Errata for BSc Thesis: Efficient Graph Rewriting

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This document lists errors found in the final version of the thesis [1], together with corrections.

In Example 1.8, the type of the semantic function "f_T" is not given correctly. The codomain should be the powerset of the state space "$\mathcal{P}(\Sigma)$".

In Lemma 2.2, a condition was imposed on the labels, however a similar condition needs to be imposed on the rootedness: $\forall v \in V_R, |p_R(\{v\}) \cup p_D(d_V(b_V^{-1}(\{v\})))| \leq 1$.

In Definition 2.16, the statement "$f(K_1) = g(K_1) = K_2$" is meant to read "$f|_{K_1} = g|_{K_1}$ and $f(K_1) = K_2$".

In Definitions 4.3 and 4.4, "confluence modulo garbage" is meant to read "confluent modulo garbage".

In Lemma 4.8, the statement "e is an **injective functor**" is meant to read "e is a **fully faithful covariant functor**".

References

[1] G. Campbell, "Efficient graph rewriting," BSc Thesis, Department of Computer Science, University of York, UK, 2019. [Online]. Available: `https://cdn.gjcampbell.co.uk/2019/BSc-Project.pdf`.