

CSE475 Gameday #3 Strategy

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November 28, 2007

1 Blackboard Strategy

There are a few things that we need to keep in mind during this round. First, we have to be very clear in our communication, otherwise we may lose meaning since we do not have the benefit of using hand gestures. Next, if reporting is free, a high level of verbosity is preferred because the more information we have, the easier it is to utilize it. And, finally, items may be ranked on their utility, but they can also be ranked by how difficult they are to find. Any items that are very difficult to find will have a higher potential worth towards the end of the round, especially to agents that want to maximize their goals.

That said, our strategy is fairly straightforward. Whenever we find one of our own items, we pick it up, regardless of its value. If we find an item belonging to another team, we call it in to be posted on the blackboard. The price we post for each item is based on the estimated utility as well as how difficult it was to find.

Cost of communication may be a hindrance to this plan. If each call costs us money, we need to gather as much information as possible before we make any call. If each post on the blackboard costs money, we need to pick our prices in a very stable manner in order to profit on as many posts as possible without hurting ourselves in the long run.

2 Negotiation Strategy

There are some differences in this round that need to be taken into account. First, communication amongst team members is less of an issue, but it is more difficult to successfully negotiate with other agents. Next, the opportunity to sell items is greatly reduced, as we must be face-to-face with each group we want to negotiate with. Finally, the difficulty of finding an item plays a smaller part as there are more people roaming around, and more opportunity to observe where everyone is looking.

Our strategy for this round is similar to what we are doing in the Blackboard round. If we find one of our items, we pick it up, and if we find an item belonging to another group, we take note of it for later negotiations. In addition, we will attempt to be discrete about when and where we find any items in order to

minimize other agents' knowledge base. Finally, we will put more emphasis on finding our own items, rather than negotiating with other teams about where to find them.