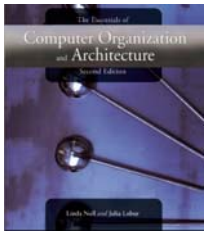


The Essentials of Computer Organization and Architecture
2nd Edition

Linda Null and Julia Lobur
Jones and Bartlett Publishers, 2006

Errata (2nd Printing)

To confirm you have the second 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

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

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`

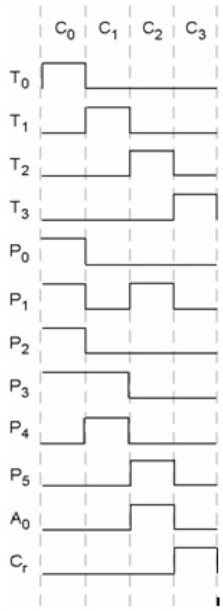
237 P6: 256KB × 8 RAM chips → 256K × 8 RAM chips

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

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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 T2.4: for the 0.5 entry, replace the exponent `10000000` with `01111110`

June 2007 List

477 F9.3: Three-Dimensional Hypercube → Four-Dimensional Hypercube

765 P7: $6 \times 2^{24} \rightarrow 6 \times 2^{12}$

October 2007 List

67 E2.27: Multiply → Assuming a 16-bit bias, multiply:

68: T2.3: In top row: 1000.001 → 10000.001

69: T2.4: Representation for 0.5: 10000000 → 01111110

122 t13: we AND the byte with 04h → we AND the byte with 04h (04_{16})

154 t24: Petgold, Charles → Petzold, Charles

November 2007 List

214 b1: P_0, P_1, P_0 → P_0, P_1, P_2

March 2008 List

304 t22: address 9 to the physical address 1230→ address 9 to the physical address 1239
