

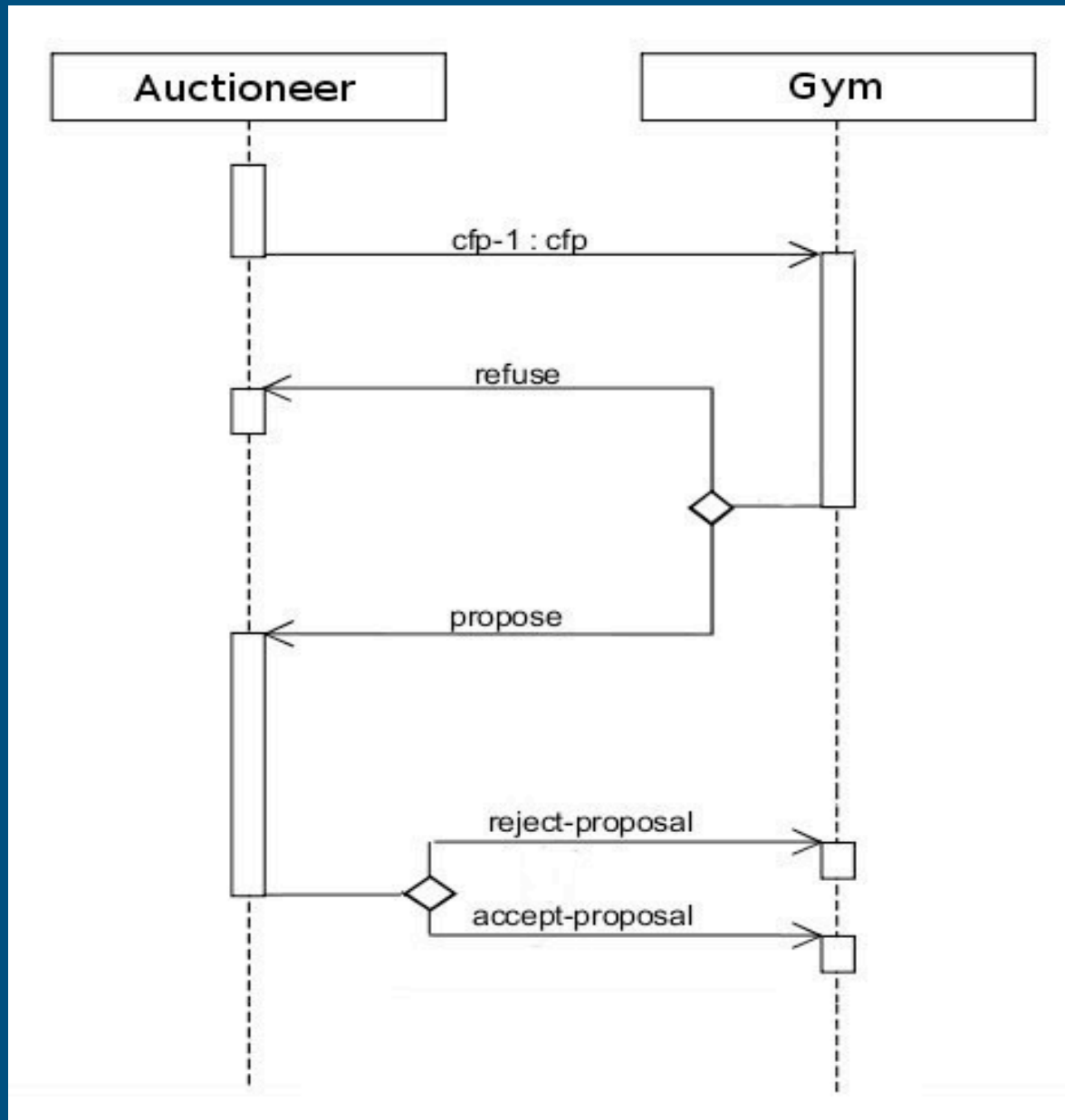


Intelligent Multiagent Systems 2009

Contract Net for Choosing the Best Gym

presented by
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- Find the best gym available for a volley match for a given date and a given pair of teams
- The interaction between agents is modeled as a contract net
- There are two types of agents:
 - Auctioneer agent
 - It knows about teams and the scheduling of the matches
 - Gym agent
 - It knows about its positions and its cost
- The best gym for a match is the one that:
 - Is available for the given date
 - The cost is not greater than the maximum cost that each team is disposed to pay
 - The distance is not greater than the maximum distance that each team is disposed to cover
 - The sum of the distances and the cost is the lowest



- Agents:
 - 1 Auctioneer agent
 - 3 Gym agents
- Matches:
 - Team 1 vs Team 2 15 May 2009
 - Team 3 vs Team 4 10 April 2009
 - Team 3 vs Team 4 15 May 2009

