CS395T Agent-Based Electronic Commerce Fall 2003

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Logistics

• Any questions?



Flight costs and benefits

- Cost is how much prices are expected to rise
 - *flight-lookahead* parameter
- Benefit is how likely you are to change your mind as prices become clear.
 - Hotel A will be either \$10 (40%) or \$100 (60%)
 - When \$10, flight X is \$250 better, else flight Y is \$250 better
 - If buy now, buy flight . . . Y
 - Benefit of postponing?
 - 40% * \$250 = \$100



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- What happens if there are lots of livingagents (openloop)?
- Why would open-loop do better with small price variances?



Making these Domains

- How do you make the rules without first having real agents?
- What is the process?



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- Except ... UMich sacrificed likelihood to kill that strategy



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- Ended up with bimodal distribution of game types



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- Is there an optimal strategy?

