

1. Store the number of times a given label appears as a graceful end. Furthermore, store the number of times a leaf takes on a given label.
2. The ratio of graceful ends to lattice points of $n-1-1$ graphs tend to infinity as n goes to infinity.
3. (More of an observation) The ratio of graceful ends over total number of permutations is not interesting (tends to zero very rapidly).
4. The length of the longest path of the tree is related to the number of graceful ends (or number of lattice points).
5. Try all possible orders of vertices and track the time required to find all graceful labelings.