## Roch@SC: Probabilistic Techniques in Mathematical Phylogenetics: Relating Combinatorial and Variational Distances Between Trees

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[n]-Tree: complete Whary tree of n=2h leafs, with leveled leafs, Two are equivalent if the distance between labols is preserved. Ising model: Every edge is ropor w/ probability 9; use to make connected components, then choose I per component uniformly & independently Z is the proces ZENJ he marginal on the leafs. The value at the node. The "swap distance" between T&T is the minimal number of depth-proxiding Swaps to get from T to T. Goal: recover T from observations