

C-4.20

To count the number of nodes using a recursive function, `numNodes(Node N)`, which takes a `Node` as a parameter and returns an integer, we simply do the following. To begin, `numNodes` is given the header node of the list. Regardless, `numNodes` checks to see if the parameter N is null. If so, it returns 0. Otherwise, it returns 1 plus the result of `numNodes` with input `N.getNext()`.