## University of Waterloo CS240R Fall 2017 Tutorial 11

## Monday, December 4

## **B-Trees**

a) Insert the following keys, in the order given, into an initially empty (2, 3)-tree:

Show the tree after every insertion.

b) From the tree constructed in part (a), delete the keys in this order:

Show the tree after every removal.

c) Draw any B-tree of order 6 that contains all the integers from 1 to 100. For simplicity, use the notation [a-b] to denote a node with keys from a to b, and feel free to design your own notations for repetitive structures.