

By counting the number of nodes (excluding infinity nodes) in each level; we have:

Level 4: 1 node;

Level 3: 2 nodes;

Level 2: 3 nodes;

Level 1: 5 nodes;

Level 0: 11 nodes.

Since each level has approximately half of the number of nodes as the level below it. We can say the coin is fair with some level of confidence. To increase the level of confidence, we can insert more nodes with random values into the skip list and see if the number of nodes in each level still follow this same pattern.