

## Experiment 1

### Data:

Player 1 (Vanilla): 100 nodes

Player 2 (Vanilla changing): 50 nodes, 100 nodes, 150 nodes, 200 nodes.

### Trial #1:

Draw: 3%

Player 1: 100 nodes (81%)

Player 2: 50 nodes (16%)

### Trial #2:

Draw: 18%

Player 1: 100 nodes (49%)

Player 2: 100 nodes (33%)

### Trial #3:

Draw: 13%

Player 1: 100 nodes (40%)

Player 2: 150 nodes (47%)

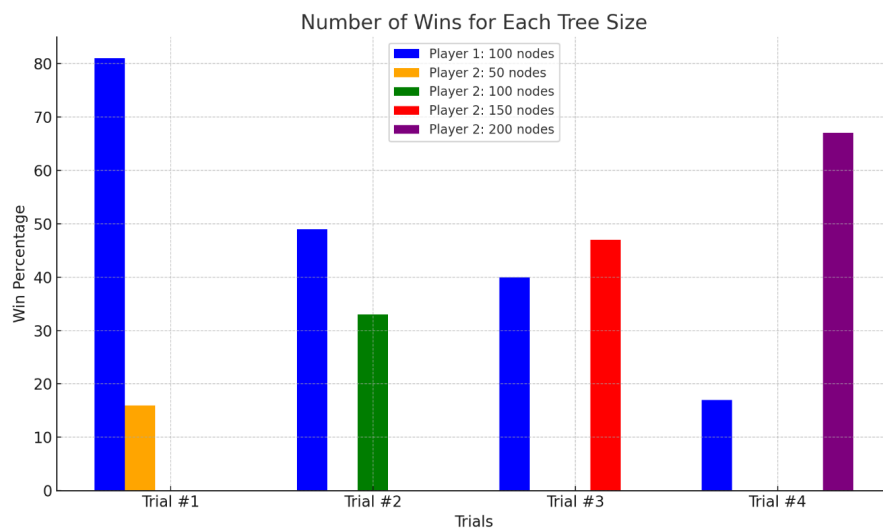
### Trial #4:

Draw: 16%

Player 1: 100 nodes (17%)

Player 2: 200 nodes (67%)

### Plot:



**Description:**

When we pair two vanilla bots with 100 nodes against each other they draw a very frequent amount of the win quantity is much more even. However as we increase the number of nodes for player 2 throughout the trails player 2's wins continue to increase. Leading us to believe that bots with a higher node count are more likely to win.