

# Introduction to Mathematical Logic

(Extended Edition)

## errata

1. **p.91.** Exercise 2.10, in the second line, "... implies  $f(X) \subseteq F(Y)$ ." should be: "... implies  $f(X) \subseteq f(Y)$ ."

2. **p.111.** Several occurrences of "may not" should be changed to "does not", namely, at lines::

10-11: "... on  $x$  but may not halt..." should be "... on  $x$  but does not halt..."

-13: "...YES, but may not halt..." should be "...YES, but does not halt..."

-9: "...NO, but may not halt..." should be "...NO, but does not halt..."

3. **p.180.** Exercise 6.4, the boolean table for  $\uparrow$ . The **1** and **0** along the diagonal should be swapped, i.e., the table should be:

$x \uparrow y$	<b>1</b>	<b>0</b>	: $y$
$x$ : <b>1</b>	<b>0</b>	<b>1</b>	
<b>0</b>	<b>1</b>	<b>1</b>	

4. **p.273.** The example rules i) and ii) should have added  $\Gamma$  to the left of  $\vdash_{\mathcal{N}}$  ... They illustrate general situation, and not only when the example formulae are provable without any  $\Gamma$ .