The Essentials of Computer Organization and Architecture
3rd Edition

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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
14 13 12 11 10   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

January 2011 List

p72 b8: Since we copy the sign bit from right to left → Since we copy the sign bit from left to right

p126 t14: the right hand side of the equation should read: $\overline{x}\,\overline{y}z + \overline{x}y\overline{z} + \overline{x}\,\overline{y}\,\overline{z}$

t17: $\overline{xyz} \neq \overline{x}\,\overline{yz}$ → $\overline{xyz} \neq \overline{x}\,\overline{y}\,\overline{z}$

p127 E3.4:   = x′ + 1 → = x′ + 0
             = x′ (Null) → = x′ (Identity)

p137 b0: in last figure: xy′ → x′y
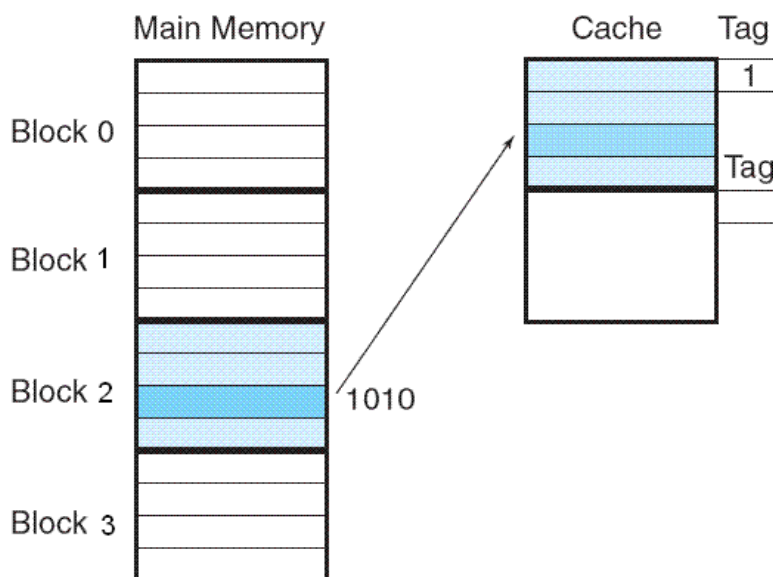
p261 P11.g: Repeat Exercise 6f → Repeat Exercise 9f

p324 b7:   From this we determine that that memory → From this we determine that memory is

p325 F6.4c: The blocks are not numbered correctly. Please see figure below.
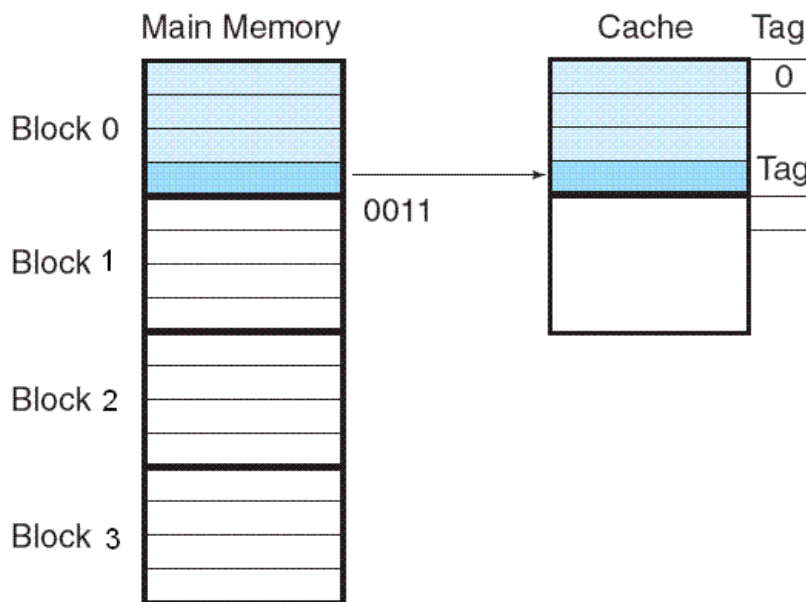
p325 F6.4e: The blocks are not numbered correctly. Please see figure below.

February 2011 List

p264 P23: Part a) should have a blue diamond as the answer is in the back of the book

p264 P25: Part a) should have no blue diamond as the answer is not in the back of the book

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March 2011 List

p109 E26: perform the following $\rightarrow$ perform the following operations on the given 8-bit numbers

p127 E3.4: $x'+1$ (inverse) $\rightarrow$ $x' + 0$ (inverse)

p241 F4.20: At time T1, signals P3 and P4 should be raised, NOT P4 and P5

p252 E4.5: EQU should be replaced with DD

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June 2011 List

p348 F6.23 (caption): 1211232A $\rightarrow$ 0011232A

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January 2012 List

p101 E2.40: bit 4 checks the parity over bits 4 and 5 $\rightarrow$ bit 4 checks the parity over bits 4, 5 and 6
The last four code words for the example should be:
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100001
100110
111000
111111
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p110 P29, P32, P35: mantissa $\rightarrow$ significand

p172 P15a: zyz' $\rightarrow$ xyz'

p657 F12.8: The packet with sequence #300 should also be retransmitted

p668 t1: networks often use $\rightarrow$ networks now infrequently use

p695 t1: bridge to more $\rightarrow$ bridge to a more

p698 t4: Many home computers come equipped with built-in modems. $\rightarrow$ Many home computer came equipped with built-in modems that directly connected into the system's I/O bus, although this is less common now as broadband service has been increasingly deployed and built-in modems are being used less commonly.

p700 t4: IEEE RS-232-C $\rightarrow$ EIA RS-232-C

p700 t9: the original RS-232-C $\rightarrow$ the RS-232-C

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