

SOAR

CIS 488/588

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Behavior Modeling

- Production rules can be used to model problem-solving behavior
 - Short term memory holds WM assertions
 - Long term memory holds production rules
- Derived from protocol analysis (e.g. studying transcripts of recorded “think out loud” problem solving sessions)

Behavior Modeling

- State of knowledge
 - what the subject knows
- Problem behavior graph
 - trace of subject moving through states of knowledge
- Problem solving
 - search through network of problem states