

Errata in Copi & Cohen *Essentials of Logic*

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These are all the misprints I know of so far. If you have spotted any others please let me know.

Harmless typos are in small type.

- p. *i* ‘LAI’ should read ‘IAI’. (This mistake seems to have been inherited from the front endpapers of C&C 11th Ed. It also appears in the 12th edition.)
Rule 6 at the foot of the page is not the same as the rule given in the text. It should read ‘From two universal premises no particular conclusion may be drawn’, as on p. 126.
- p. *ix* ‘Mddle’ should read ‘Middle’.
‘4.5 Exercises’ appears as a section heading, but refers to the exercises from §4.6.
- p. *xi* ‘Quatified’ should read ‘Quantified’.
- p. *xii* ‘Prpositions’ should read ‘Propositions’.
- p. *xv* The publication date of the first edition of Copi is stated as 1949, rather than 1953.
- p. 29 ‘① They are the wrong ...’ should read ‘③ They are the wrong ...’ and ‘... ②, ①, and ④ ...’ should read ‘... ②, ③, and ④ ...’, at respectively the fourth and eighth lines of the example.
- p. 30 In the first example, four lines down, ‘① Eyewitnesses place ...’ should read ‘③ Eyewitnesses place ...’.
In the second example, three lines down, ‘...but ① it also ...’ should read ‘...but ③ it also ...’.
- p. 33 Line 5: ‘① Because students ...’ should read ‘③ Because students ...’.
- p. 83 ‘**A:** All S^U are P^U ’ should read ‘**A:** All S^D are P^U ’.
- p. 106 Second diagram down on the right, ‘ $\bar{S}P \neq 0$ ’ should read ‘ $S\bar{P} \neq 0$ ’;
Fourth diagram down on the right, ‘ $\bar{P}S \neq 0$ ’ should read ‘ $PS \neq 0$ ’.
- p. 118 Diagram at foot of page: the region $S\bar{P}M$ should be shaded in the same way as the region $\bar{S}PM$, and not cross-hatched.

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- p. 122** Rule 1, as stated, contradicts the practice elsewhere in the chapter: swap ‘left’ and ‘right’.
- p. 124** The two occurrences of ‘some rocket scientists’ nine and fifteen lines from the foot should both read ‘all rocket scientists’.
- p. 129** The arrow under ‘Is there a negative premise?’ should be labeled ‘NO’.
- pp. 140–70** ‘Ordinary’ is misspelt as ‘Ordianry’ in the verso header throughout Chapter 5.
- p. 144** Two lines from foot: ‘standard E proposition’ should read ‘standard I proposition’.
- pp. 171 f.** Warning: This is a highly unorthodox usage of ‘classical logic’ at variance with the modern definition.
- p. 174** For internal consistency, the formalization of ‘Tyrell gets down **if and only if** Bob sings the blues.’ in the bottom right corner of the table should be ‘ $D \equiv S$ ’, not ‘ $T \equiv S$ ’.
- p. 191** ‘parallel’ is misspelt as ‘parellel’.
- p. 198** Diagram: $\sim (A \bullet (X \vee B))$ should read $\sim (A \bullet (X \vee \sim B))$.
Exercise 3 should read: $\sim [\sim A \vee (B \bullet C)]$. The first ‘(’ is redundant.
- p. 199** Exercise 23: ‘ $\bullet \supset$ ’ should be replaced by ‘ \bullet ’ (or ‘ \supset ’, but that would produce an answer not matching the solutions manual).
Diagram at foot of page: the ‘T’ at the bottom left should be an ‘F’. (The values for p are given as ‘T’ and ‘T’, not ‘T’ and ‘F’.)
- p. 200** Diagram: the ‘T’ at the bottom left should be an ‘F’. Same error as above.
- p. 204** Diagram: the ‘T’ at the bottom left should be an ‘F’. Same error as above.
- p. 205** Diagram badly garbled. ‘ $[\sim (p \bullet q) \equiv (p \supset q)]$ ’ should read ‘ $[\sim (p \bullet \sim q) \equiv (p \supset q)]$ ’. The row under it should read ‘T f T T’ not ‘F t T F’, and the row under that should read ‘F t T F’ not ‘T f T T’.
- p. 208** Diagram at foot of page: Bottom row, third column (the value of $p \supset q$ when p and q are both F) should be ‘T’, not ‘F’.
- p. 221** ‘32 (or 64!)’ should read ‘16 (or 32!)’.
- p. 223** Diagram headed ‘Formal Proof: Third Inference’: right hand column, third line up should read ‘4. $A \vee D$ ’ not ‘4. $A \vee B$ ’.
- p. 253** The last line of the displayed argument should read ‘ $\therefore Ms$ ’, not ‘ $\therefore Sx$ ’.
- p. 327** ‘hairs samples’ should read ‘hair samples’.
- p. 344** 6th line from foot: ‘1. Some great boxers are people that are Mohammed Ali’ should read ‘1. Some great boxers are not people that are Mohammed Ali’.

p. 358 3rd line from foot: ‘8. 1, 7, H.S.’ should read ‘8. 7, Simp.’

p. 359 Several errors in solution to problem 45 (from p. 228). Should read:

1. $(T \supset U) \bullet (V \supset W)$
2. $(U \supset X) \bullet (W \supset Y)$
3. T
 $\therefore X \vee Y$
4. $T \vee V$ 3, Add.
5. $U \vee W$ 1, 4, C.D.
6. $X \vee Y$ 2, 5, C.D.

p. 364 Solution to question 20 is garbled in various ways. Should read:

Where: $Px = x$ is a person; $Sx =$ there is something that x doesn’t like;
 $Nx = x$ doesn’t like Willie Nelson:

$(x)(Px \supset (Sx \bullet \sim Nx))$

or equivalently $(x)(Px \supset Sx) \bullet (x)(Px \supset \sim Nx)$

Solution to question 30 should read $(\exists x)(\sim Ux \bullet \sim Vx)$.

p. 373 The table of special symbols appears as part of the ‘Solutions to Selected Exercises’ when I presume it was supposed to be part of the glossary.

p. 376 Definition of ‘Aristotelian logic’: delete ‘symbolic’.

p. 396 ‘Probability Calculations’? This is the sole occurrence of this material, mistakenly carried over from C&C 11th Ed.

p. 397 Rules of Inference: ‘v’ is used for ‘v’ throughout; ‘p’ is used for second occurrence of ‘p’ in Double Negation.