1. Study the slides for Chapter 10.2 on the general $n$-way tree.

2. Complete the following methods in the NTree project:

   spliceAt()
   splitUpAt()
   splitDownAt()
   inOrder()

   Hand in
   NTree.hpp
   NTreeInOrderVis.hpp
   electronically with the file names prefixed with your two-digit course ID number.

3. After completing the above methods and testing them with the unit tests, modify the unit test named unit-build.txt to build the following n-way tree.

   ![Diagram of the n-way tree]

   IMPORTANT: The first line of your unit test file must begin with the letters and numbers for the input stream of the unit test. The last letter of the stream must be the letter q to quit the main program. Your name, date, and assignment number must begin on a line after the q.

   You can have any number of intermediate trees in your printout. However, the last printout of your unit test should be:
Hand in the file

unit-build.txt

electronically with the file name prefixed with your two-digit course ID number. For example, if your two-
digit ID number is 87, hand in the file named

87unit-build.txt