ERRATA

• Page 15: The definition of composition is incorrect since e.g. the composition of $\{X/a\}$ with itself results in ϵ according to definition 1.20. The definition should be as follows:

Let θ and σ be the substitutions

$$\theta := \{X_1/s_1, \dots, X_m/s_m\},\ \sigma := \{Y_1/t_1, \dots, Y_n/t_n\}.$$

The composition $\theta\sigma$ of θ and σ is obtained by taking the union of

$$\{X_1/s_1\sigma,\ldots,X_m/s_m\sigma\}$$
 and $\{Y_1/t_1,\ldots,Y_n/t_n\}$

after removing all $X_i/s_i\sigma$ such that $X_i = s_i\sigma$, and all Y_i/t_i such that $Y_i \in Dom(\theta)$.

(Pointed out by Wlodek Drabent.)

- Page 96: All occurrences of t' should be replaced by n.
- Page 236: The claim that naive(magic(P)) terminates whenever naive(P) terminates is wrong! For instance, let P be:

$$p(X) \leftarrow p(s(X)).$$

• Solution 7.12: A correct(?) answer is:

(Error pointed out by Jørgen Fischer Nilsson and Morten Lindegaard.)

- Page 166: All occurrences of *prod_rule/1* should read *prod_rule/2*. (Pointed out by Jørgen Fischer Nilsson and Morten Lindegaard.)
- Solution 6.5: "\geq" should read "\leq".

 (Pointed out by Jørgen Fischer Nilsson and Morten Lindegaard.)
- Page 252: The definition of a function is incorrect. Should read "...if whenever f(z, x) and f(z, y) then x = y.

 (Pointed out by Walter Vieira.)