

Bar-Hillel Theorem mechanization in Coq*

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Abstract

Text of abstract

Keywords keyword1, keyword2, keyword3

1 Introduction

Foundation in some areas: graphs, code analysis, etc. Why is it important to proof B-H in Coq? Bar-Hillel theorem is a main on Ė. Short overview of current results.

2 Related Work

All results you use in your work. All relevant results in this field (excluded this work). Smolka, smb else.

As a result of this section we should conclude, that (1) this problem is open (2) it is important to solve this problem.

3 B-H in Coq

Main part. What did you do and how. And, possible, why. Problems, nontrivial solutions, etc.

*with title note

†with subtitle note

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3.1 Smolka's code generalization

3.2 General scheme of proof

3.3 Part one: regular language and automata

3.4 Part two

3.5 Part N: final step

4 Conclusion

Short resume of main part (main results formulation). Future work: what you plan to do? GLL [1] GLL for graphs Other algorithms on regular and context-free languages intersection.

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References

- [1] Elizabeth Scott and Adrian Johnstone. 2010. GLL parsing. *Electronic Notes in Theoretical Computer Science* 253, 7 (2010), 177–189.

A Appendix

Text of appendix ...