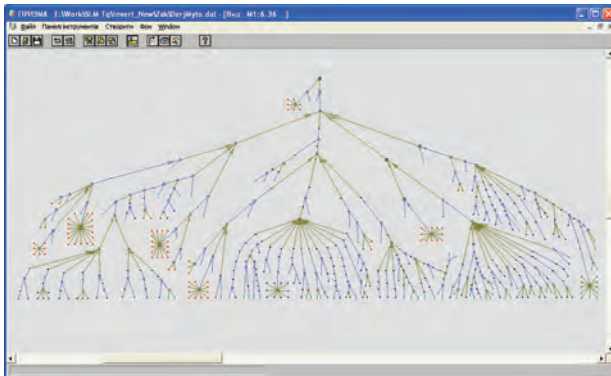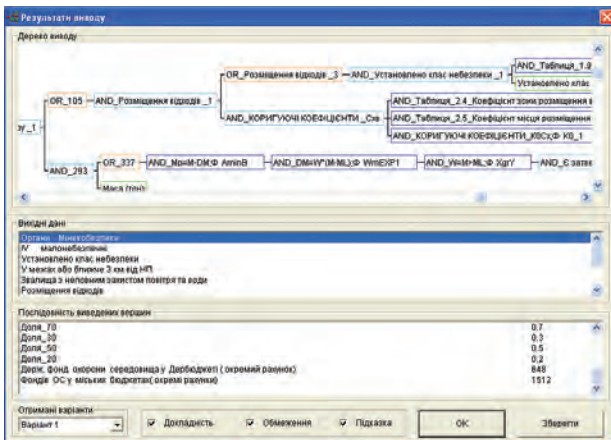# INTEGRATED SOFTWARE TOOL ENVIRONMENT FOR KNOWLEDGE REPRESENTATION AND PROCESSING (SLM-TECHNOLOGY)

Example of knowledge representation in logical-computing semantic network by means of SLM-technology

Example of display of inference results by means of SLM-technology

Areas of Application

The product is to be used for representing and processing clear and fuzzy knowledge about the subject areas in which the tasks are reduced to diagnosis, interpretation, evaluation, repair, monitoring, and so on

Specification

The SLM-technology provides representation of procedural-declarative knowledge using the newest knowledge representation model (logical-computing semantic network) and knowledge processing by the forward-chaining method. The SLM-technology enables to automatically perform static verification of represented knowledge, which ensures consistency and integrity of represented knowledge, as well as generation of set of test cases required for the empirical testing of represented knowledge

Advantages

Unlike the well-known analogs, this product enables representing and processing both clear and fuzzy knowledge; correctly solving the tasks of automatic detection of factual errors in represented knowledge; and supporting the empirical testing of represented knowledge

Stage of Development. Suggestions for Commercialization

IRL6, TRL4
Customization of SLM-technology, upon request

IPR Protection

IPR1, IPR3

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