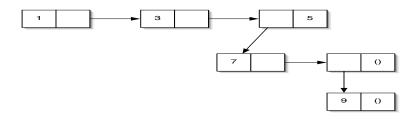
Name	Section	$T\Delta$	

1. The interpreter represents structures using dots and parentheses, as in (1 . 2) or (1 2 3). Show the way the interpreter represents this structure:



- 2. How many nodes do we expect in a balanced binary tree of height 8? Show your calculations.
- 3. How many nodes do we expect in the **bottom row** of a balanced binary tree of height 54? Show your calculations.
- 4. Assume a tree of 60 nodes is as balanced as it can be. What is the height of the tree? Show your calculations.