## CS344M

# Autonomous Multiagent Systems Spring 2008 

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## Good Afternoon, Colleagues

Are there any questions?

## Logistics

- Welcome back!


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- Progress reports due in 2 weeks


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- Welcome back!
- Progress reports due in 2 weeks
- Game theory resources


## Game Theory

- Multiagent systems
- Economics
- Social science, law, etc.


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- But most of all, we want to be together
- Propose a payoff matrix


## Bach/Stravinsky

Wife
S
B
S $\quad 2,1$
0,0

Me
B
0,0
1,2

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- We each put a penny down covered
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$$
\text { Player } 2
$$

$$
\begin{array}{lll}
\mathrm{H} & 1,-1 & -1,1
\end{array}
$$

Player 1

$$
\begin{array}{ll}
\mathrm{T} & -1,1
\end{array}
$$

$$
1,-1
$$

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$$
\text { Player } 2
$$

$$
\begin{array}{lll}
\mathrm{H} & 1,-1 & -1,1
\end{array}
$$

Player 1

$$
\begin{aligned}
& \text { T } \quad-1,1 \\
& \text { Nash equilibrium? }
\end{aligned}
$$

