

Assignment 3 Writeup

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October 2022

1 Questions

- **On average, how long does a game of dreidel with 6 players and 4 coins last? What is the longest game, and what is the shortest game?** - Using my program a game of dreidel with 6 players and 4 coins lasted 586 rounds with the random seed 613. My game also produced “Batsheva 2 1 1 4” as my shortest game and my longest game was “Hannah 8 20 23406 613”.
- **On average, how long does a game of dreidel with 6 players and 4 coins last? What is the longest game, and what is the shortest game?** - Using my program a game of dreidel with 6 players and 4 coins lasted 586 rounds with the random seed 613. My game also produced “Batsheva 2 1 1 4” as my shortest game and my longest game was “Hannah 8 20 23406 613”.
- **If there are more players, does the game last more or fewer rounds? Experiment with 3 coins per player to test your idea.** - I found that having more players per round resulted in many more rounds than the latter, experimenting with the coin value of 3 and different player counts supported this argument. Ranging from 2-8 players I got “13, 97, 45, 62, 79, 457, 346” While the results would sometimes fluctuate they ultimately produced the same as I expected them to. Excluding the outliers, it ultimately followed what I hypothesized. 3”.

2 Main Program

- **Dreidel the game** - ah.