

The aim of that work is to implement external environment for cognitive architecture Soar that can be used for testing Soar agents. That environment should be flexible enough to render research testing for different types of Soar agents. The program should also allow the researcher to combine new environments from already existing objects and environments without any modifications of code. An inseparable part of such an environment is communication between the environmental kernel and the Soar kernel.

The work also contains theoretical principles of Soar, description of some similar programs and comparison with them.