One more step towards Easy Answer Set Programming (Invited Talk)

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Abstract

Answer Set Programming (ASP) is a well-established approach to declarative problem solving, with many applications in academia and industry. In this talk, I present Easy ASP, a methodology aimed at making ASP easier to learn. The main idea is to restrict the forms of recursion that are allowed. This restriction leads to a simple definition of the answer sets of a logic program and a corresponding graphical interpretation. I illustrate the methodology with several examples and give a formal definition that captures this interpretation. I also present *viasp*, an interactive tool for visualizing the answer sets of a logic program, inspired by Easy ASP. It provides a simple but structured view of answer sets and allows users to navigate easily within and between them.

Keywords

Answer Set Programming, educational tools, interactive visualization

Declaration on Generative AI

During the preparation of this work, the author used GPT-5.6 to improve the grammar and check the spelling. After using this tool, the author reviewed and edited the content as needed and takes full responsibility for the publication's content.

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