Simulation Description:

According the NBA rules, each pair of teams will play 7 games, with the 1st,2nd,5thand 7th games played in Team A’s home field, and others in Team B’s home field. One round will end until one of the team has won 4 games and become the winner.

Based on our model, given two teams Team A and Team B, we will have two probabilities based on whether Team A plays in the home filed. According to the schedule and playoff rules, we simulated the result for each game and predicted the winners for each layer, from the first round: 8 teams in both Western and Eastern Conference, to the final layer: only 1 team left in both Conference and fight for the championship.

Importantly, in each layer, we can update our features and wining probabilities by incorporating the most up-to-date data. And as the real games go on, we can correct the winner of each round and continue the simulation process.