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Group: 1

Hello,

It seems you have made great progress on your modelling project in the past month. I like the premise and I feel it will give you an enticing and somewhat challenging coding experience. Below, I will cover some general feedback as well as your requested feedback.

General Feedback:

First-Order Extensions:

    - Regarding the First-Order Extension in the draft, you covered multiple examples and effectively demonstrated the idea of first-order extensions and how they apply.

Jape proofs:

    - The existing jape proofs are great and demonstrate a good understanding of how to model the game scenarios logically. You extensively describe what each jape proof means, which helps the reader understand it without having to solve it themselves.

Code:

    - Your code is well organized and commented. This helps an outside observer more effectively understand what the code is doing.

Requested Feedback:

- As this project stands, the logic model only counts if there is (or isn't) a seed in hand. I.e.: if there is at least one seed in hand the proposition is true, else false. Does this run into any perceivable logical errors?

  > I believe that this makes sense as it is a very logical statement. You are either holding seeds or you aren't. I can't anticipate any logical errors that would come from this.

- Following this project's line of logic, do the four constraints seem complete and thorough? Is there any areas where the constraints may be lacking?"

  > Your constraint of "a pocket must have seeds in it" confuses me, given that if a player's last deposit lands in an empty pit they claim the pieces in the opposite pit. For this to happen an empty pit would have to exist. Perhaps you intended for this to only apply at

the very beginning of the game. Otherwise, your constraints are well-written and thorough.

- Overall, on the topic of project complexity; does this project seem to be in the correct scope for this assignment?

    I would say that overall this is a perfectly reasonable complexity for this project and seems to be in the correct scope of the assignment.

In conclusion, your group has made tremendous progress and the only suggestion I have is to clarify your constraints.