

# Robotics Discussion

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# So Far

- Interaction
- Instruction
- Planning
- Action Modeling
- SLAM

# Higher-level Tasks

- Learning to make plans
- Switching lights, opening doors
- Picking up and dropping objects
- Interaction
  - Explaining motivation
  - Following instructions
  - Asking / answering questions
  - Absorbing information

# Lower-level Tasks

- Mapping, localization
  - Abstract, connected nodes (working memory)
  - Approximation of continuous space (SLAM)
- Pathfinding and navigation
  - To a room or object
  - To an x/y coordinate

# Other Tasks?

- Capabilities?
  - High-level?
  - Low-level?
- Domains?
  - Real-world?
  - Virtual?

# Future Work — Integration

Of the areas we've explored so far, which are natural complements to each other?

What tasks / domains are appropriate for exploring integration?

# Future Work — Soar

- What can Soar do that other systems don't?
- What does the robot domain allow that other domains don't?
- **Synergy!!!**