Abstract

Categories and Subject Descriptors F.4.1 [Mathematical Logic and Formal Languages]: Mathematical Logic—Proof Theory; I.2.2 [Artificial Intelligence]: Automatic Programming—Program Synthesis

General Terms Languages, Theory

Keywords Functional Programming, Proof Search, Program Synthesis, Type Theory

- 1. Introduction
- 2. Alternate Languages of Regular Expressions
- 2.1 Regular Expressions
- 2.2 Examples
- 2.3 Exampled Regular Expressions
- 2.4 DNF Exampled Regular Expressions
- 3. Alternate Languages of Lenses
- 3.1 Lenses
- 3.2 DNF Lenses
- 4. Search Strategy
- 4.1 Equivalence Relation
- 4.2 Distance Metric
- 5. Implementation
- 6. Related Work
- 6.1 FlashFill
- 6.2 FlashExtract
- 6.3 SemFill
- 7. Future Work
- 7.1 Complex Data Structures
- 7.2 Richer Classes of Lenses

Acknowledgments

References