Good Afternoon, Colleagues

Are there any questions?
Logistics

• Programming assignment 4
  – Help each other!
  – Start thinking about pairs
Class Discussion

Ben Bradley on an architecture for humanoid robot soccer players
Reactive Behaviors

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- Is there a model?
- Is there lookahead/planning?
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- Reactive: can *react* (to changing environment)
- It’s not as much the behavior, as how it’s done
- Is there a model?
- Is there lookahead/planning?
- Examples of reactive soccer-playing behaviors?
- Examples of non-reactive soccer-playing behaviors?
NOTE TO SELF - GET THE RULES DOWN: CAN PENGUINS KILL MONSTERS WITH ICE BLOCKS?

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- Can kill them with ice blocks
- Monsters can kill you with ice blocks too
Pengi

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Group 1: Design a Pengi controller using subsumption
Group 2: Design a Pengi controller using TCA
Representation

• Necessary?

“We hypothesize that much of even human level activity is similarly a reflection of the world through very simple mechanisms without detailed representations.”
Merkwelt

- Merkwelt ∼ “perceptual world”
- Every agent has its own Merkwelt.
- Why should robots use a representation based on our Merkwelt?
- Do we know our own Merkwelt?
“When researchers working on a particular module get to choose both the inputs and the outputs that specify the module requirements I believe there is little chance the work they do will fit into a complete intelligent system.”

Does this apply to TCA?
Could Simmons have used subsumption?

- Why or why not?
Exercise

• Differences between creatures, TCA