found in the textbook, they will be added to this list. The list will be updated as necessary. If you find an error, please send it to ecoa@jbpub.com.

Symbols Used

ti = ith line from top
bi = ith line from bottom
Fi = Figure i
X → Y = replace X with Y
Ti = Table i
Pi = Problem i
Ei = Example i

Format

Page # Location: Correction
Strikethrough: Correction/modification in errata

February 2006 List (publishing errors introduced in the production process)

xxii Chapter 2: Table of contents is missing Focus On section:
Focus On Codes for Data Recording and Transmission 100
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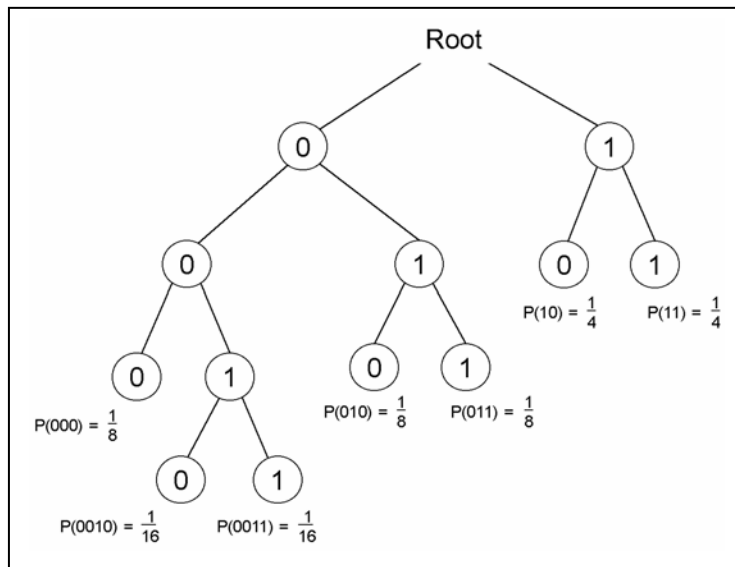
xxiii Chapter 3: Table of contents is missing Focus On section:

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xxvi Chapter 7: Table of contents is missing Focus On section:

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105 F2A.6: The node numbers are difficult to read because the lines were pushed into the nodes. The correct figure is as follows:



260 F5.3: There are double lines on the entries at locations 1000 and 1100. The correct figure is:

Memory

800	900	R1	800
...			
900	1000		
...			
1000	500		
...			
1100	600		
...			
1600	700		

277 P13 and P14: The tables have double lines, similar to the error above on page 260.

March 2006 List

134 t2: forces both Q and Q' to 1 → forces both Q and Q' to 0

134 t3: $1 = Q' \rightarrow 0 = Q'$

162 P49: Should have no blue diamond

163 P51: Should have no blue diamond

240 P19: For example, to multiple → For example, to multiply

April 2006 List

328 b6: George Amdahl → Gene Amdahl

May 2006 List

538 P2: personal computer, why do → personal computer. Why do

June 2006 List

5 T1.1: 1 quintillionth = 10^{+18} → 1 quintillionth = 10^{-18}

52 t7: $167 + 947 = 114$ → $167 + 947 = 1114$

140 t15: function, d → function, δ

August 2006 List

211 E4.1: 10A Jump Loop → 10F Jump Loop

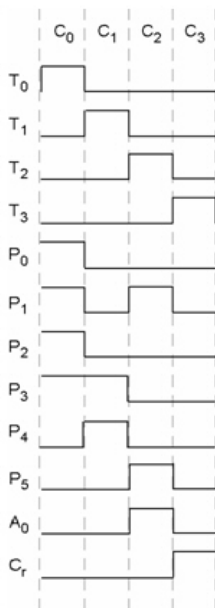
237 P6: 256KB × 8 RAM chips → 256K × 8 RAM chips

September 2006 List

216 t18: $P_0P_2T_1$: MBR ← M[MAR] → $P_3P_4T_1$: MBR ← M[MAR]

216 b12: At clock cycle C_1 , all signals except P_0 , P_2 , and T_1 are →
At clock cycle C_1 , all signals except P_3 , P_4 , and T_1 are

217 F4.16: In clock cycle C_1 , signals P_3 , P_4 , and T_1 should be high, nothing else, so replace Figure 4.16 with the following:



355 b6: spinning the disk faster → spinning the disk slower

March 2007 List

543 b14: System A is **n times as fast** as System B → System A is **n times faster than** System B

543 b6: performance of Car A is 1.25 times as fast as Car B → performance of Car A is 1.33 times faster than Car B

543 b5: $4/3 = 1.25$ → $4/3 = 1.33$

543 b3: Car A is also 25% faster than Car B → Car A is also 33% faster than Car B

543 b1: 25% → 33%

April 2007 List

5 b8: If a disk holds 1MB, then it holds 2^{30} bytes → If a disk holds 1MB, then it holds 2^{20} bytes

May 2007 List

63 t5: Examples using signed numbers are given → Examples using signed 2's complement numbers are given

63 T2.2: 0010 (-2) → 0010 (+2)

69 F2.4: for the 0.5 entry, replace the exponent 10000000 with 01111110
