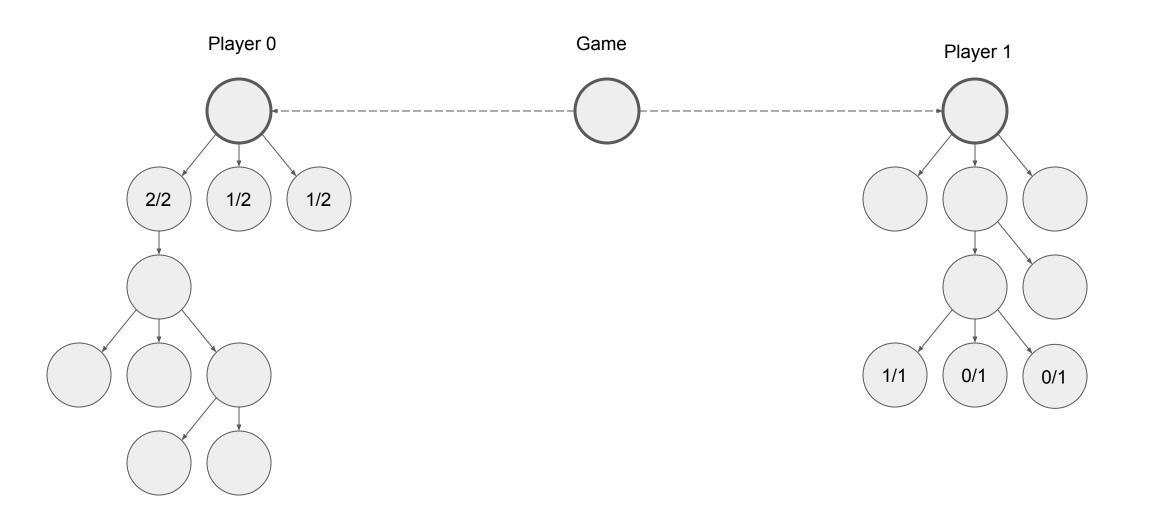
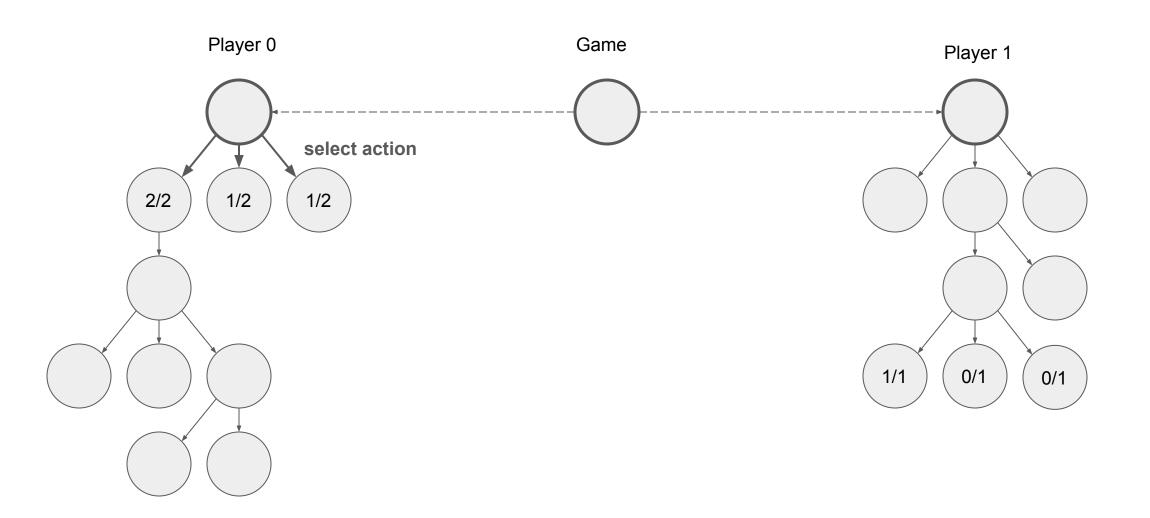
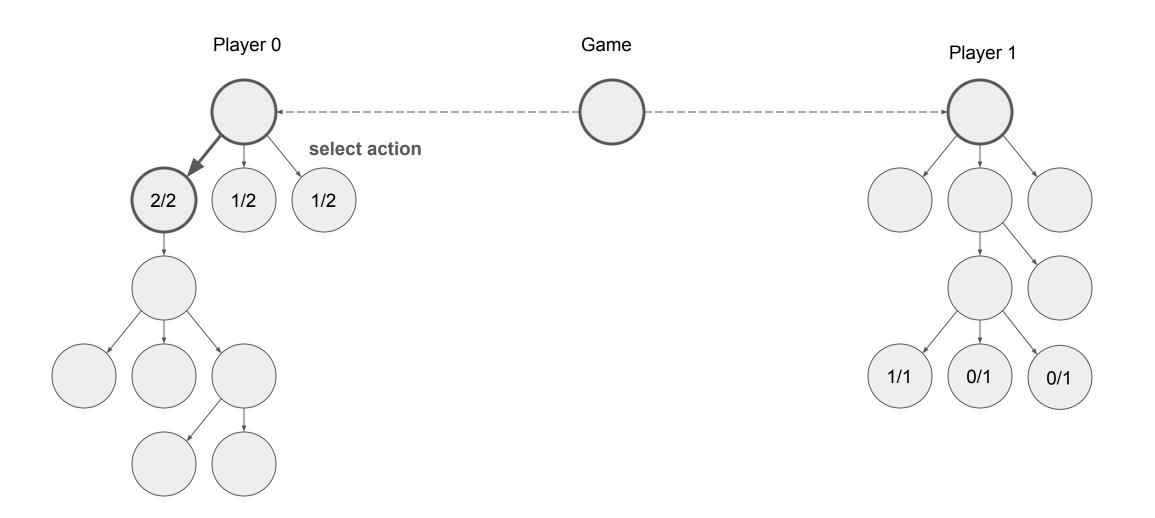
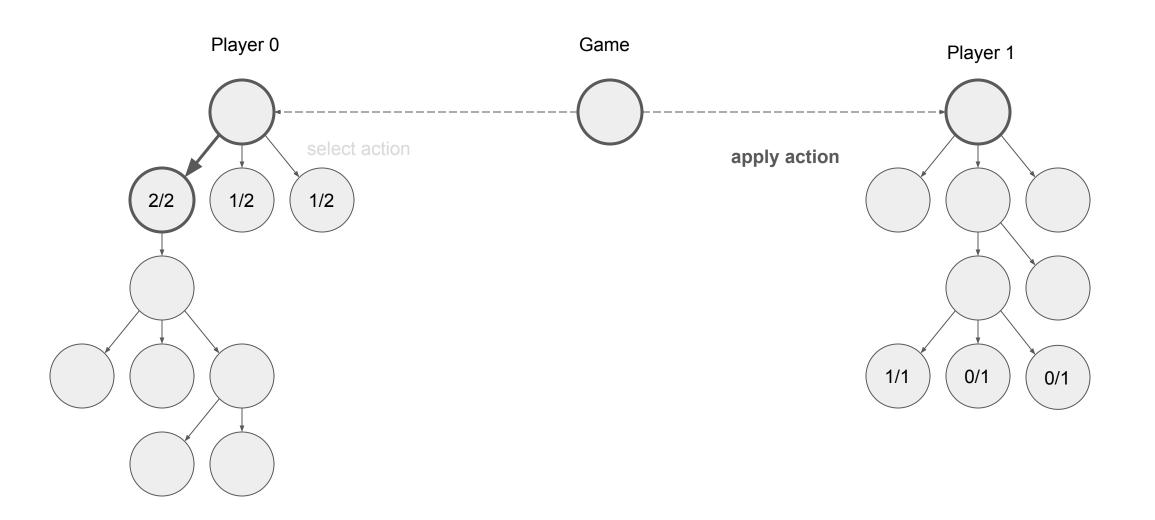


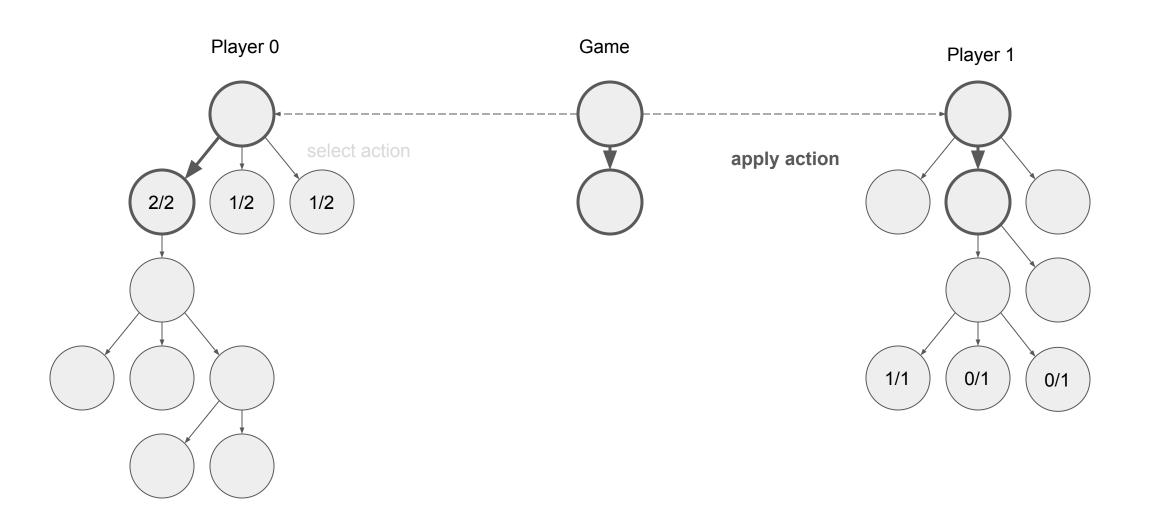
The tree distinguishes between neutral-nodes and post-action-nodes. We only need to keep track of win statistics for post-action nodes.

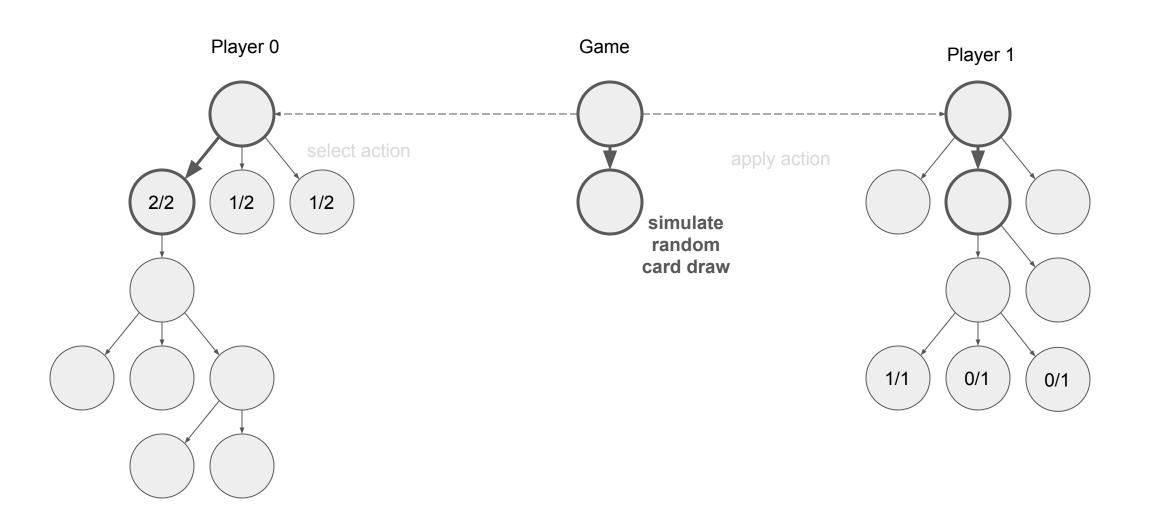


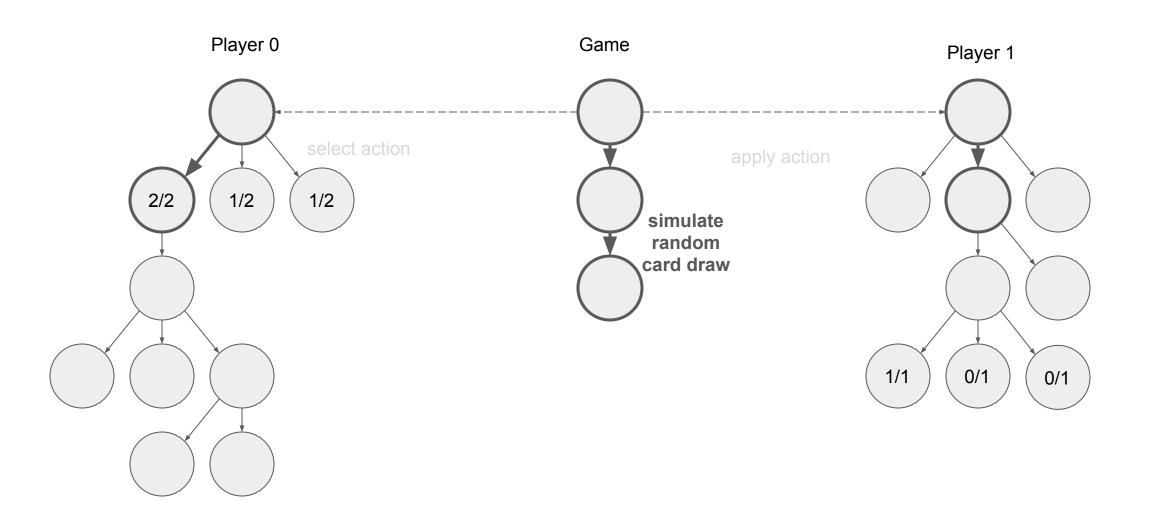


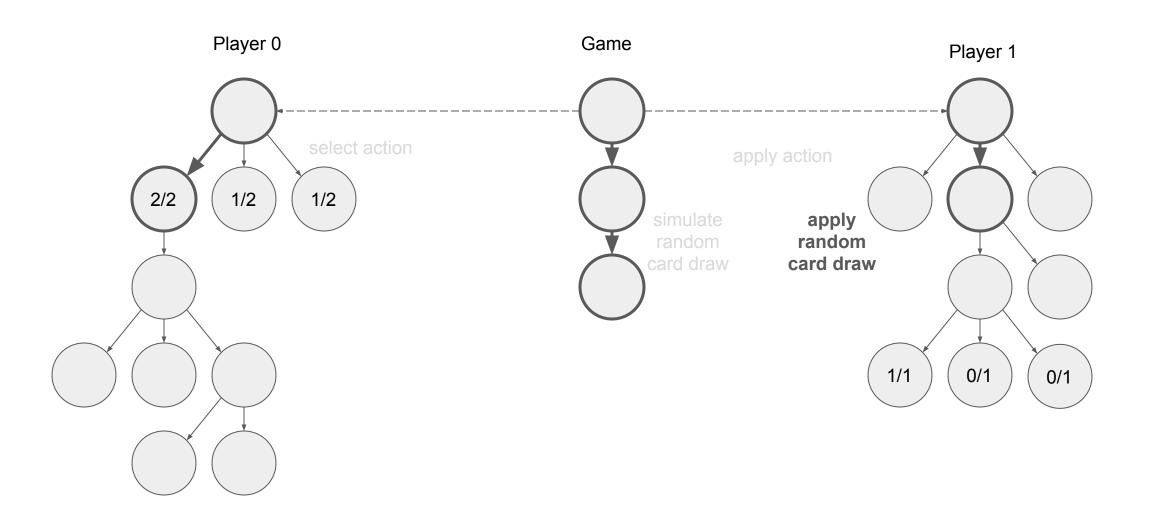


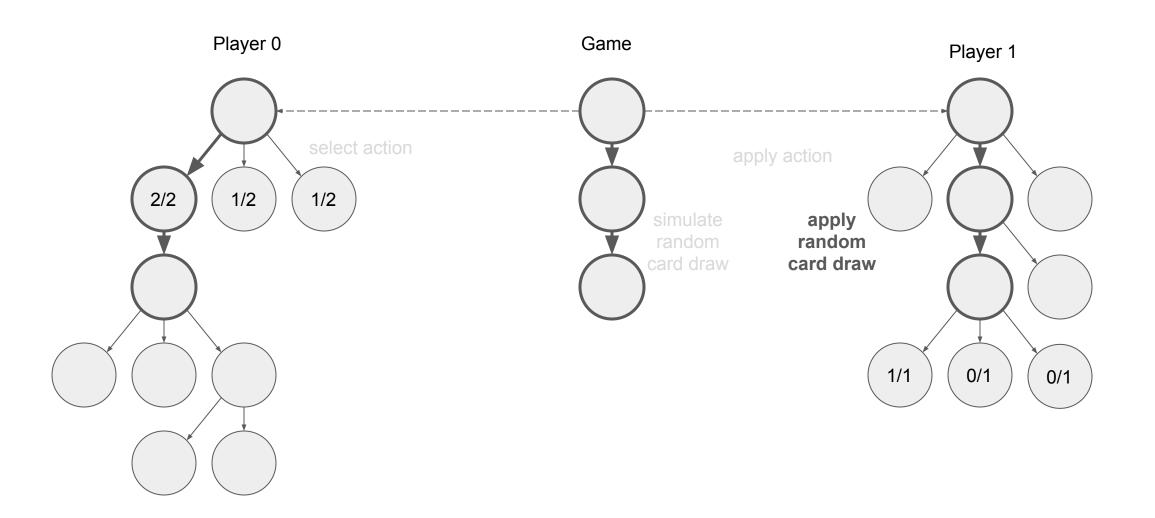


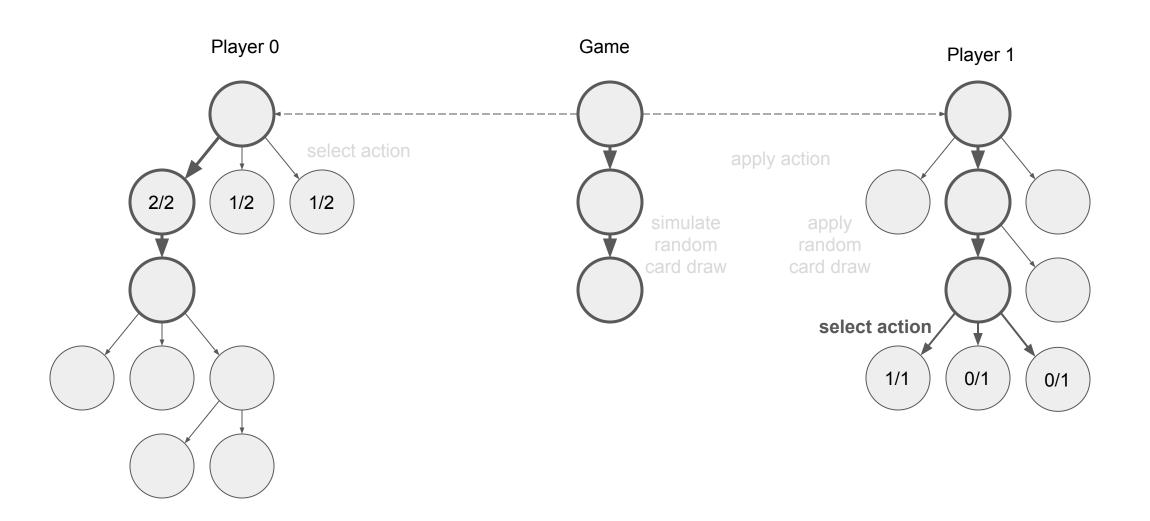


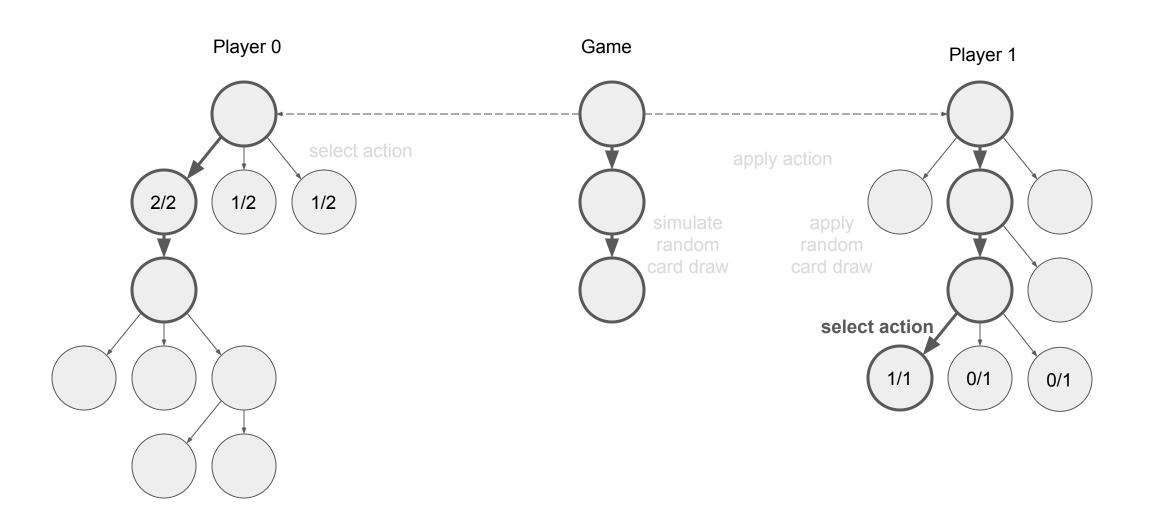


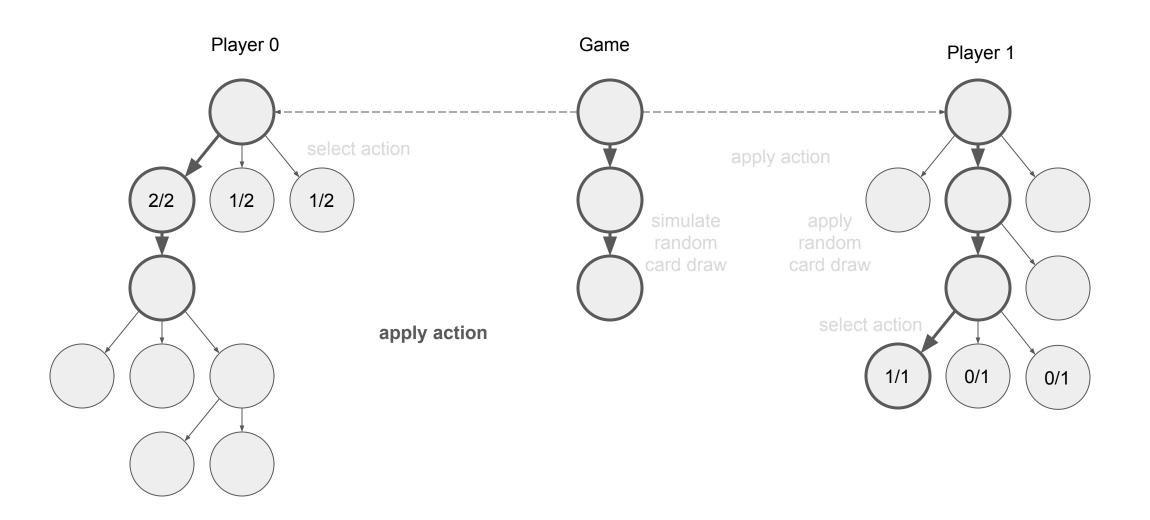


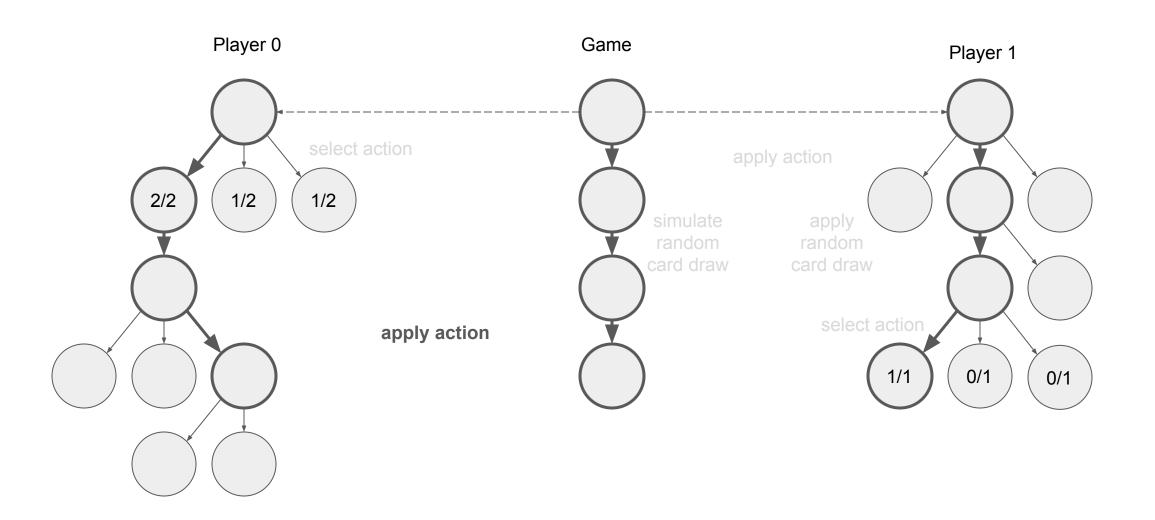


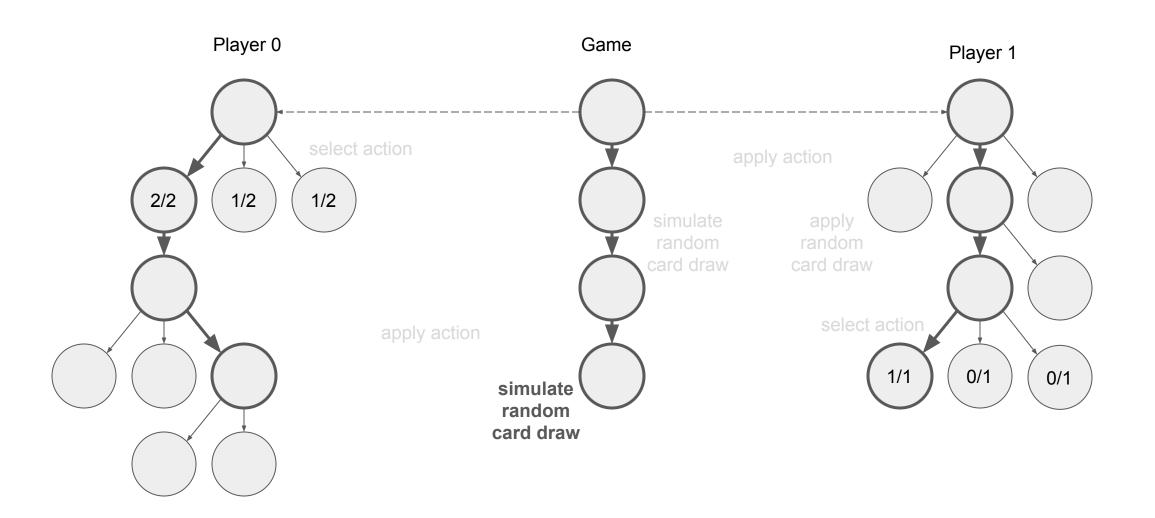


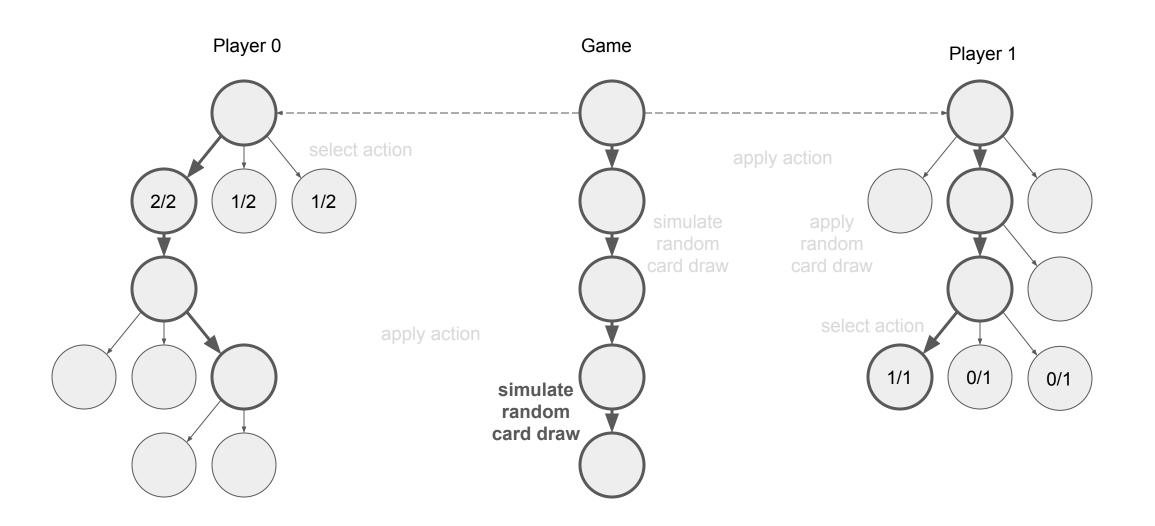


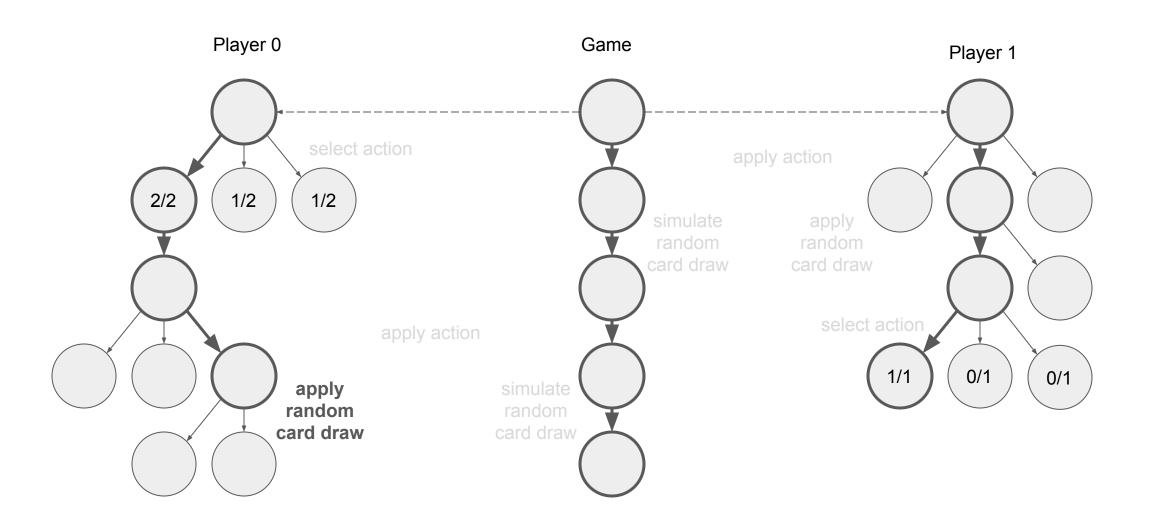


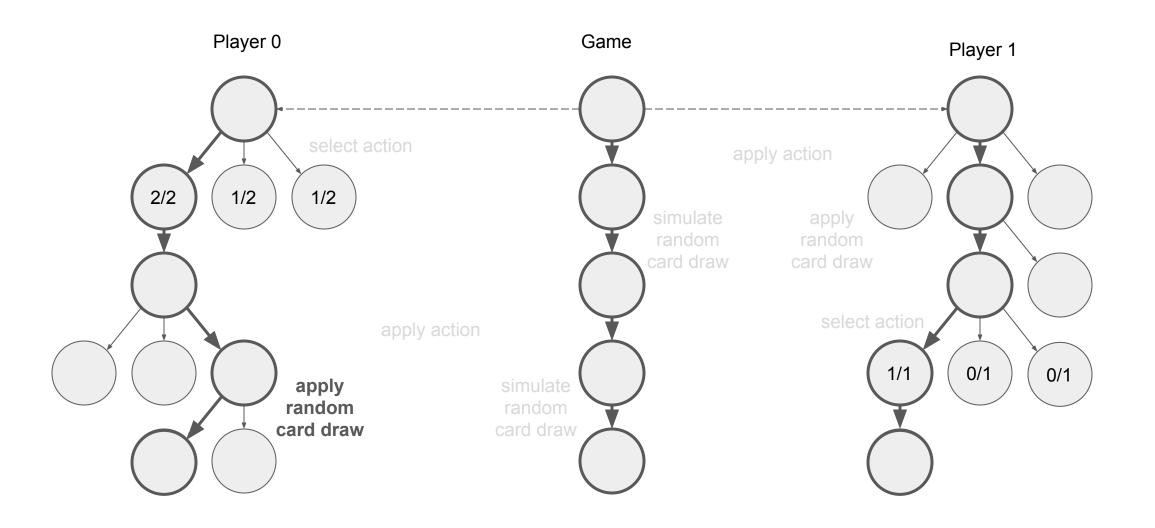


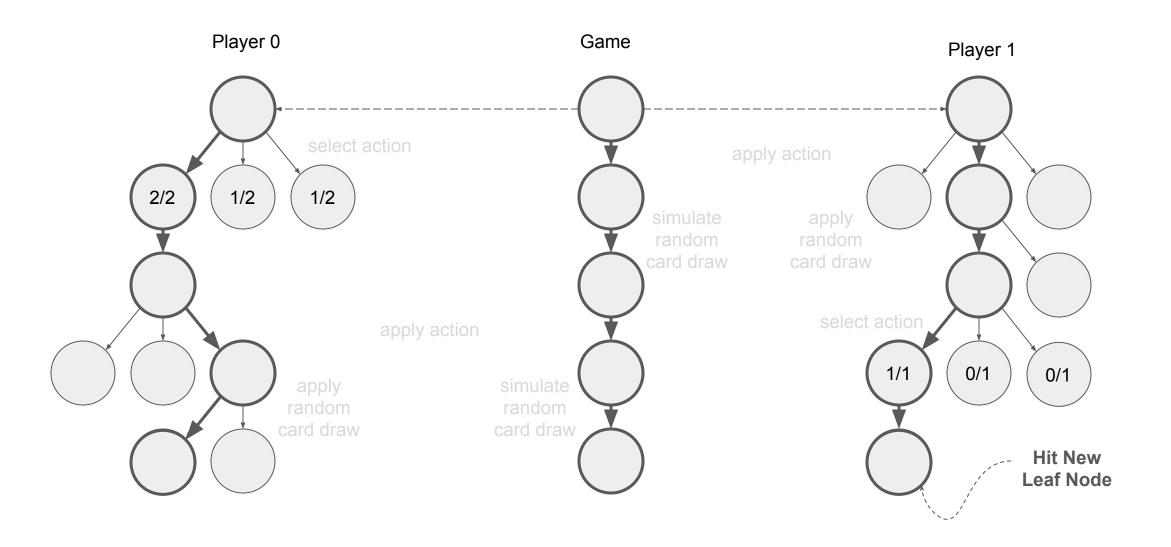


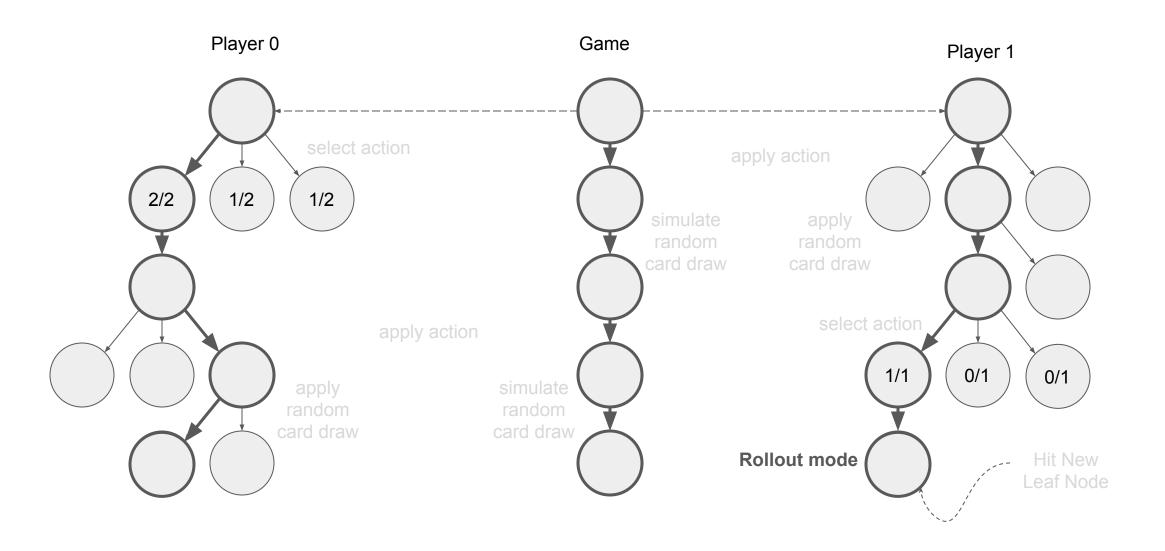


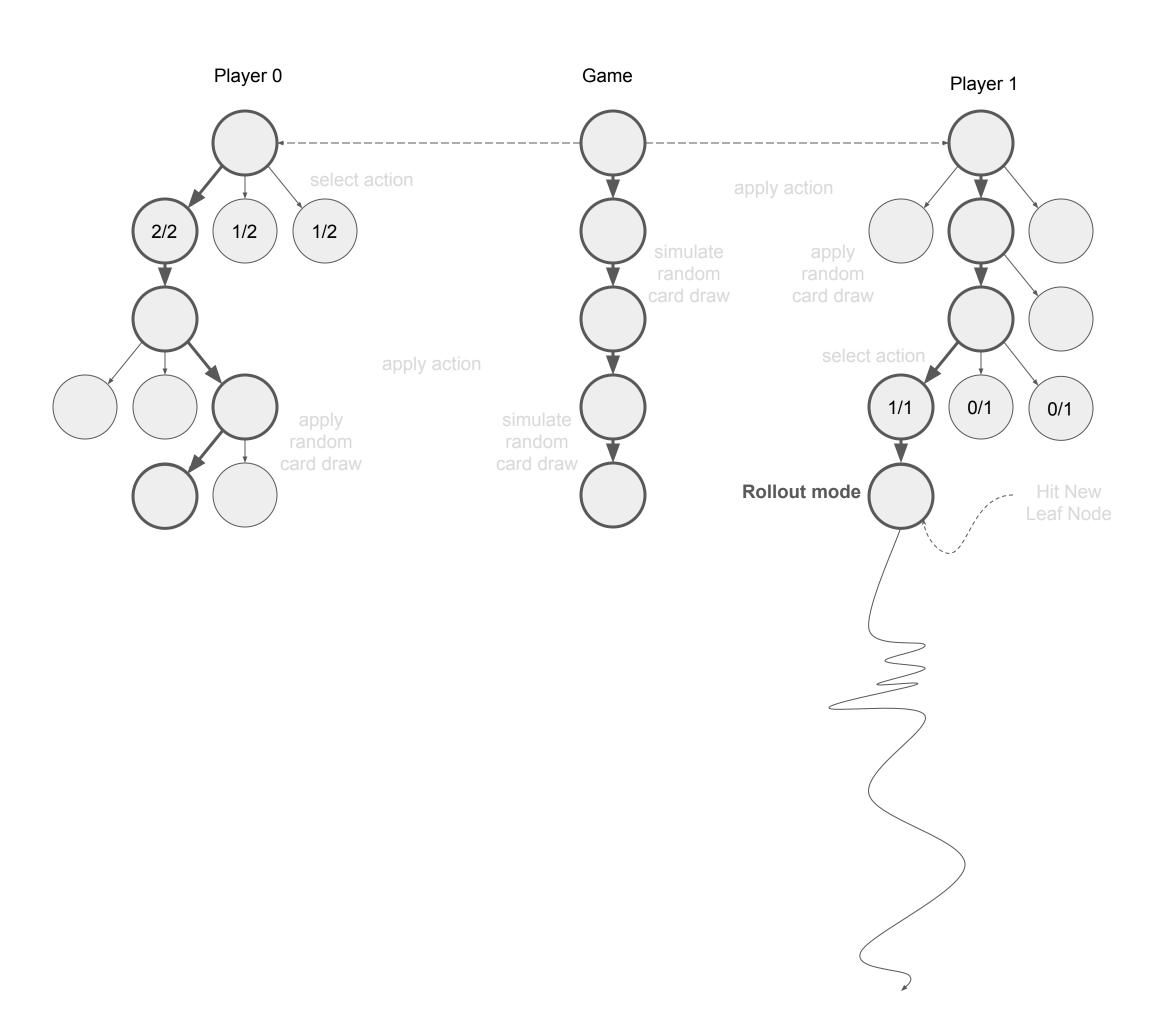








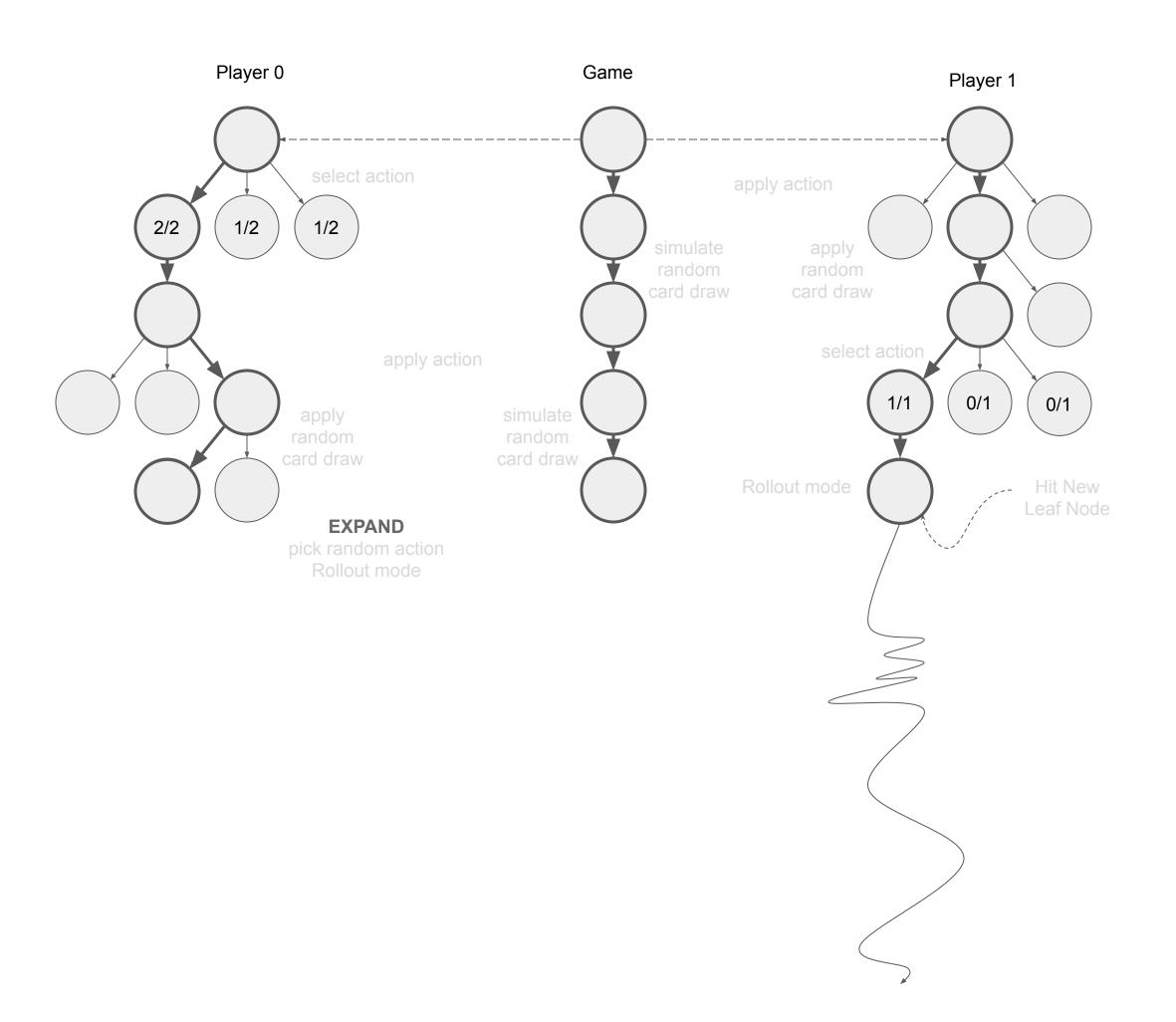


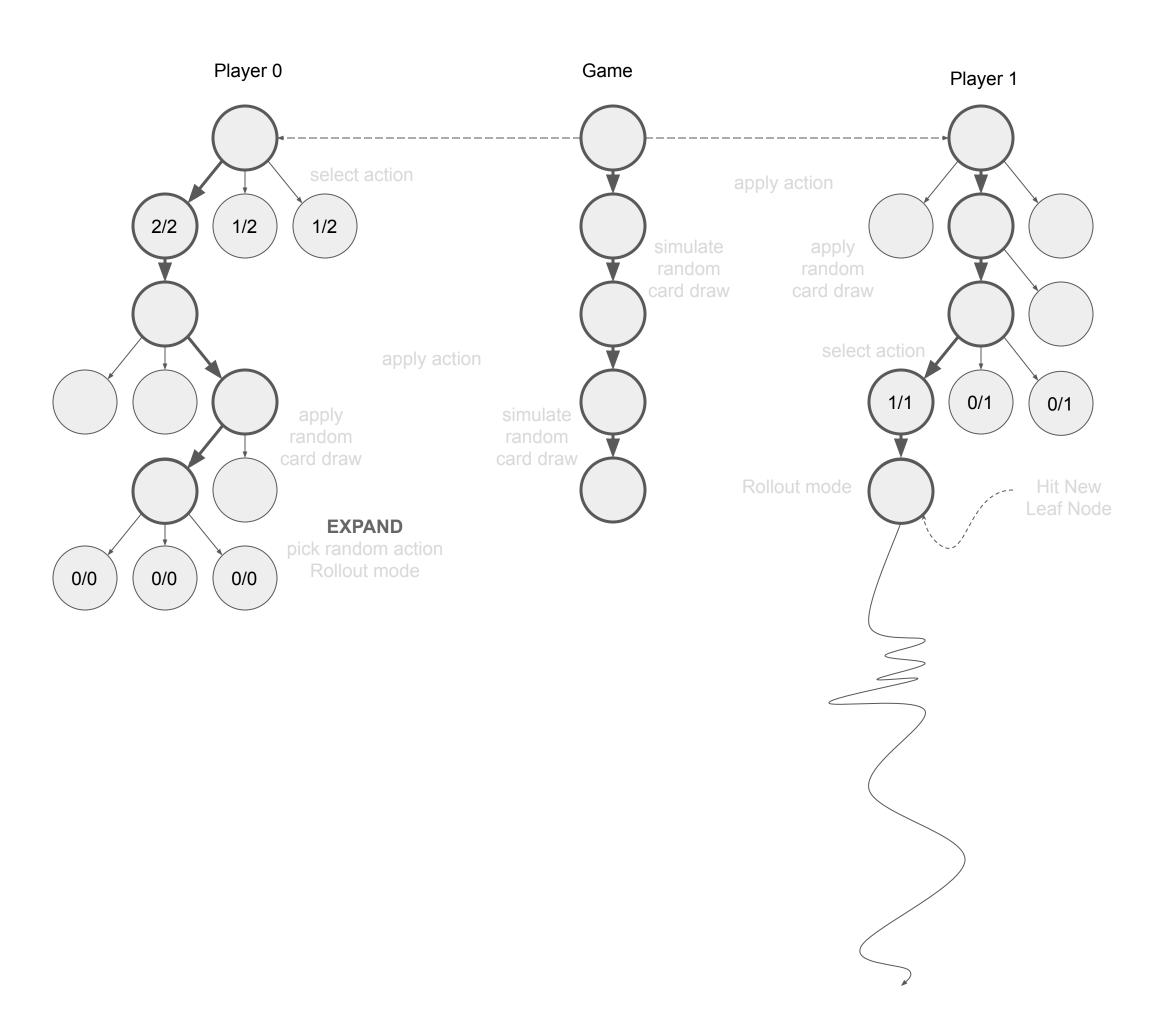


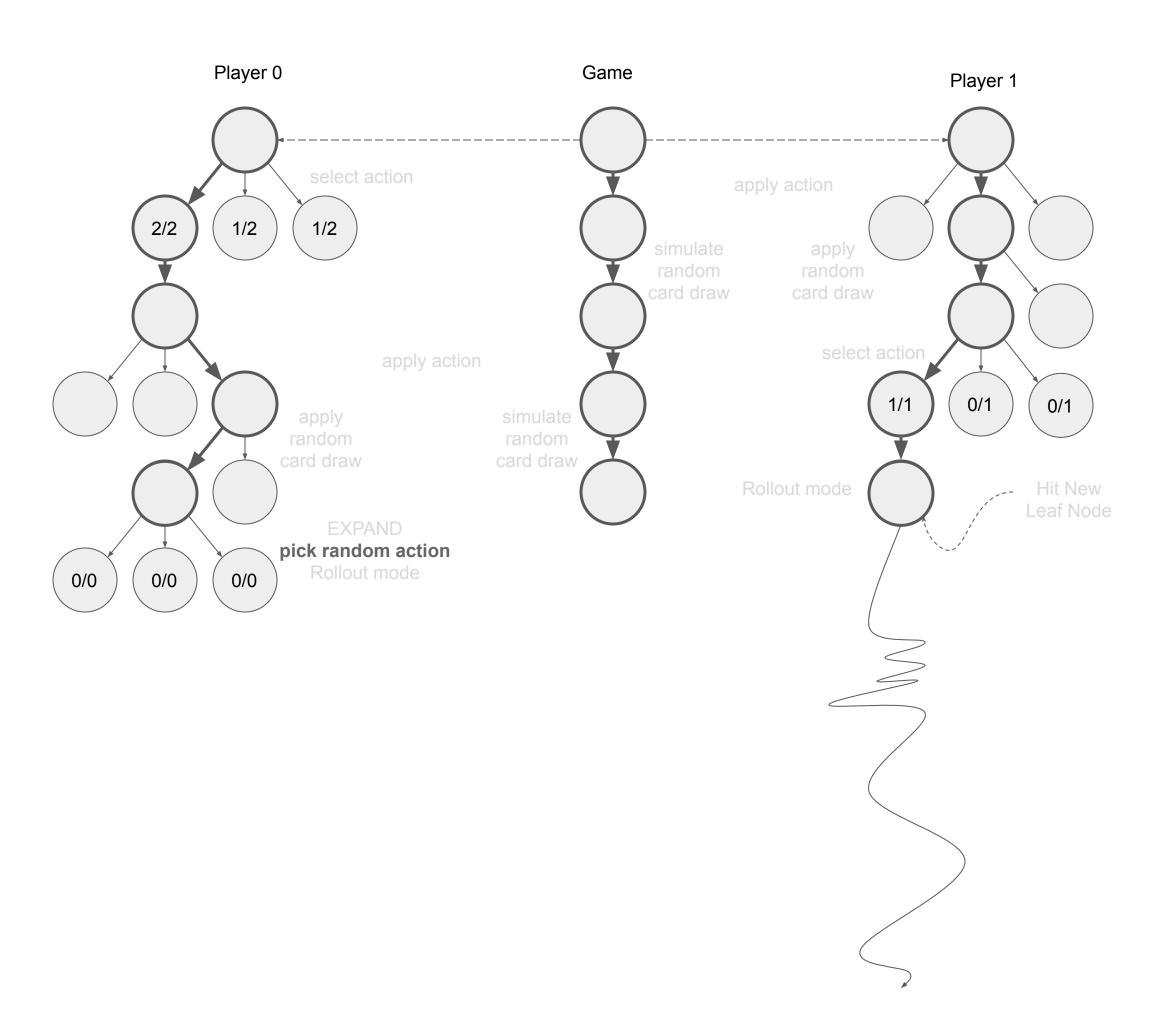
When a new leaf node is sprouted (a neutral node), the tree is set to 'rollout mode'.

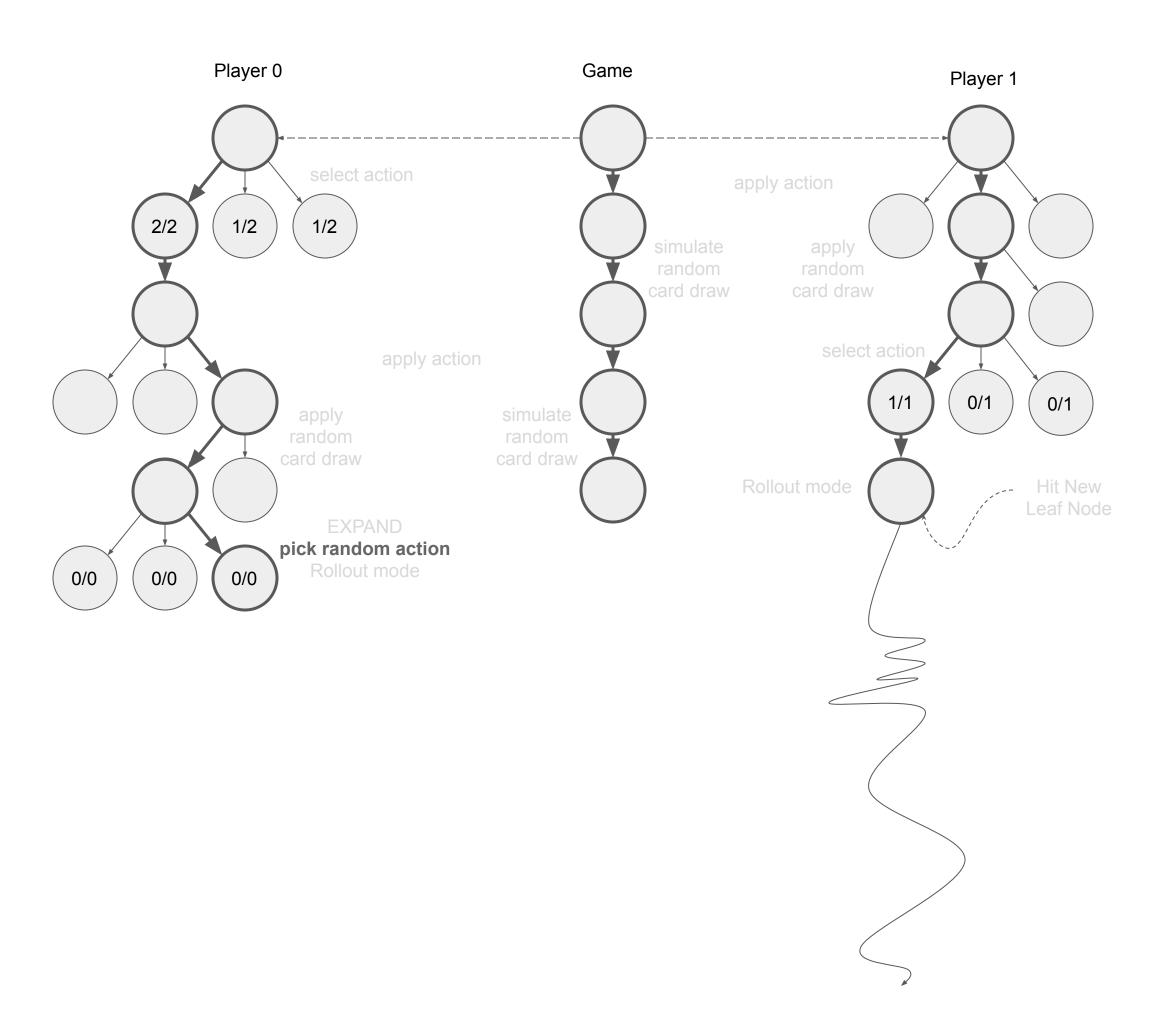
Pick random actions

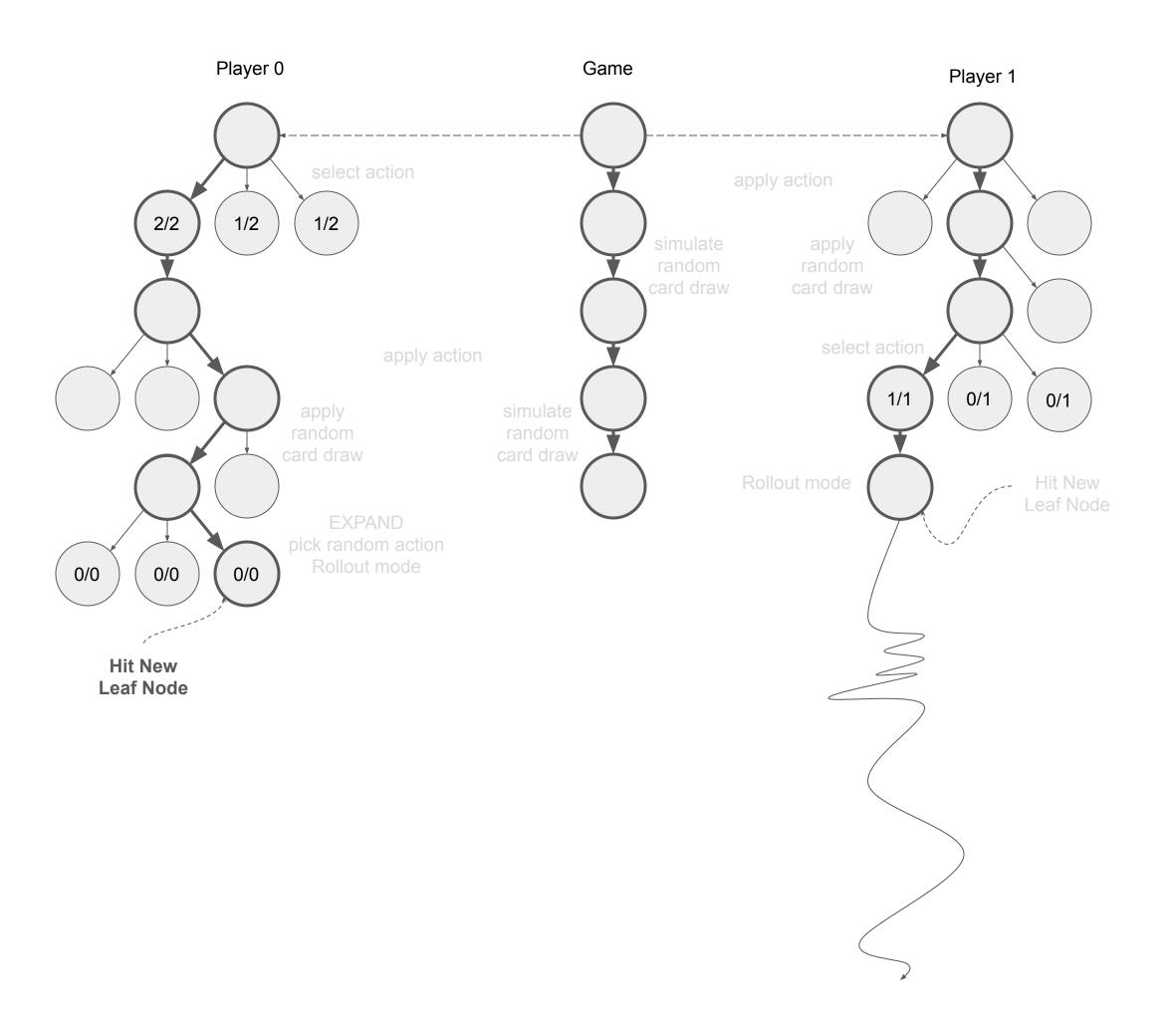
Don't sprout new nodes

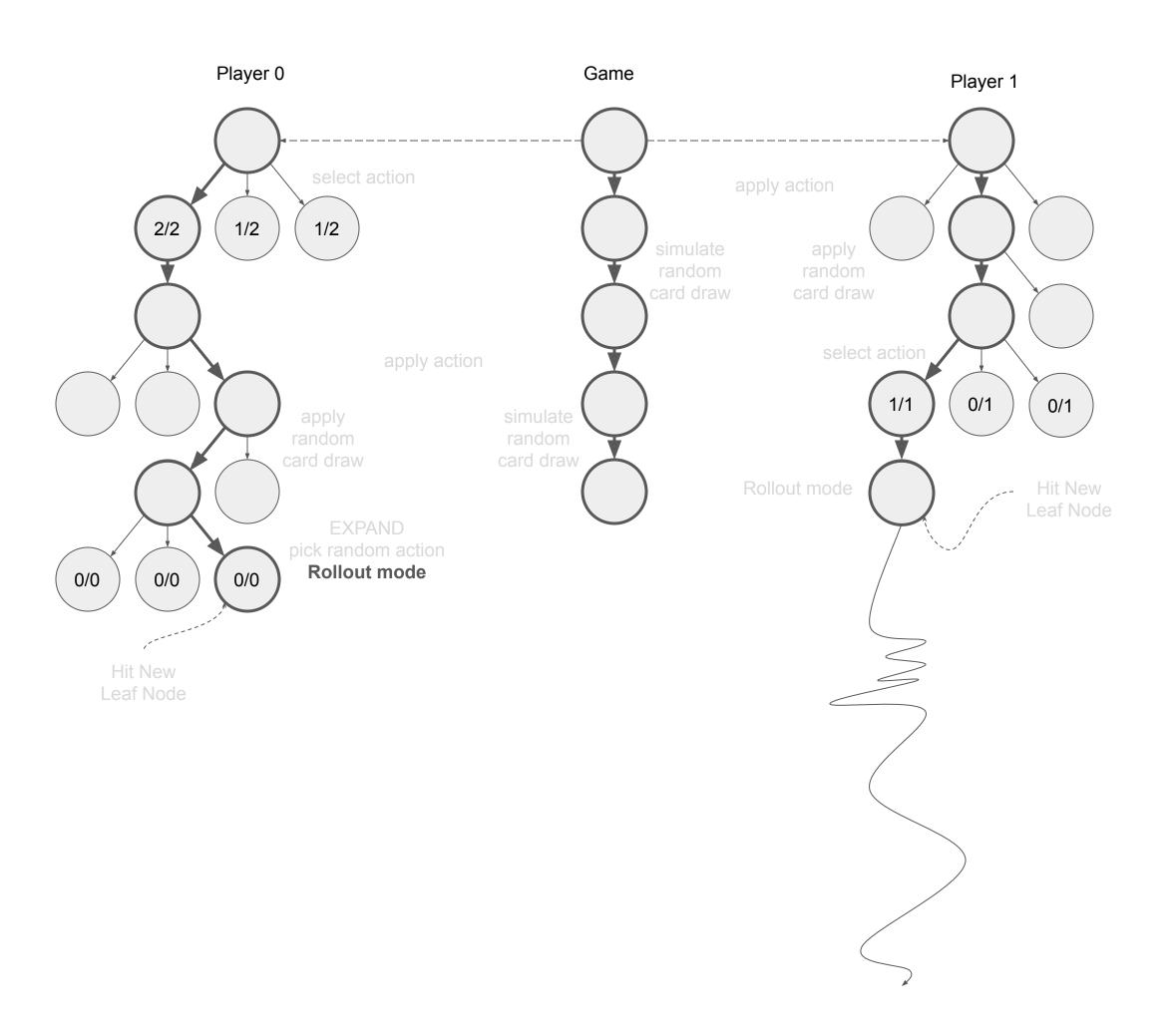


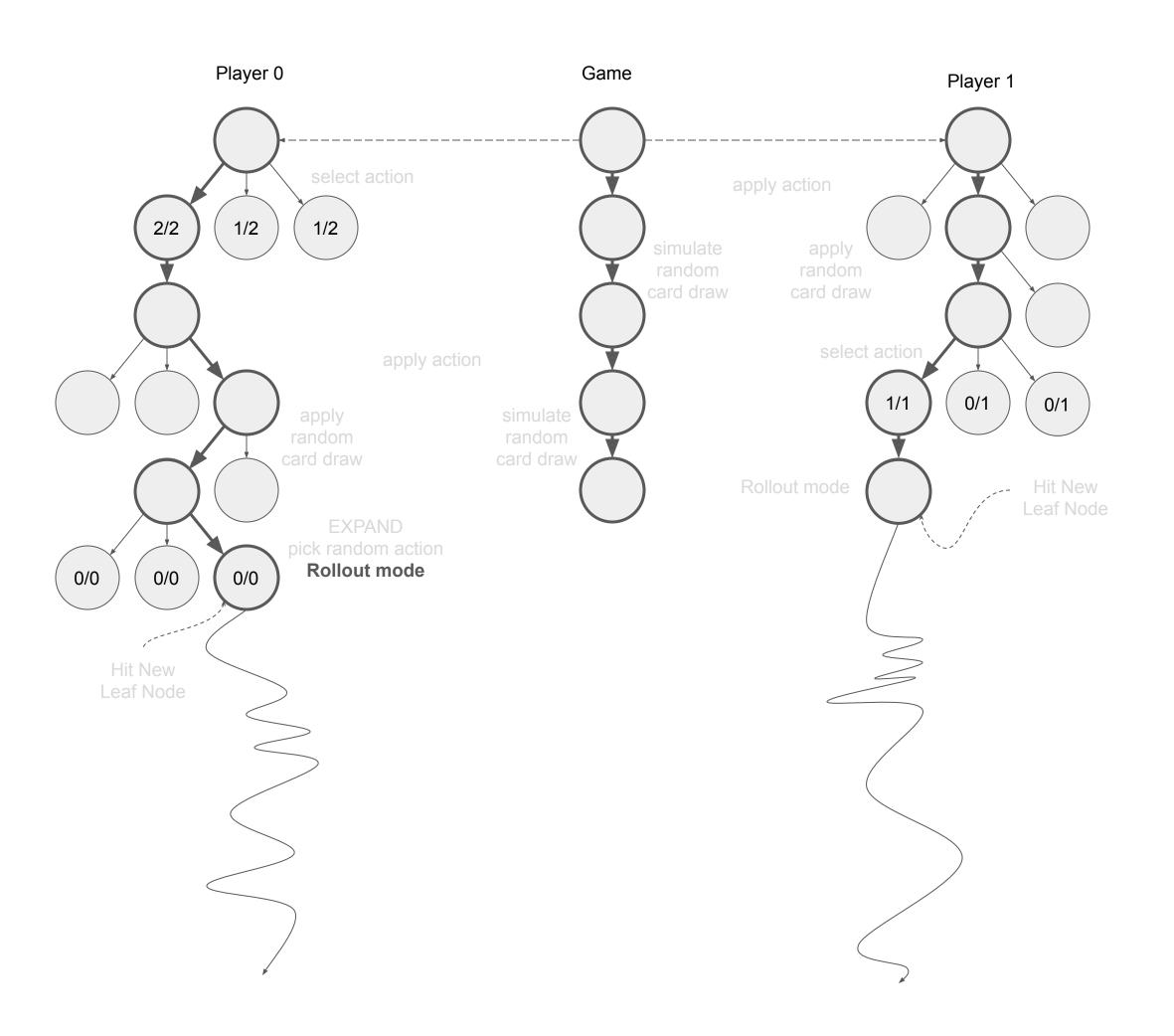


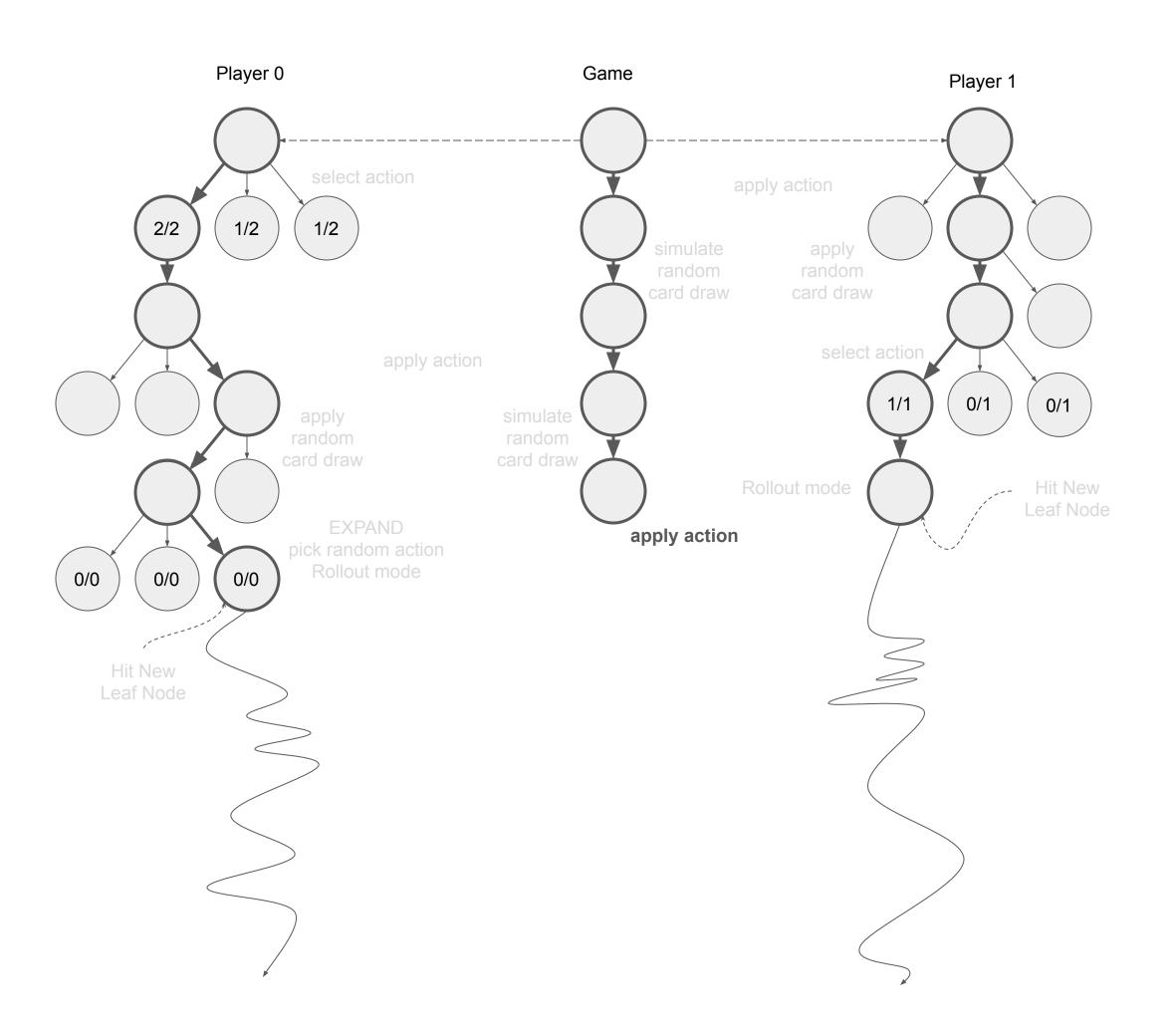




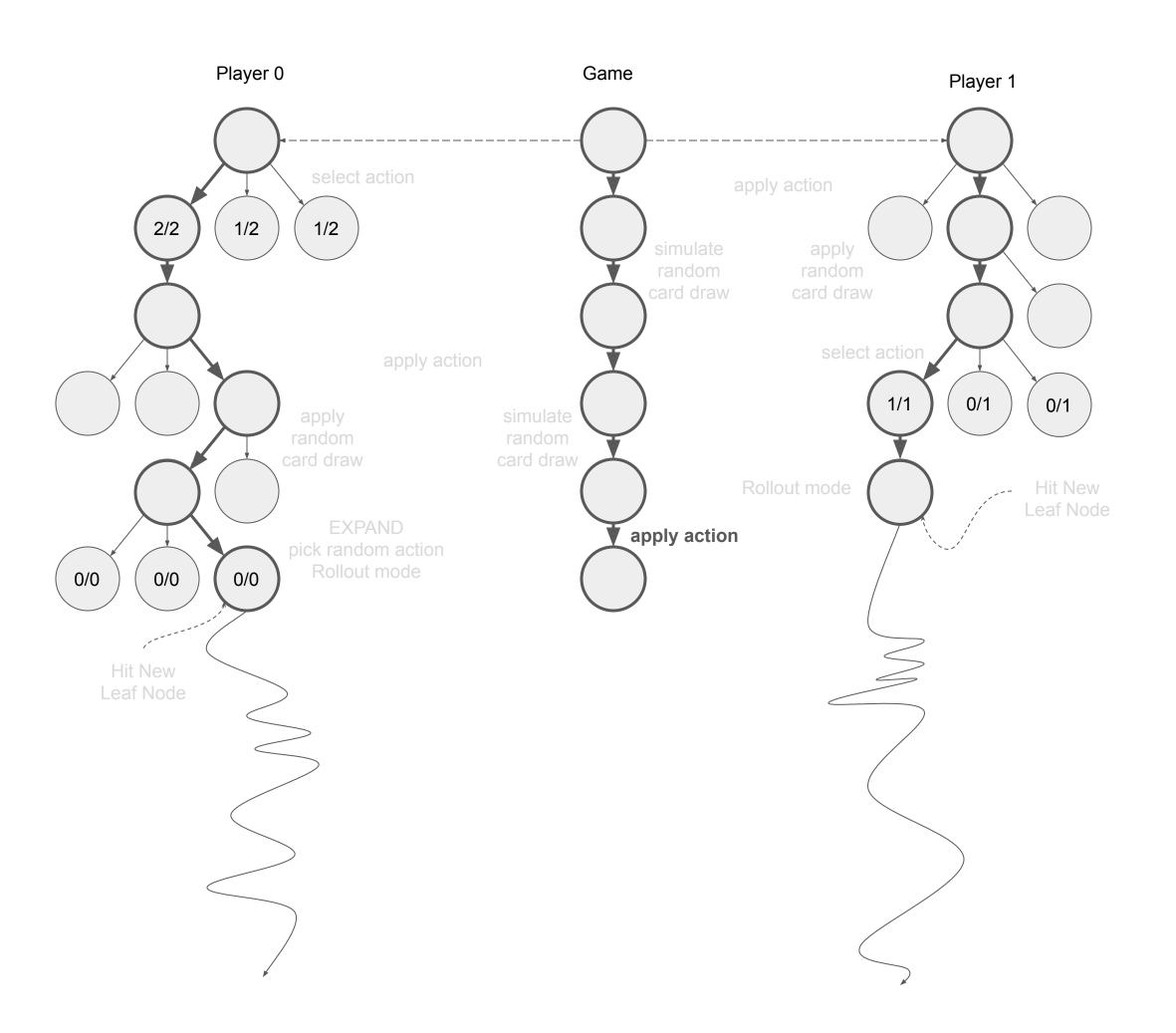




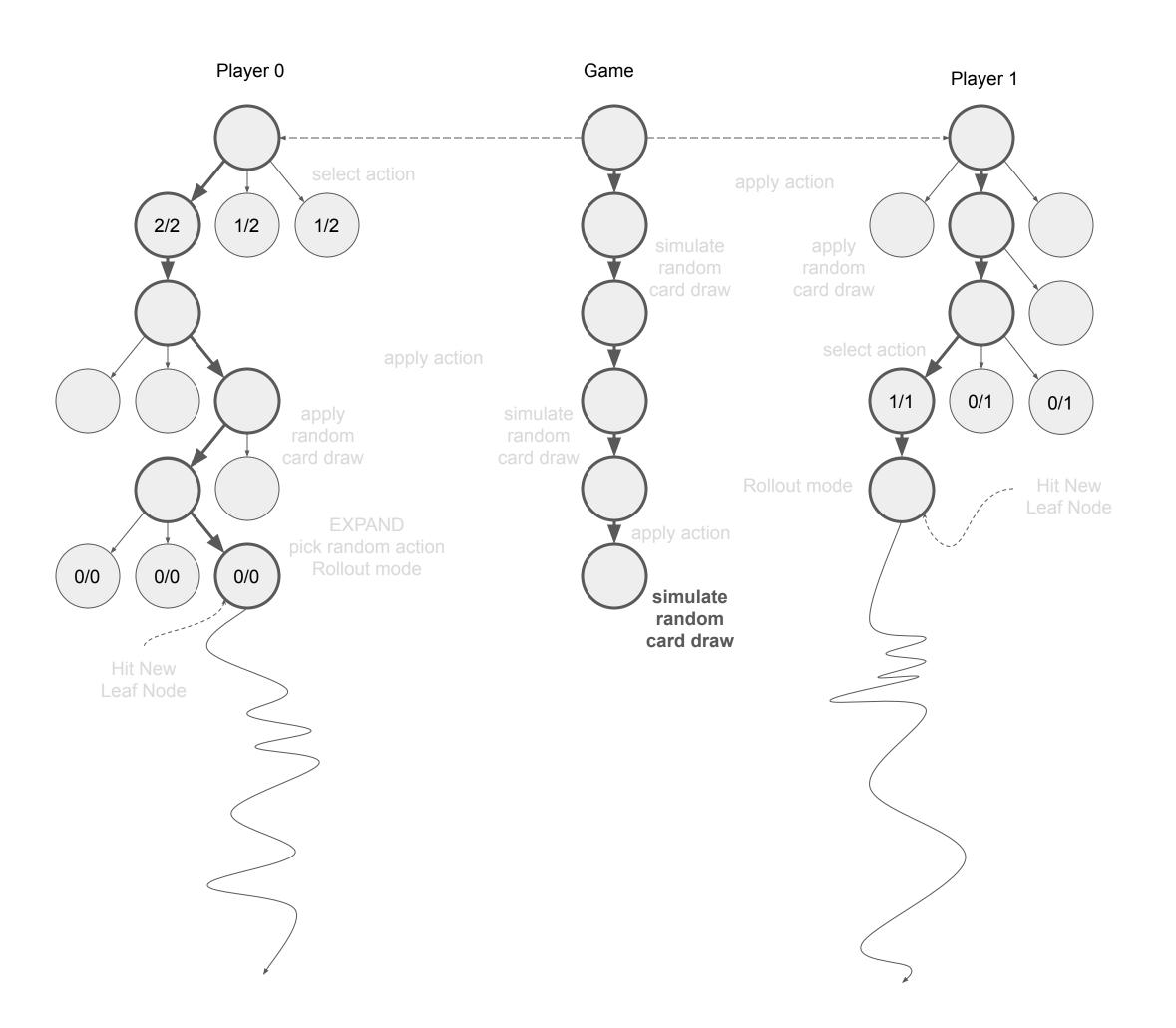




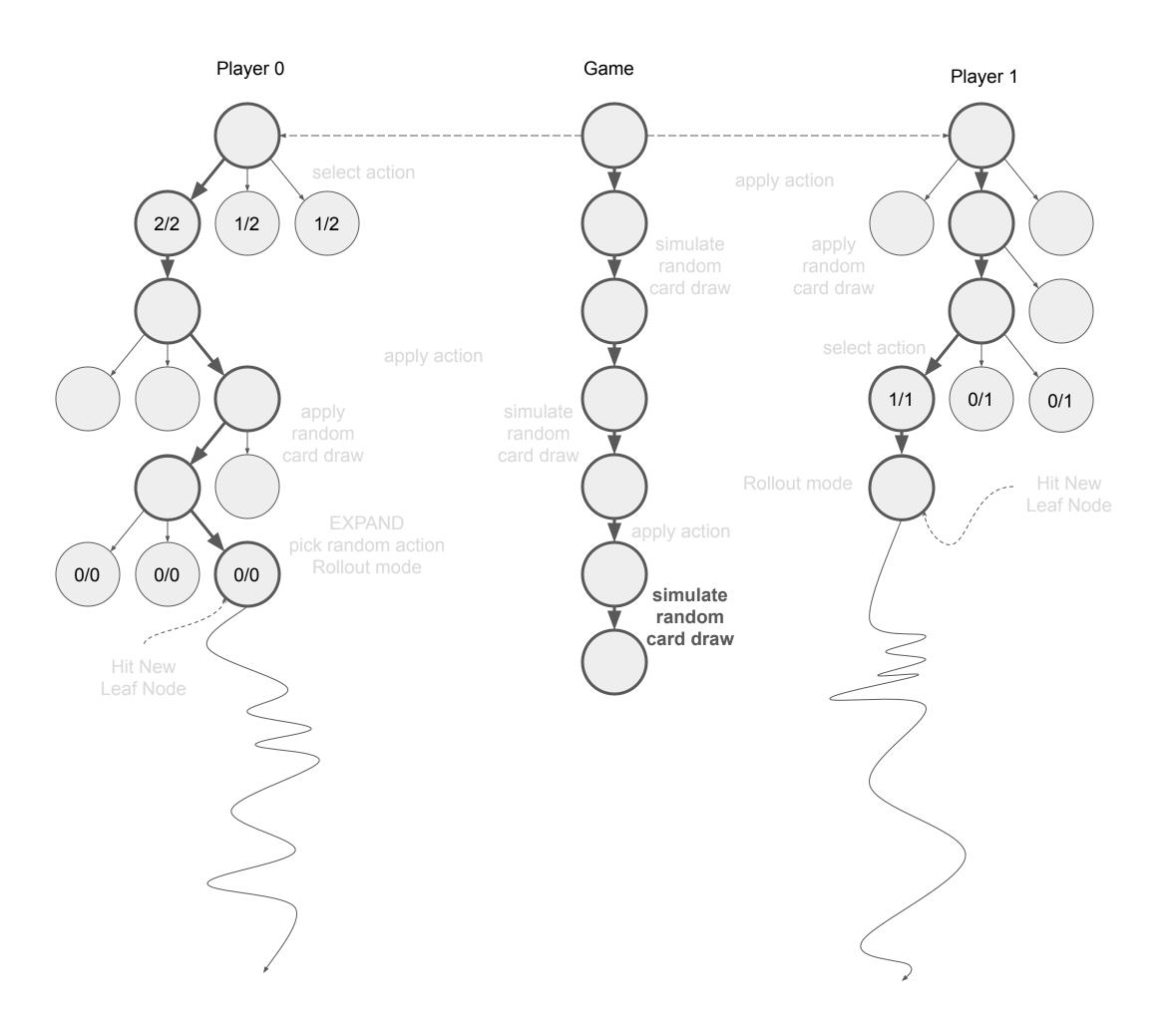
Apply Player 0's random action to the simulated game



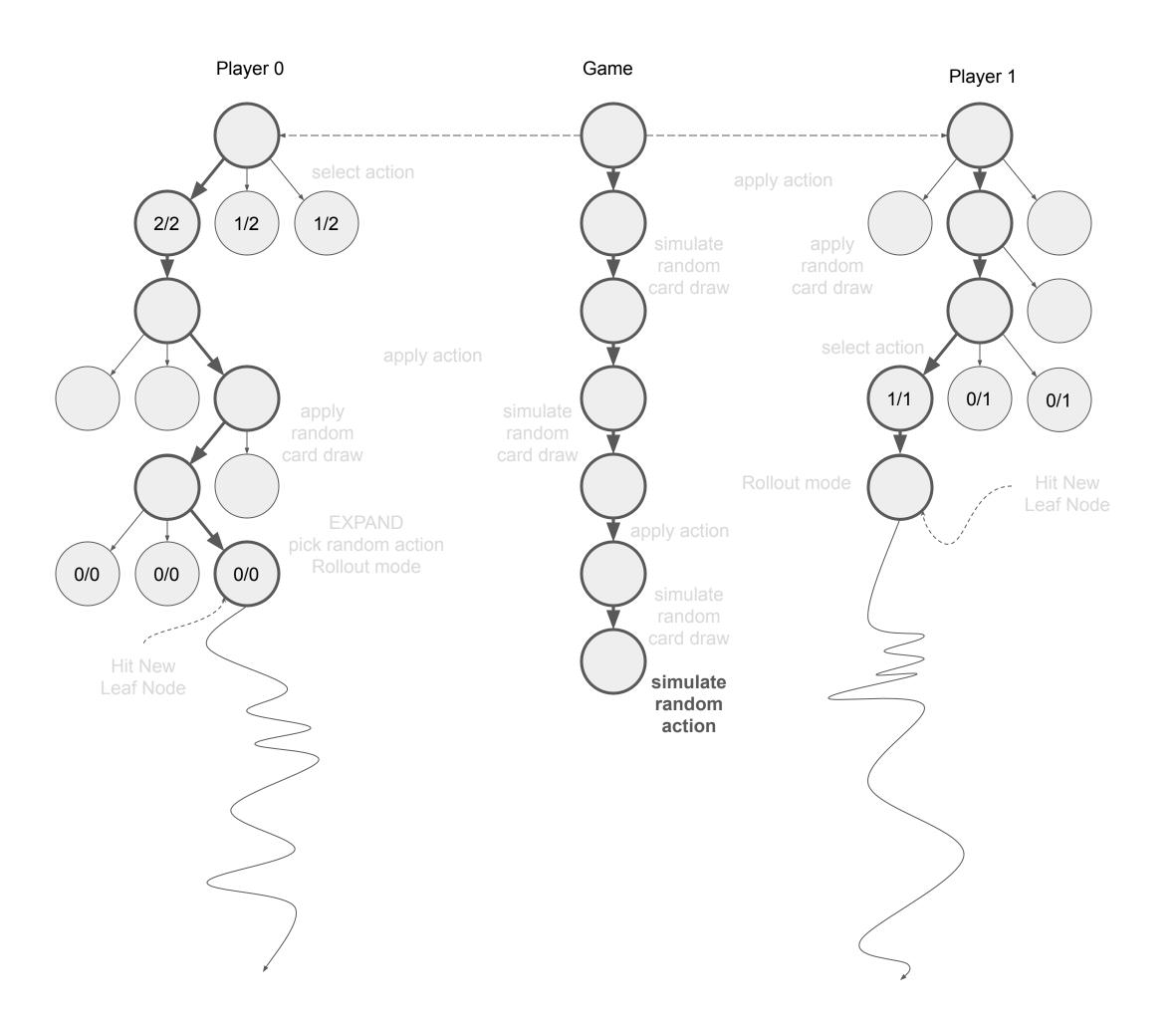
Apply Player 0's random action to the simulated game



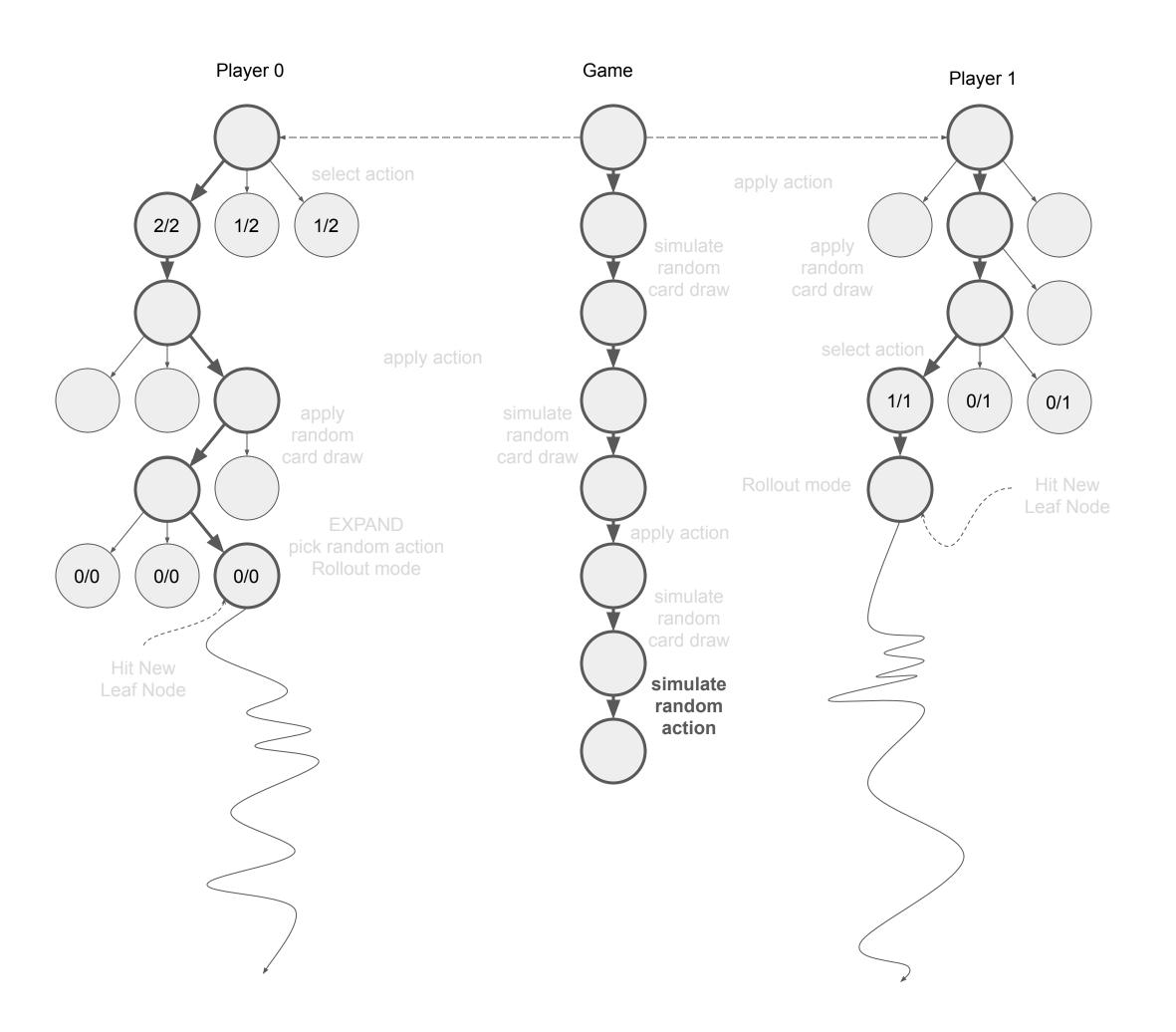
Simulate a random game



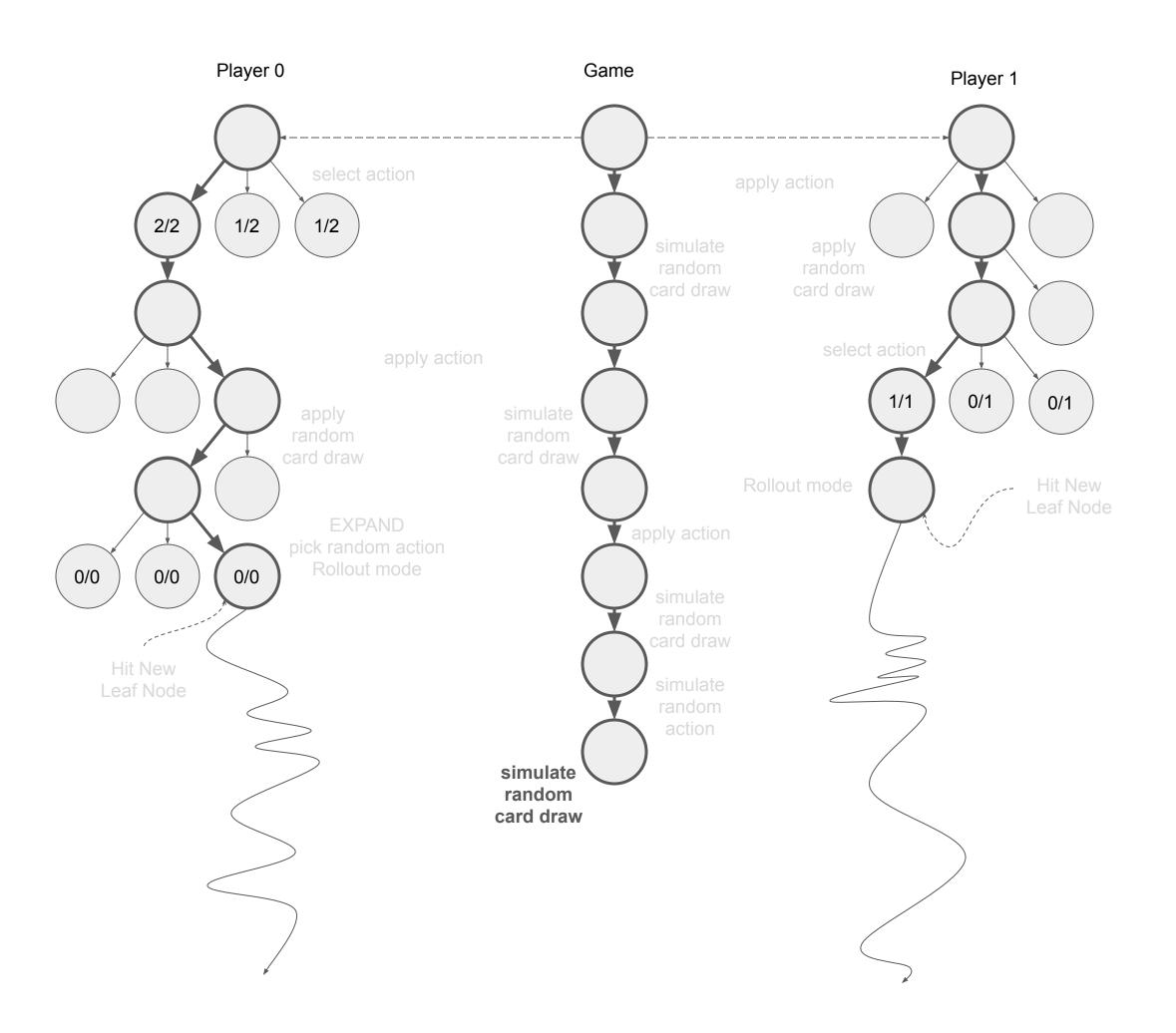
Simulate a random game



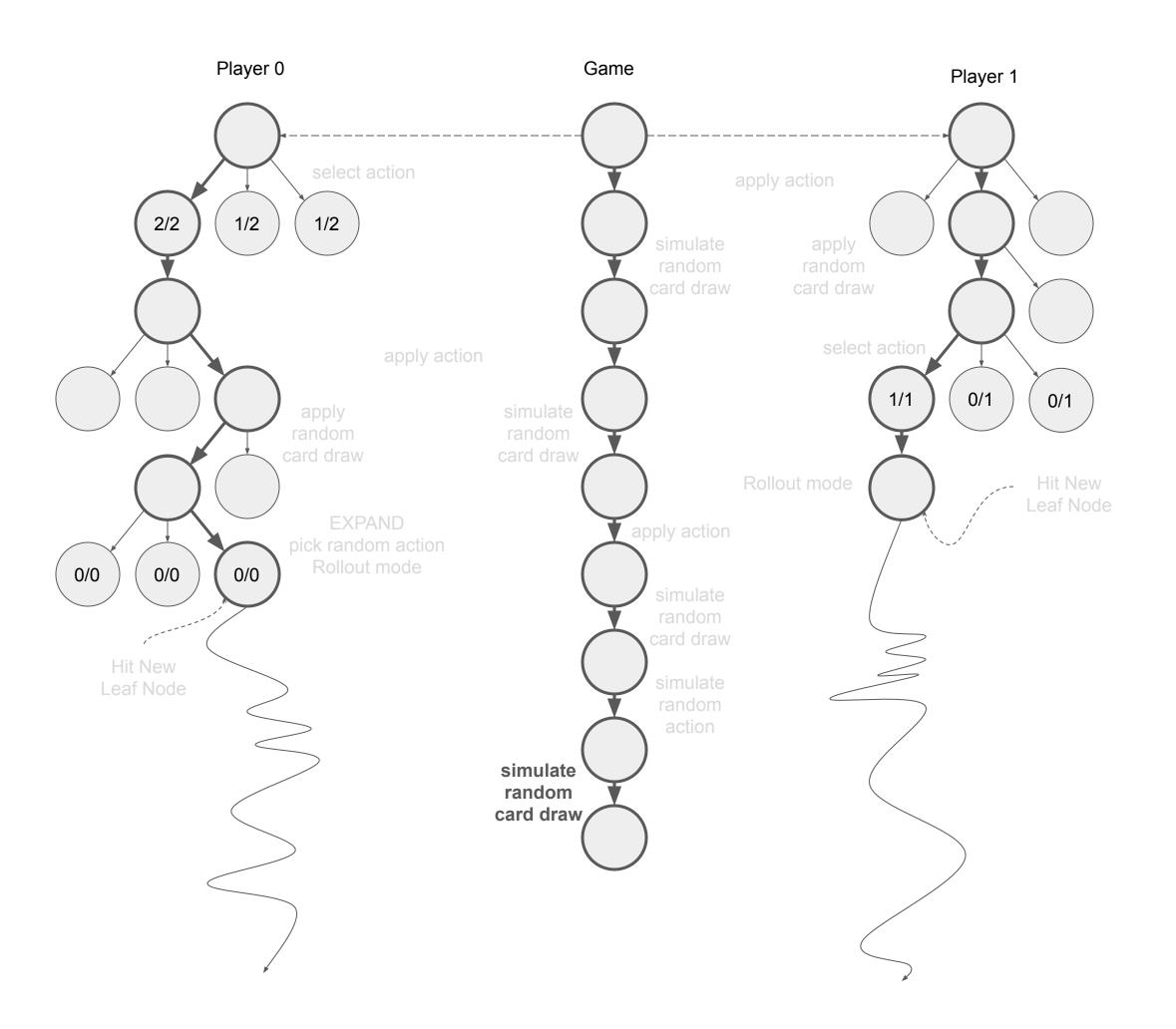
Simulate a random game



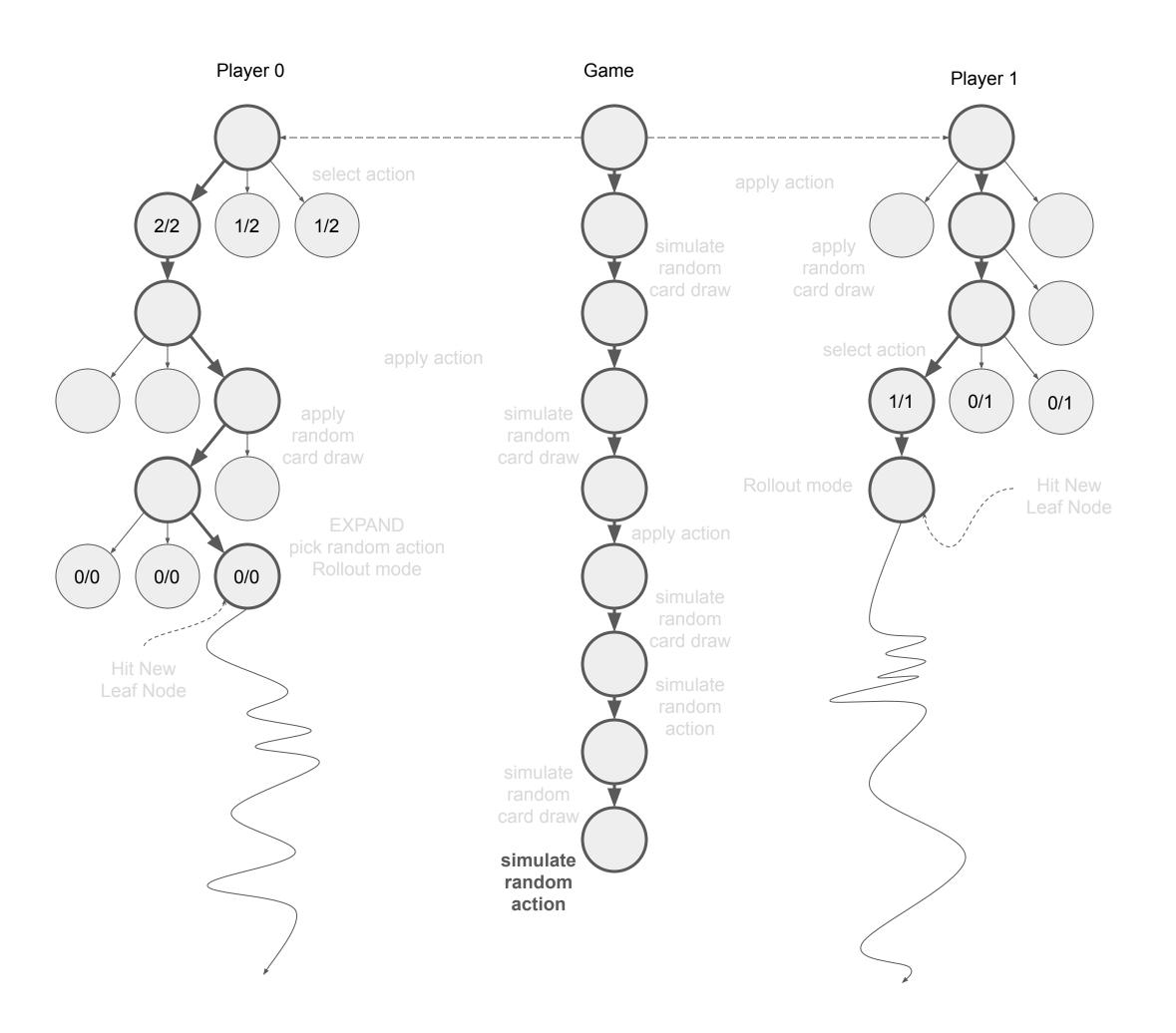
Simulate a random game



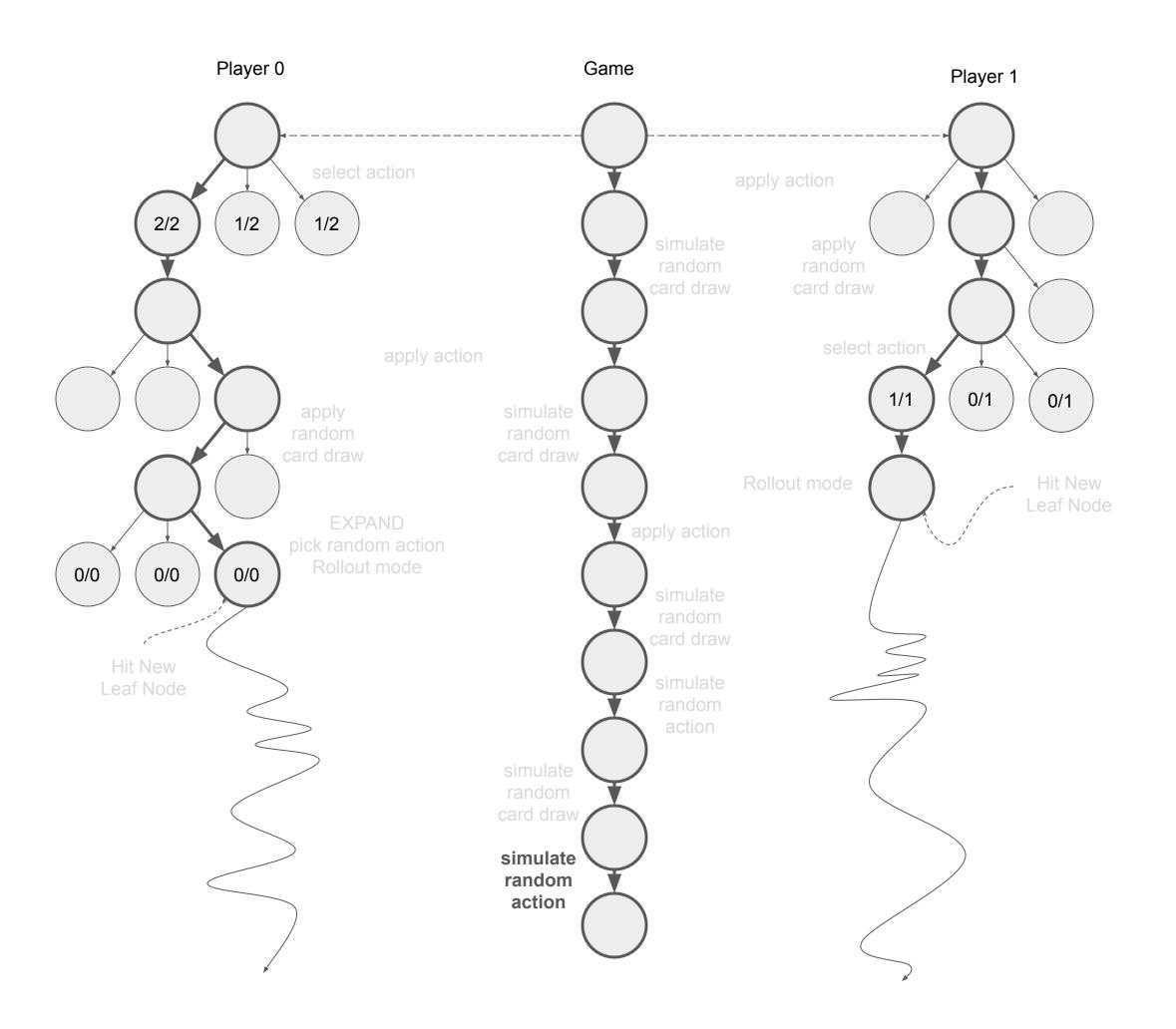
Simulate a random game



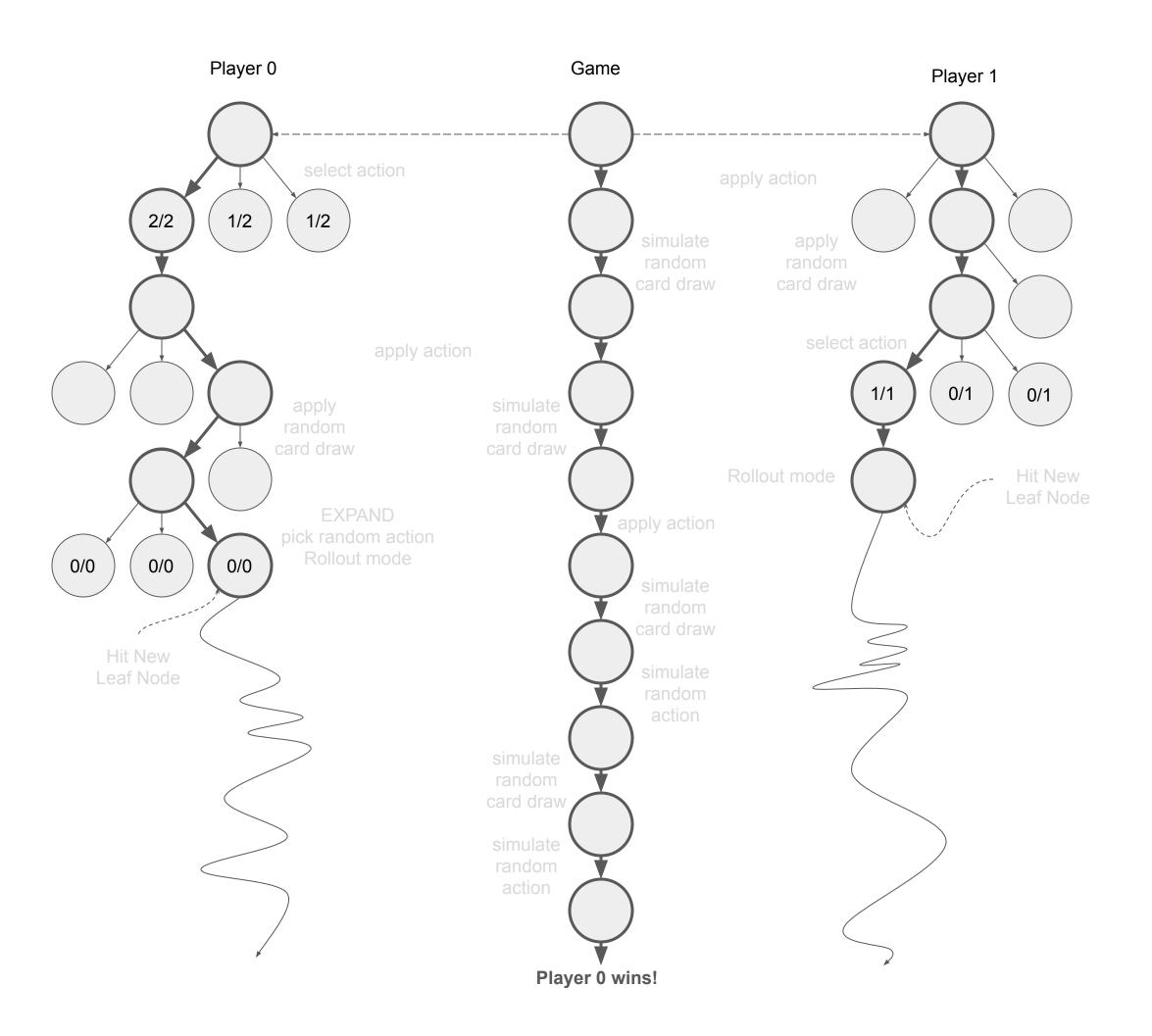
Simulate a random game



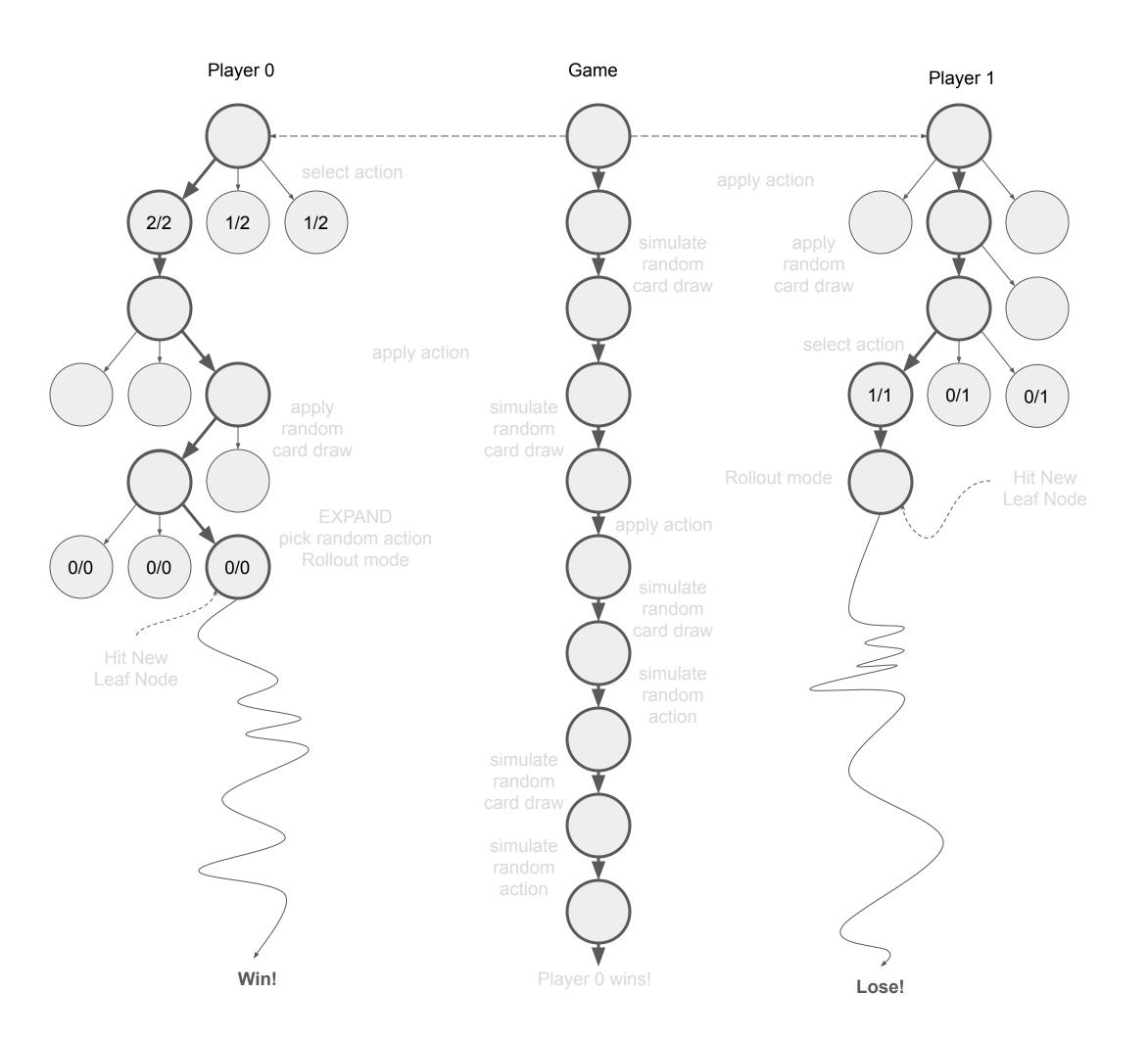
Simulate a random game



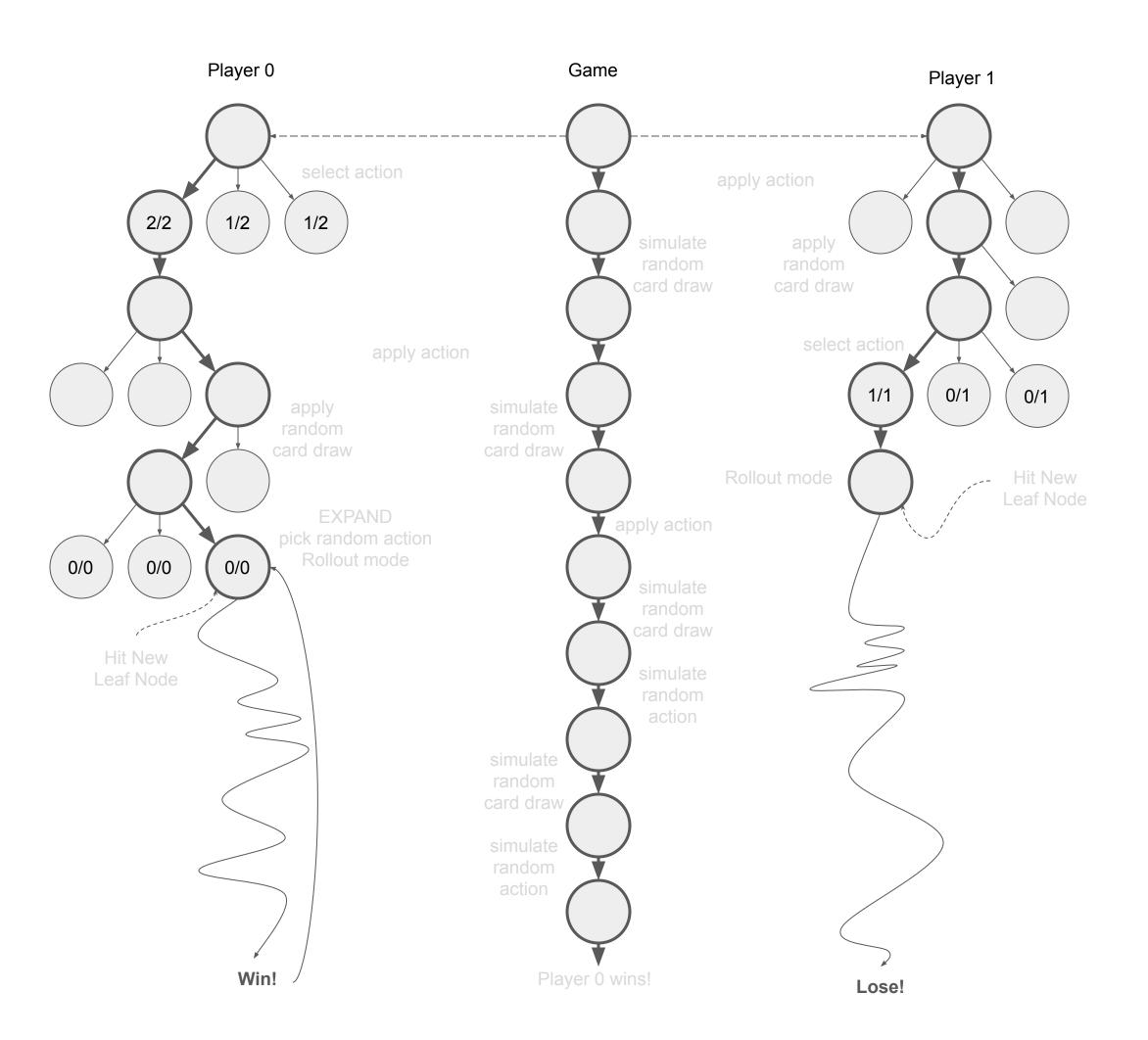
Simulate a random game



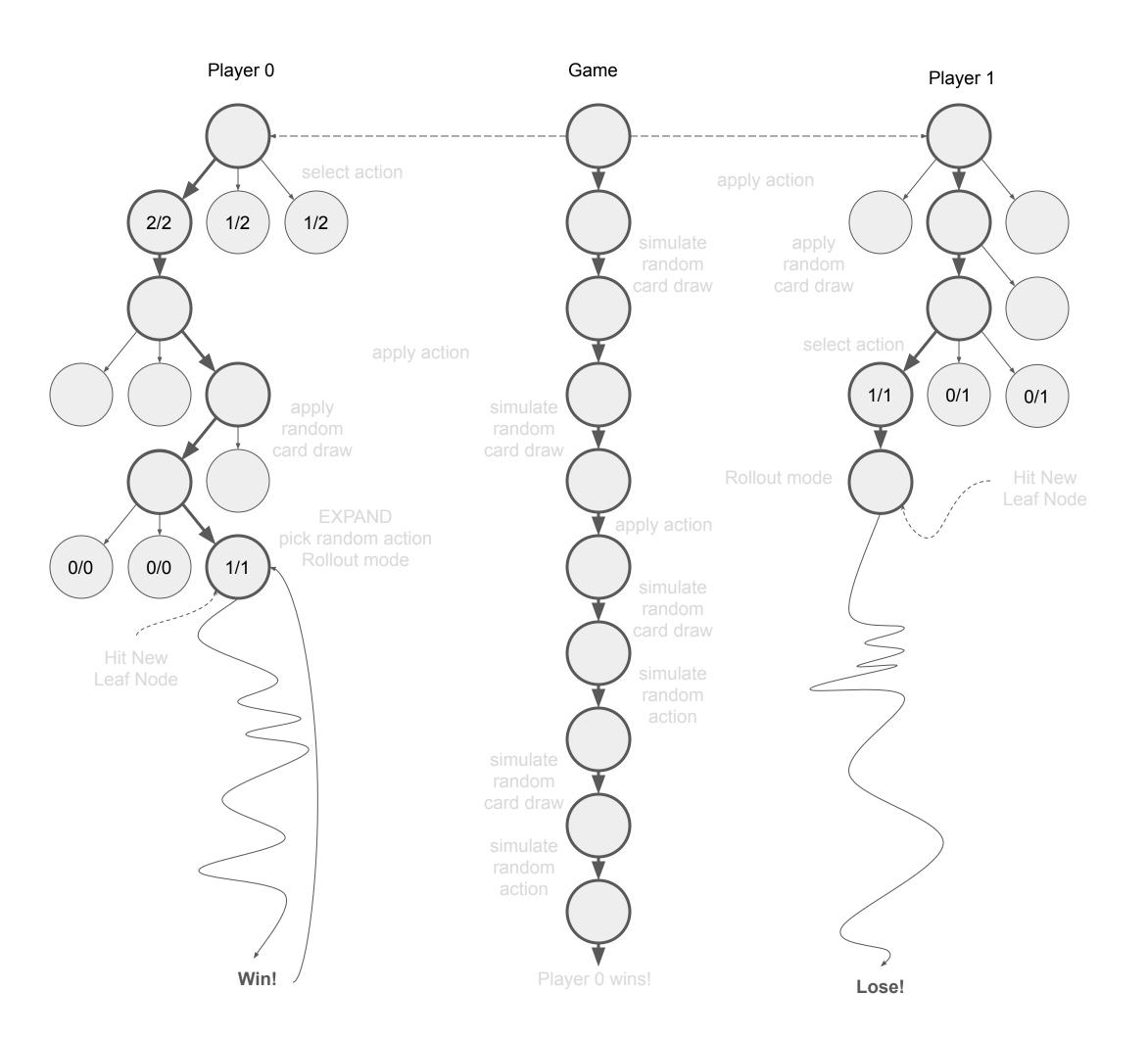
Simulate a random game



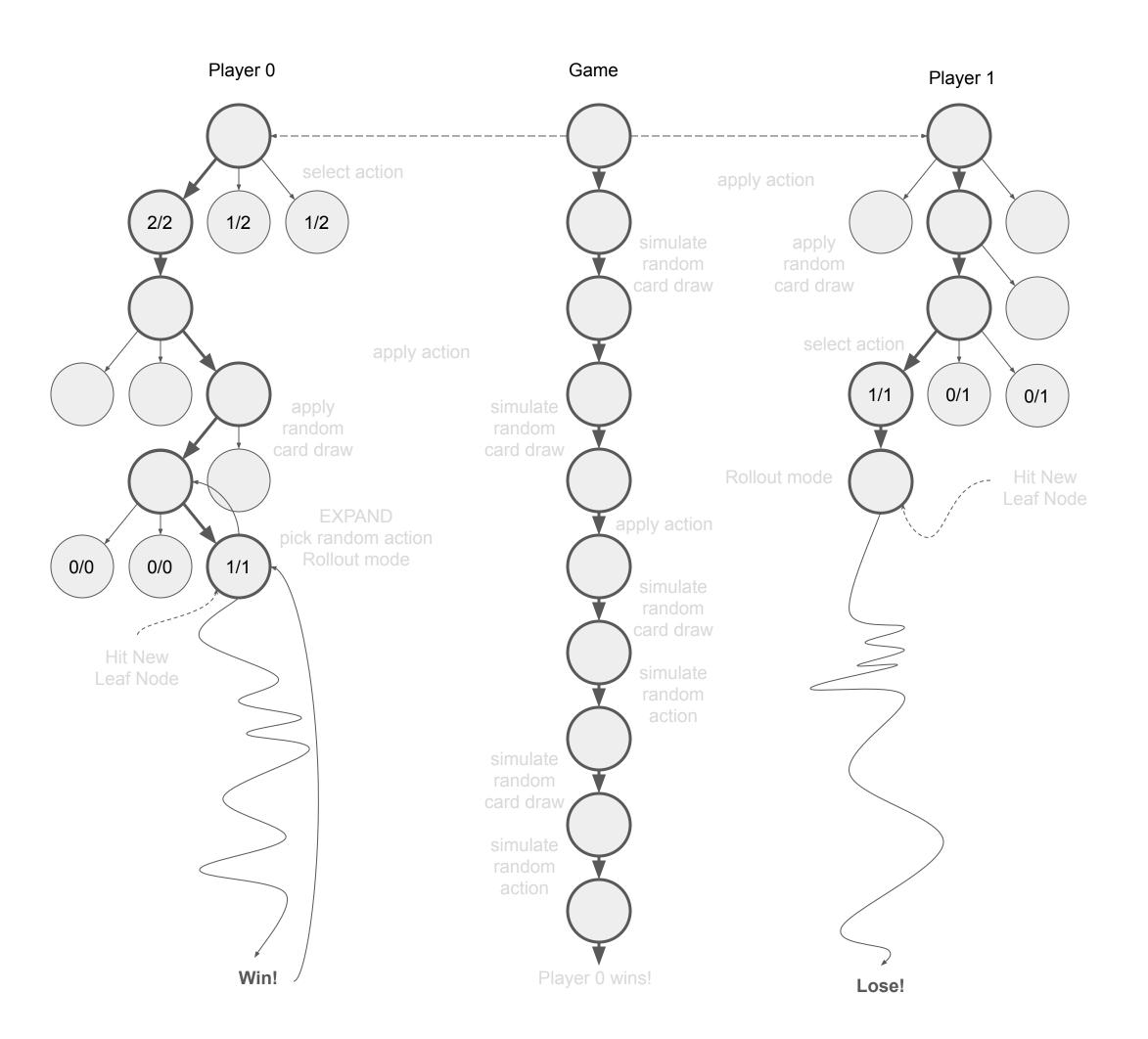
Backpropagate the win to the tree of player 0



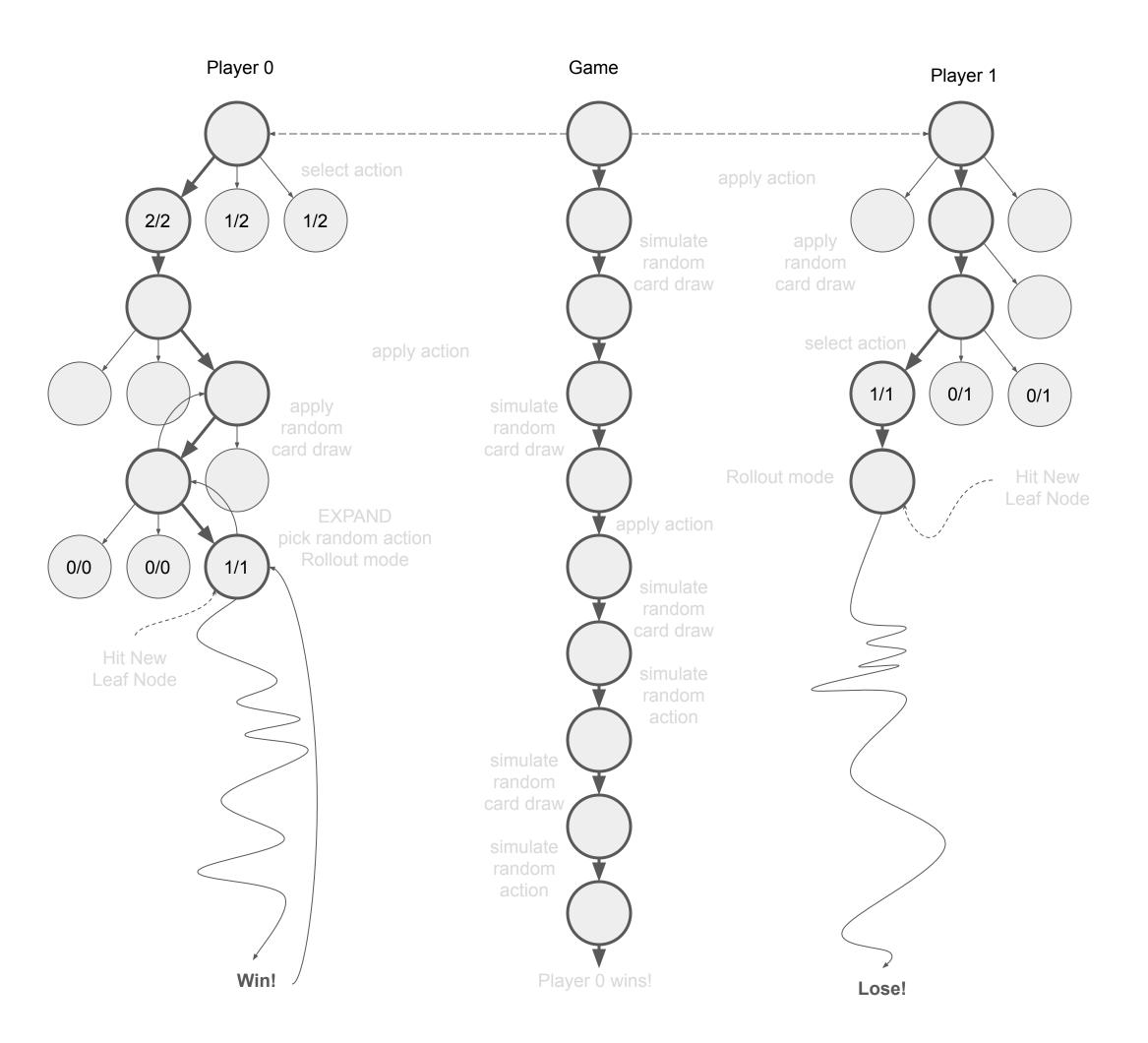
Backpropagate the win to the tree of player 0



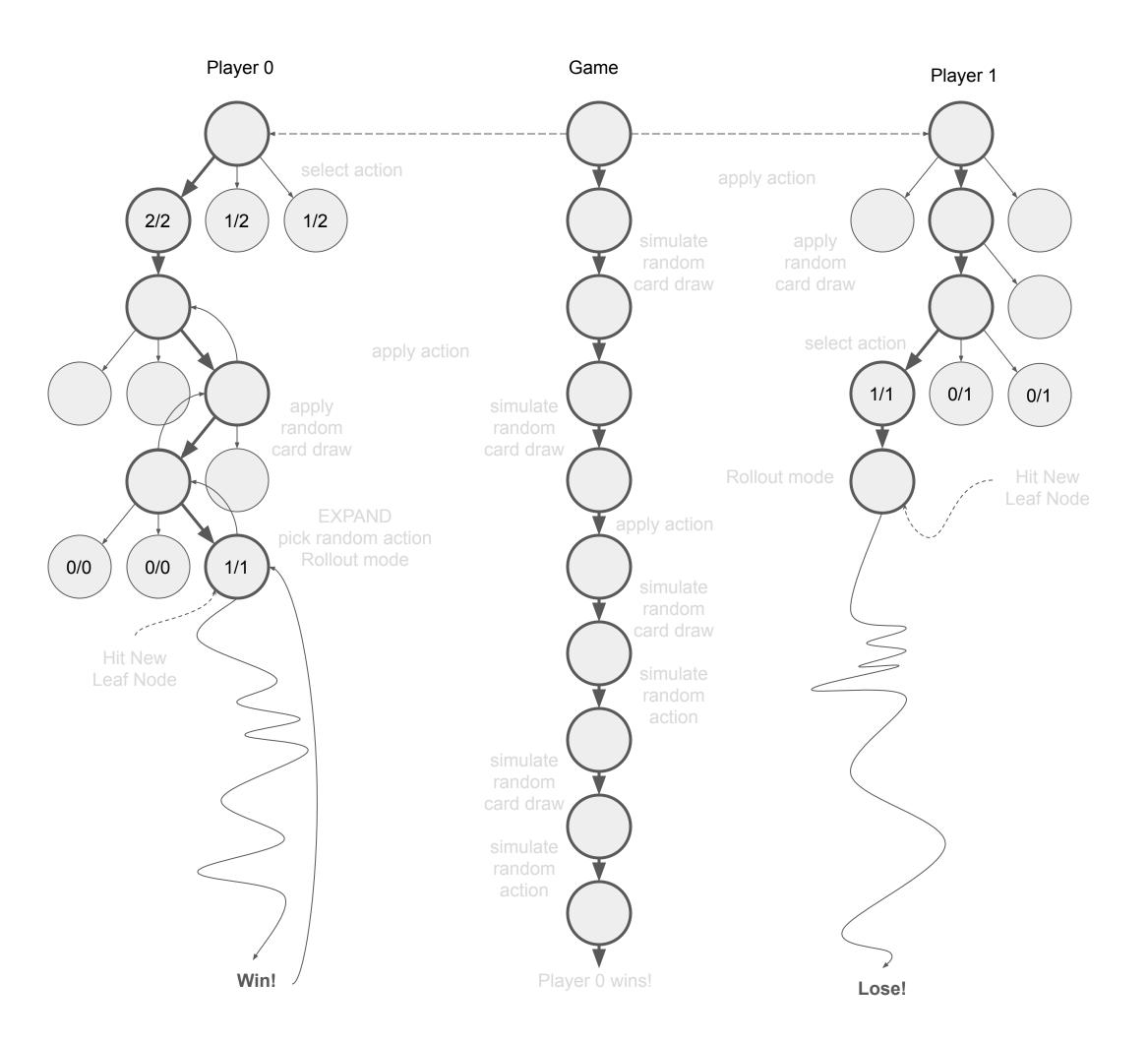
Backpropagate the win to the tree of player 0



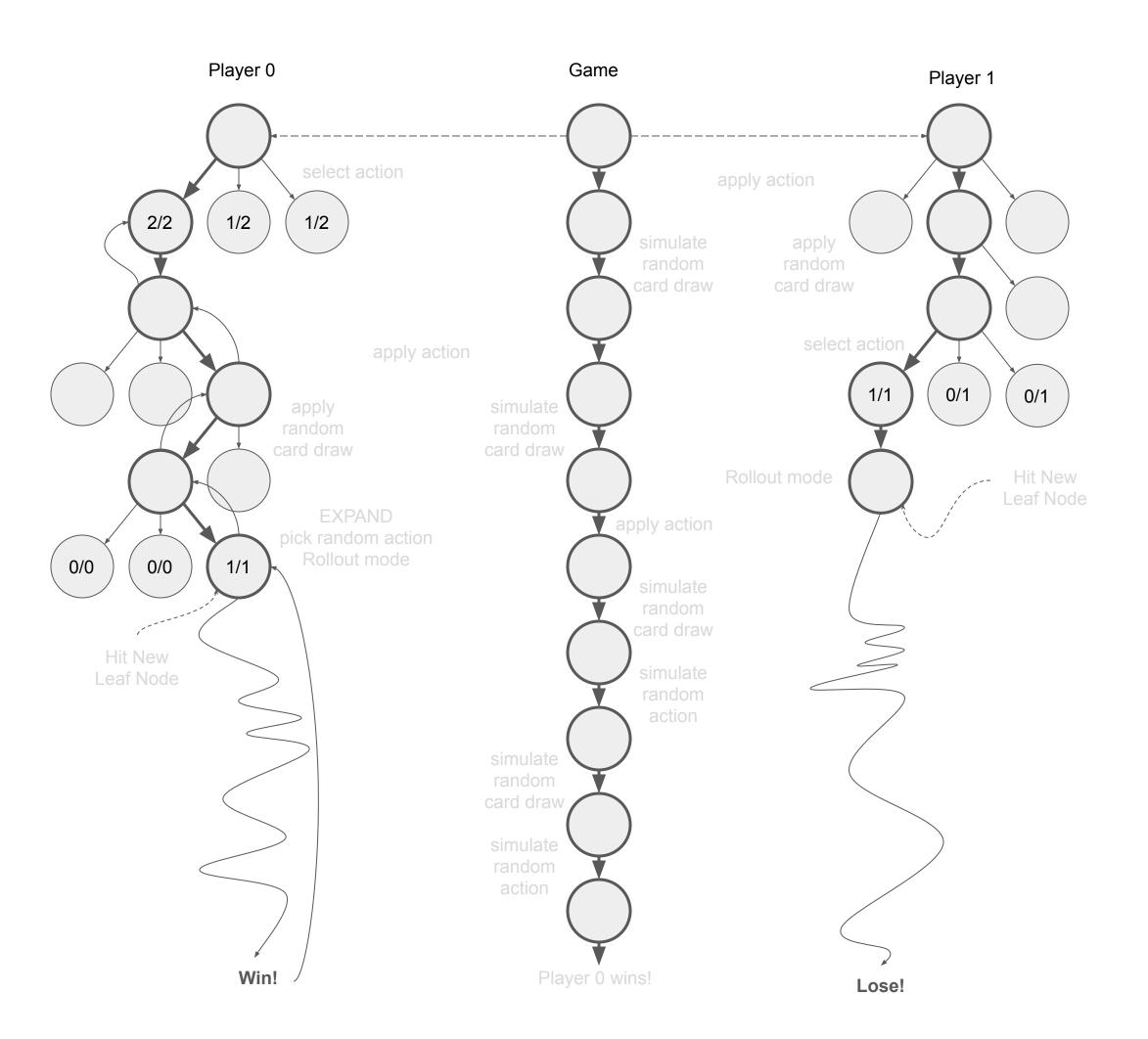
Backpropagate the win to the tree of player 0



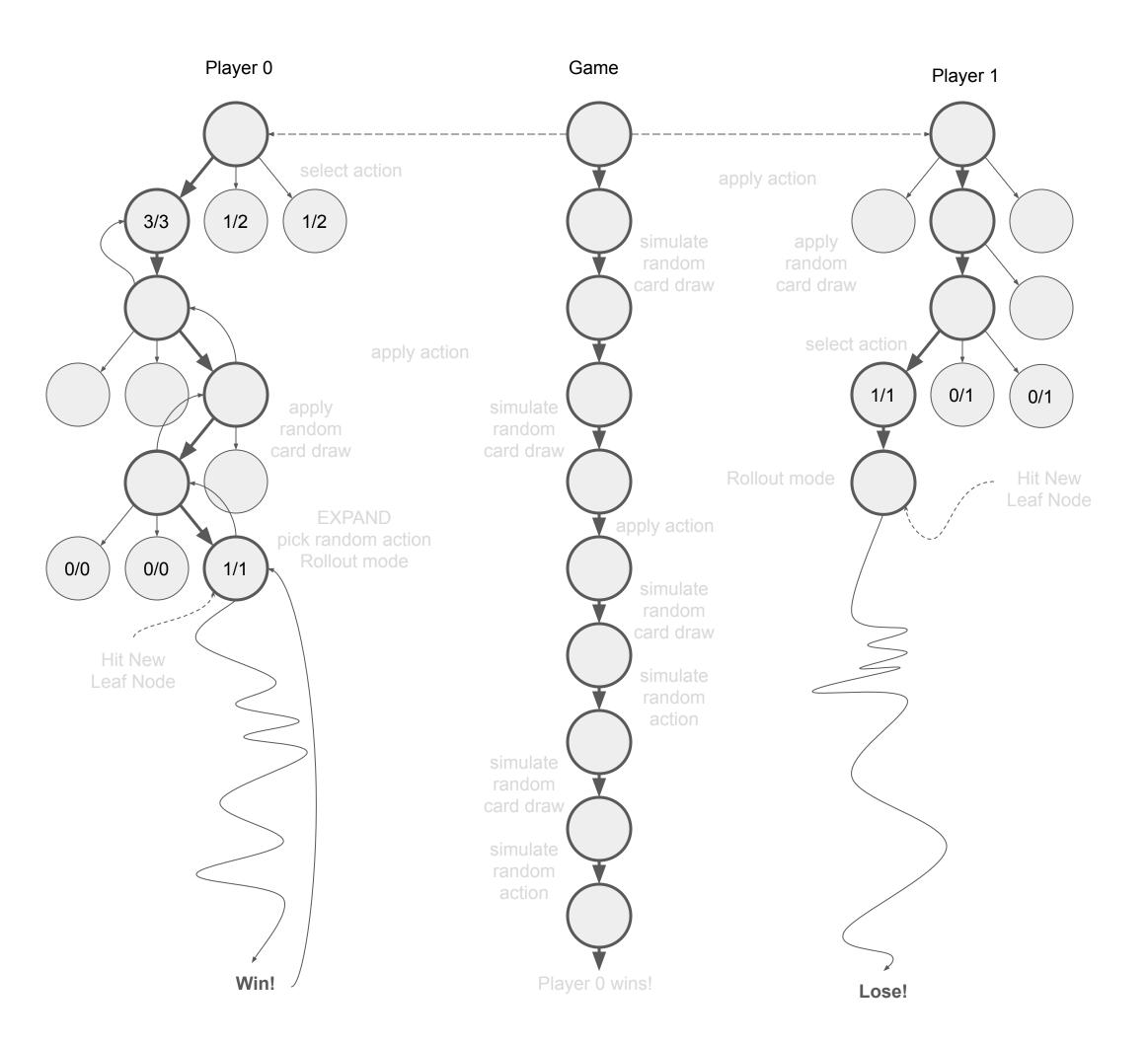
Backpropagate the win to the tree of player 0



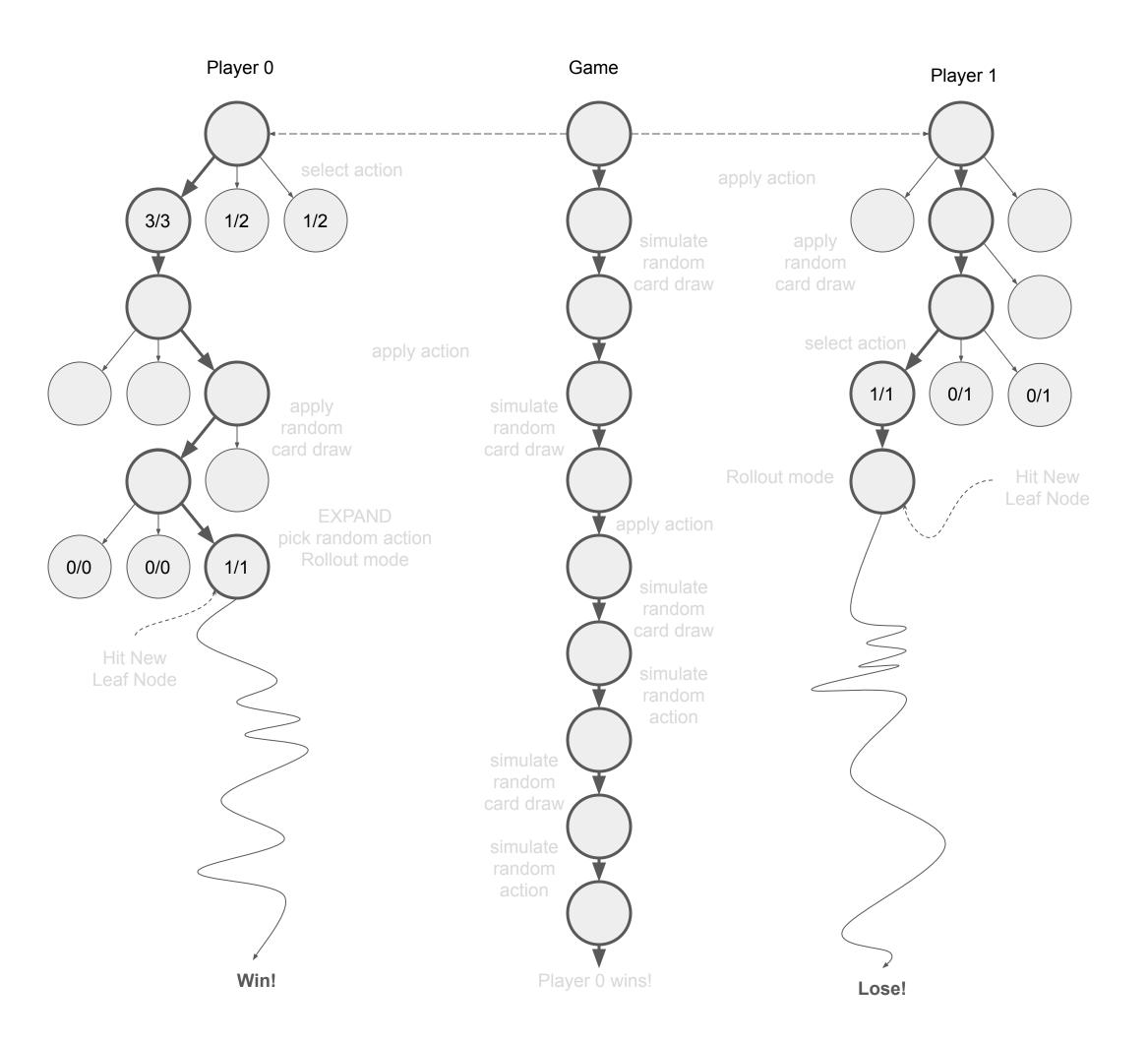
Backpropagate the win to the tree of player 0



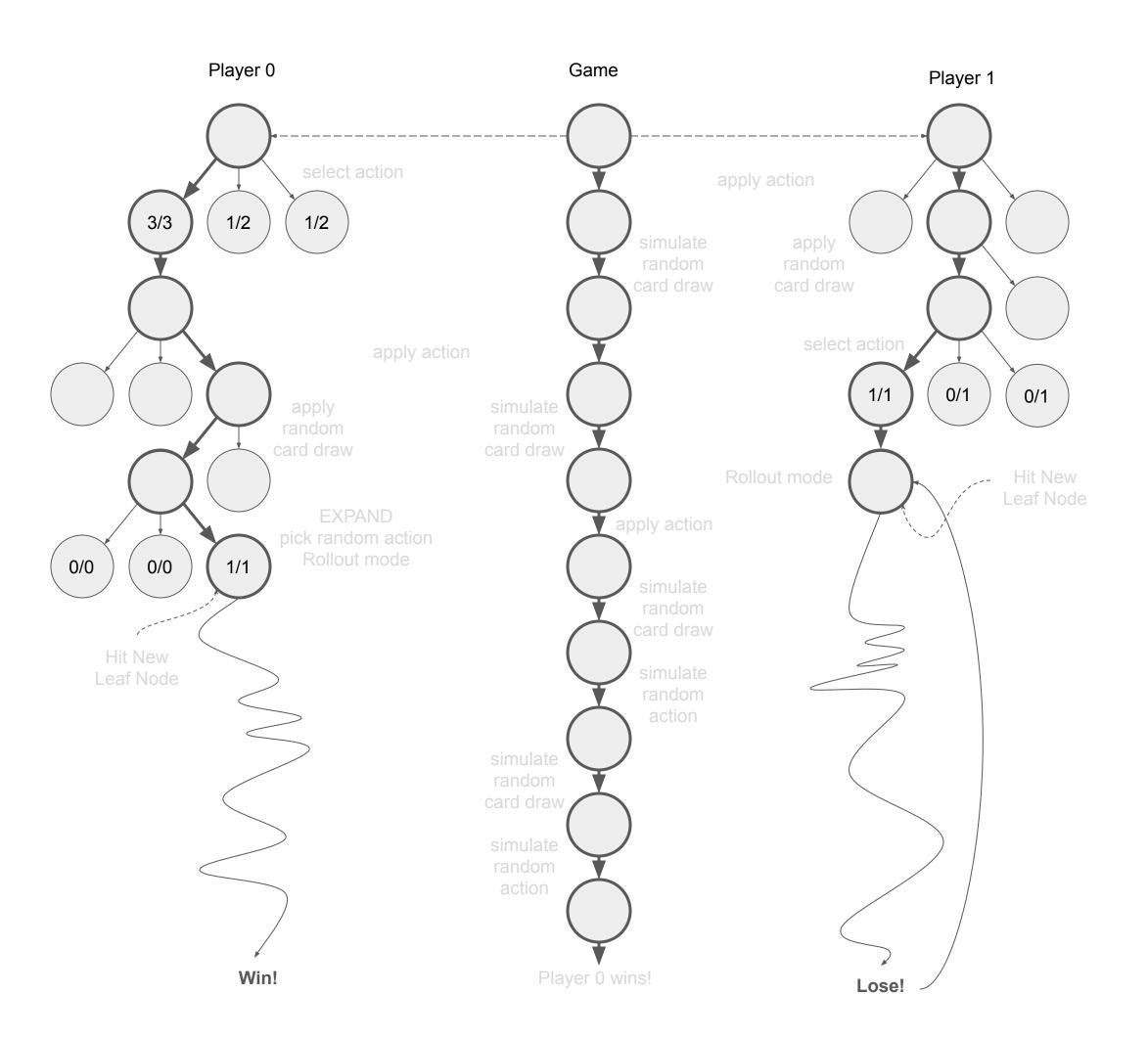
Backpropagate the win to the tree of player 0



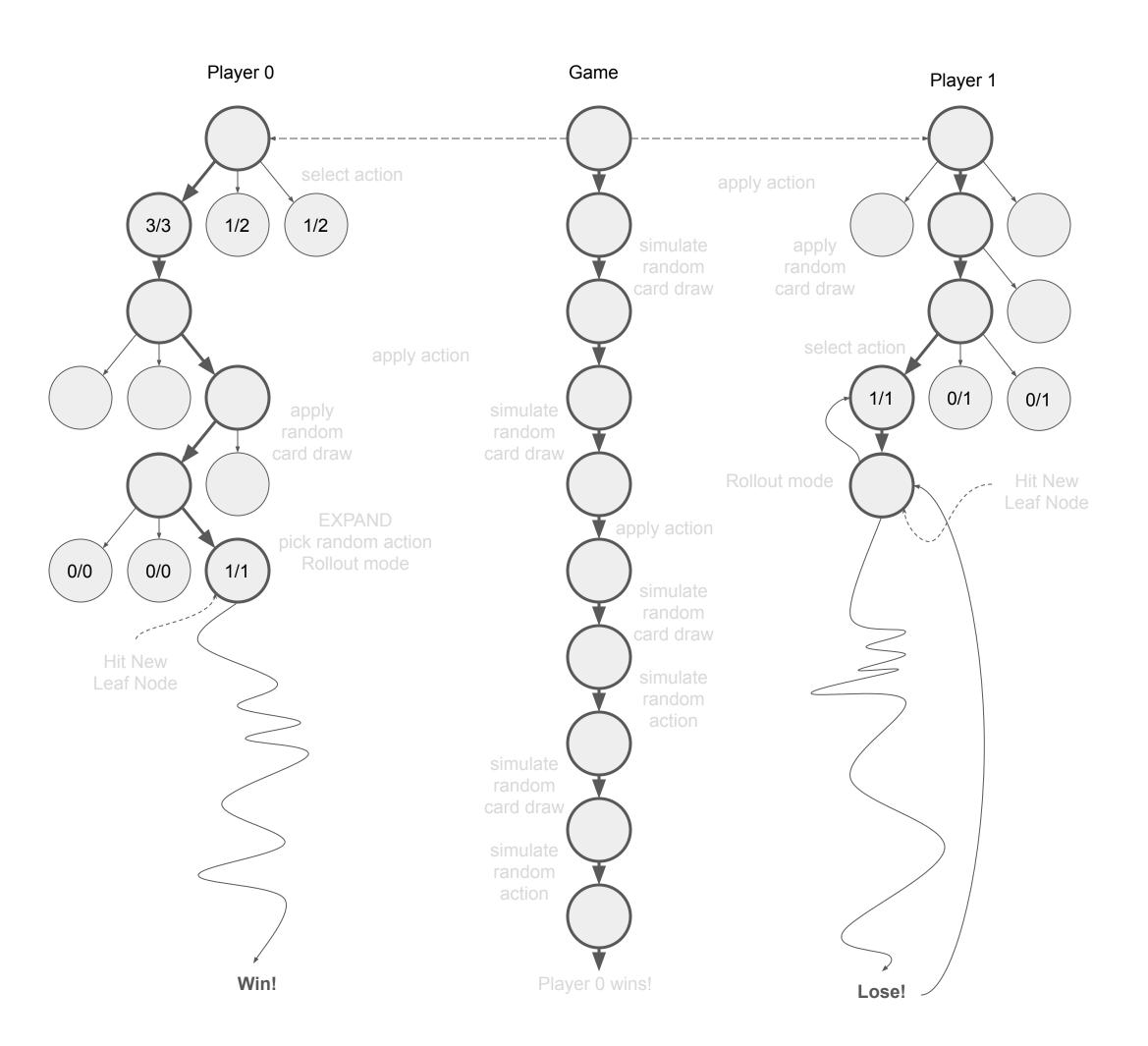
Backpropagate the win to the tree of player 0



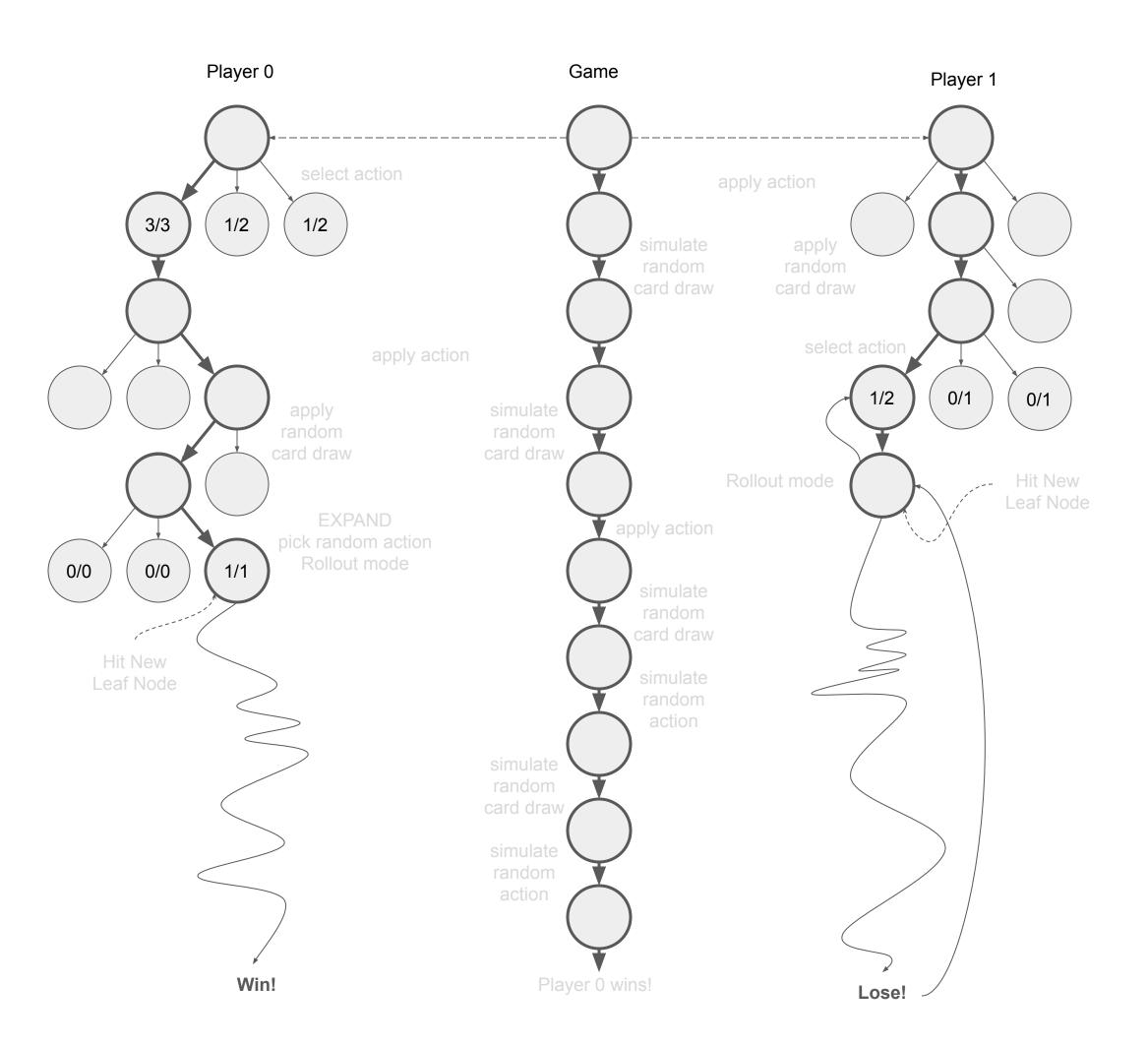
Backpropagate the loss to the tree of player 1



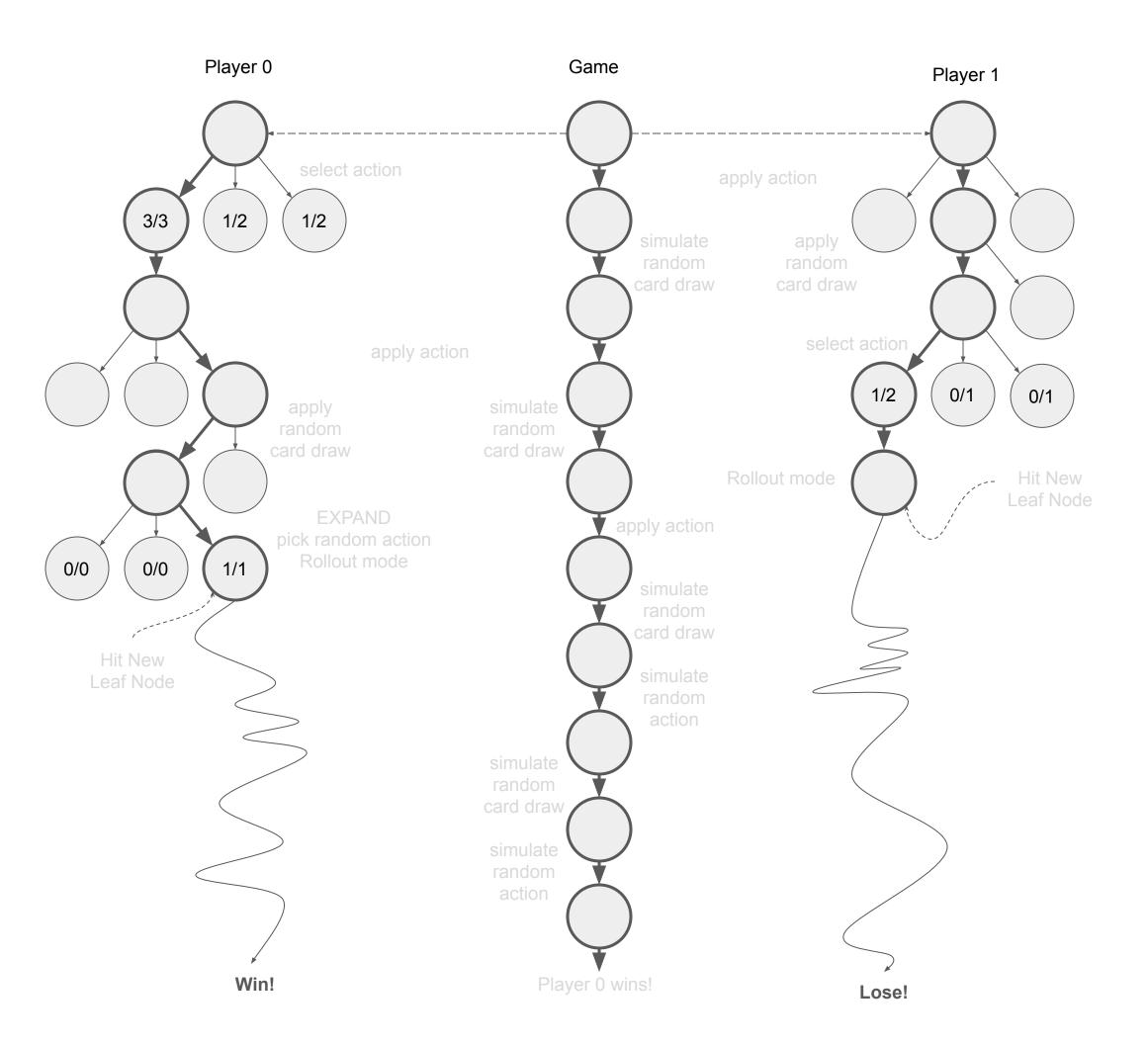
Backpropagate the loss to the tree of player 1



Backpropagate the loss to the tree of player 1



Backpropagate the loss to the tree of player 1



Repeat!