

ERRORS IN HACKER'S DELIGHT

Second Edition, First Printing

P. 12 line 9: “and 0’s elsewhere” should be “and 1’s elsewhere”.

—Soonbaek Yun

P. 37, Delete the last sentence in the second paragraph (“These remarks remain true if there is a “carry in”—that is, if we are computing $x + y + 1$.”).

—Jasper Neumann

P. 97: Line 3 should read “own inverse, $y_i \oplus y_j$ is the parity of bits $i - 1$ through j of x , for $i \geq j$.”

—Michael Pyne

P. 120, 9th line up from bottom: Needs a “)” between the “4081” and the “>>”. That is, the line should be (note the thin spaces etc.):

```
return table[(y*0x0002040810204081) >> 56];
```

—Jasper Neumann

P. 144, 12th line up from bottom: change “no” to “little”, so that it reads “... has little instruction-level parallelism.”

—Jasper Neumann

P. 220, first of the three equations in the middle of the page: the “3” should have an exponent of 2, so that it reads “ $2^{15} + 1 = 3^2 \cdot 11 \cdot 331$ ”.

—Jasper Neumann

P. 489: Replace the last two index entries for M with the single entry:

MUX (multiplex) operation, 42, 56, 131, 163, 406

—Jasper Neumann

P. 494, last line: “Zero means $2n$ ” should be “Zero means 2^{*n} ”.

Actually, an exponent would be preferable here. This would require changing “ $2n$ ” to 2^n in the index entry, and changing “ 2^{*n} ” to 2^n in the section heading on page 22, and in the TOC entry on page vii.

Non-substantive errors (typographical etc.)

P. 5, Table 1-2, line beginning “addis”: Change the expression “`I | | 0x0000`” to “`I << 16`”. (Retain the parentheses.)

—Jasper Neumann

P. 17, Table 2-1: Would be nice if the second and third columns were separated by a heavier vertical line than is used elsewhere in this table.

—Jasper Neumann

P. 41, lines 9-12: The text to the left of the “//” should be lined up on the same horizontal line as the text beginning with “//”.

—Jasper Neumann

P. 43 line 19, 65 line 5, and 430 line 8: Change “GPR” to “register”.

—Jasper Neumann

P. 47, graphic near top of page: Would be preferable if only the B and D blocks had a gray background, and if the A, C, and E blocks had a white background.

—Jasper Neumann

P. 73 last line before Section 4-3: Delete the word “either”, so that it reads “... that is, if u or v is **true**.”

—Jasper Neumann

P. 137, line 4: Delete “the,” so that it reads “... including one *multiply*”

—Jasper Neumann

P. 148, first line of Figure 7-8: Needs a space after `>>`. That is, “`>>j`” should be “`>> j`”.

P. 264, Figure 10-23 line 4: Add the text “// (Signed shift).” so that the “//” lines up with that on the previous lines.

—Jasper Neumann

P. 391 lines 19 and 22, and p. 393 line 4: The large decimal numbers should have commas, that is: 6,700,417 and 274,177 and 67,280,421,310,721 and 203,005 and 203,000.

—Jasper Neumann