Honors Homework 8:
I think that I shall never see A HW lovely as a

        tree

CMSC 250H

Due Date: Monday April 12, 9:00AM, NO DEAD CAT

In this HW you will do for 4-trees what was done in recitation for 3-trees.

1. Define a four-tree.

2. Let \( N(T) \) and \( h(T) \) be as in recitation. State a theorem that bounds \( N(T) \) by some function of \( h(T) \).

3. Prove your theorem.