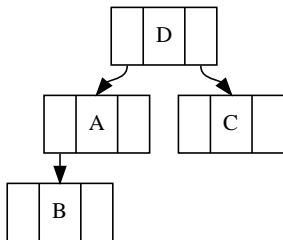# CSC263: AVL Trees

Question 1

Here is an AVL-balanced tree of height 2 that has the **minimum** number of nodes of any AVL-balanced tree of height 2. It has 4 nodes.

What is the minimum number of nodes in an AVL-balanced tree of height 3?

Question 2

Starting with an empty AVL tree, insert the following nodes in order: 3, 2, 1, 4, 5, 6.

Question 3

Starting with an empty AVL tree, what is the minimum number of insertions so that a double-rotation is required?