Good Afternoon, Colleagues

Are there any questions?
Logistics

- Programming assignment 4
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  - 2D assignment
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● Final exam time: Monday Dec 17, 2-5 pm
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  – Final tournament and oral project presentation
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• Talks in the department:
Logistics

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• Talks in the department:
  – Julian Bishop, PhD Proposal, Friday at 11am (ENS 31NM)
  – “Evolutionary Feature Discovery for Online Reinforcement Learning”
ACL Desiderata
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Form: simple, readable, concise, easy to parse and generate, extensible
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Environment: interoperability with other languages

Reliability: reliable, secure, authentication possible, error handling
{Per,Il}locution

**Locution:** What is said (physical)
{Per,Il}locution

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**Illocution:** What is meant
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Example: “Please close the window.”
Perlocution

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Example: “Please close the window.”

Illocution – Performatives
Three-layer organization

- Content: free-form (domain-dependent)
Three-layer organization

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- **Communication**: who is sending, etc.
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- Message: performatives and fields (standard)
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  :content (PRICE IBM 14)
  :receiver joe
  :in-reply-to ibm-stock
  :language LPROLOG
  :ontology NYSE-TICKS)
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ACLs – Current Landscape

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- There are different options
- Subtle differences
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  - What are the pros and cons?
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- Sample FIPA applications on resources page
Soccer server communication

- What is the soccer server communication protocol?
- How does it relate?
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An example protocol
Communication Disruption

How could an opponent team disrupt team communication?
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Actual instances