# The Semantic State Machine

Meet the semantic state machine (). It understands basic language. It has subroutines which recognize words, figures of speech and expressions. It parses thoughts expressed in basic . It learns new words, new expressions and new concepts through making inferences, conjectures and hypotheses which will prove or refute with future data.

can be in one of multiple operating modes which can be refined by learning: building inferences (problem solving) mode, empirical relation discovery (art) mode, resource preserving mode (practicality) and custom modes learned with experience.